

February 2013

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Rothwell, Kettering

Deptford railway  
station, London

Ecobuild show preview

Surface Design Show  
review and awards

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Cover image: Velvet Underground Nightclub in Singapore, courtesy of Surface Design Awards. See page 23 for details



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## TOUR

## Modernist and deco landmarks feature strongly in first architectural tour of Brighton

Ever since John Nash built the Prince Regent his extravagant Pavilion, Brighton has attracted architects seeking to push the boundaries of their craft. This has now been recognised in a new tour of the city's landmark buildings which has been launched for 2013.

Joining the well known Pavilion, Pier

and the Regency splendour of Kemp Town are a collection of landmark twentieth century buildings. The tour begins at Saltdean on the eastern fringes of the city with the Grand Ocean building and the Saltdean Lido both designed by RWH Jones in 1938. The restored art deco Grand Ocean was for-

merly the Grand Hotel and is now converted to luxury apartments.

Also included in the new tour are lesser-known but nonetheless important buildings in the history of the town and of architectural development since the Regency heyday of Brighton. The brooding presence of Rodean School designed by JW Simpson in 1899, William Glen's 1930 Savoy Cinema, the original 18th century merchant houses of Ship Street and Wells Coates' early modernist masterpiece, Embassy Court are all included on the new tour.

The tour ends in Hove with the virtually unknown Barford Court at 157 Kingsway. An idiosyncratic Thirties villa built between 1934-7 by Robert Cromie for a northern steel tycoon.

John Carmichael, marketing manager at VisitBrighton says: "Brighton & Hove has an amazing mix of architecture within its boundaries and this new self guided tour is a fantastic aid for any visitor or resident who is looking to explore the architectural styles of the city."

Tour designed and compiled by Geoff Mead and further details of the architectural tour of Brighton can be found at [www.visitbrighton.com](http://www.visitbrighton.com).

## EVENT

## Ecobuild supports Climate Week 2013

In recognition of the fundamental role that the sustainable construction, design and built environment industry plays in building a more sustainable future, Ecobuild is backing Climate Week (4 - 10 March) and encouraging all its stakeholders to get involved in the campaign. Ecobuild will host a lively debate on 'Climate change - why we are here?' headed up by Lord de Mauley, Parliamentary Under-Secretary at the Department for Environment, Food and Rural Affairs. See page 45 for more on Ecobuild.

## London 2012 Olympic Basketball Arena hits the market

One of the most iconic buildings of the 2012 Olympic and Paralympic Games - the Basketball Arena - has been made available for sale for £2.5 million by venue owners, **Barr Construction**.

The Arena, which is being dismantled from its site at the Olympic Park in Stratford, was the largest single temporary structure ever created in Olympic history and was the third largest of all the venues at the London Games.

Barclay Chalmers, managing director of Barr Construction, said: "The Olympic Delivery Authority and LOCOG learned the lessons of previous Games and created the most sustainable, cost effective event in recent history.

"The Basketball Arena was one of the showpiece structures of the Games, but it was clear there would be no legacy use for a permanent basketball venue, hence the decision to create this temporary building.

"We see this facility being suitable for a range of different uses. Sport is obvious - it is big enough to house between 15 and 20 tennis courts, for example.

"It could also be reconfigured to become a conference, exhibition and events venue similar to the O2 in London, or a film and TV studio. Despite the temporary nature of its design, we believe it can easily be reconstructed to offer excellent service for many, many years to come."





## Mayor of London appoints Atkins to deliver key strategic hub airport role

Boris Johnson has appointed **Atkins** to play a leading role in a world-class team of experts helping develop plans for a multi runway hub airport in the south east.

Mike Pearson, UK director of airports, Atkins said: "This project is not purely about the creation of a new hub airport, it's about forming the foundations for London's future development and reaffirming the UK's position as a key international centre.

"It will fundamentally shift the debate on UK aviation once and for all, providing both a convincing and compelling case for how international air connectivity is critical to underpinning the UK economy, as well as driving wider regeneration. After helping deliver a successful London 2012 Games, Atkins' experts will now be leading the master planning, architectural design, engineering, surface access and environmental assessments for this landmark project."

Atkins, leading design, engineering and project management consultancy, will lead three of the projects' six work packages – Airport Design and Infrastructure, Surface Access and Environmental Impacts. The company will also collaborate with Zaha Hadid Architects and Pascall+Watson on some elements of the Airport Design and Infrastructure package.



## Pinewood Studios, script for 15-year expansion plan

Pinewood Studios, advised by planning and urban design consultancy **Turley Associates**, has submitted a planning application to almost double the size of the Studios at Iver Heath, South Bucks, in response to growing international demand.

The £200 million scheme will support around 8,000 UK wide jobs and has been prepared in support of government policy to grow the UK film, TV and screen based industries.

Pinewood is an iconic brand in the film industry and a world leading studio facility. It is at the centre of the West London media cluster and home to recent productions such as *Skyfall*, *Les Misérables* and *Jack Ryan*.

The scheme will provide c. 100,000 sq m of new build features including stages, studios, workshops, offices and external film set space together with improvements to access, car parking and circulation.

The scheme includes innovative proposals for fixed streetscapes, of

typical European and US locations, which could, for example, include Paris and New York.

The Pinewood Studios Development Framework (PSDF) is a long-term plan founded upon the existing Pinewood screen media hub, which includes a multitude of skills/facilities and hundreds of millions of pounds of investment.

The PSDF scheme will deliver long-term sustainable growth supporting around 8,000 full time jobs and contributing around £400 million of value to the UK economy.

Rob Lucas, CEO of Turley Associates, said: "We have worked over the last nine months with Pinewood and the advisory team to develop a sustainable scheme that responds to market demand and which is fully supported by government policy. The development will bring exceptional economic and cultural benefits which justify a grant of planning permission."



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## The French Rugby Federation (FFR) appoints Populous and Ateliers 2/3/4/ for the design of the Grand Stade

The Steering Committee of the French Rugby Federation (FFR) has retained the services of **Populous** and **Ateliers 2/3/4/** for the design of the Grand Stade FFR. After several months of discussions with three competing groups, the FFR has made its choice of designers and has issued the first computer-rendered images.

The FFR Grand Stade will be much more than a stadium; the 82,000 capacity venue will become the 'national stadium of rugby'. It will host all the French rugby home matches, and also accommodate conventions, shows and a broad range of sporting events thanks to its multi-purpose design. The retractable pitch will endow the FFR with the best quality pitch amongst all the major rugby stadiums in the world. The retractable roof will deliver a more intense atmosphere, it will ensure matches are played whatever the weather, and will create

the largest roofed entertainment venue in Europe. Four large video boards are part of the multi-purpose facilities, allowing the broadcasting of replays and extra technical information.

The stadium has been designed to contribute to writing the future of the Fédération Française de Rugby and of French rugby. Its architecture echoes a fortified town delivering both hospitality and protection, with white stone echoing the quarries in Baux de Provence. Within this protective venue, the Plazas des Bandas, the general admission arcades, the multi-level lounges, the corner suites and the presidential box make a variety of outstanding and unique spaces that are there to catalyse the fervors of the French rugby fans.

The heart of the stadium lies under the protection of tall mineral walls and large glass windows looking onto the finely cut bowl, which will create a

vibrant atmosphere. There will be between 17 to 20 events a year, including five to six games of the French national rugby team and the final of the TOP 14.

Ben Vickery, senior principal of Populous, said: "We are delighted to have been appointed by the FFR to work on this very prestigious project. The Grand Stade of the Fédération Française de Rugby will be not only the new home of French Rugby, but a cultural catalyst for the district of Essone as well as France."

Francois Clement, associate principal of Populous, commented: "The FFR Grand Stade resonates a fortified town delivering both hospitality and protection, with walls echoing the quarries in Beaux de Provence. The 82,000 capacity venue will become the 'house of French rugby' - embodying the ambition and future vision of the FFR, both in a sporting and a civic sense."

### news bytes

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**£46 million boost**  
for 132 local energy schemes...  
**Ref: 41959**

**Negative outlook** for the French construction market for the third quarter in a row...  
**Ref: 61786**

**Strong start to 2013** for New Practice, Richard Morton Architects...  
**Ref: 46886**

**Ecobuild App** announced by UBM Built Environment ...  
**Ref: 81742**

**Inventive pupils** scoop design prize at London's Design Museum...  
**Ref: 38027**

## Architectural awards launch

Entries are now invited for the **2013 European Copper in Architecture Awards 16** – a showcase for architects designing with copper and its alloys to promote their work to an international audience. The final deadline for receipt of entries is 31 May and full details are available at [copperconcept.org](http://copperconcept.org).

This biennial awards programme continues to grow in stature, not only demonstrating exemplary and innovative uses of copper in contemporary

design, but also exposing to a wide international audience the very best in European architectural projects, some of which might otherwise go unrecognised. Entries must incorporate cladding, roofing, or other architectural elements of copper or copper alloys, but judging criteria will essentially be based around the overall architectural design of the project. Any scale or type of project can be entered, from major landmark buildings to modest installations.

Architects and critics – drawn from a panel including some of the most influential designers in Europe – will judge all the entries on their architectural qualities from graphic submissions. The Awards will be presented at a dedicated event later in the year, and shortlisted and winning projects will be widely promoted to an international audience.

The Awards 16 Entry Form can be downloaded from [copperconcept.org](http://copperconcept.org).

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## COMMENT

# Recovery in Q4 masks longer-term trend

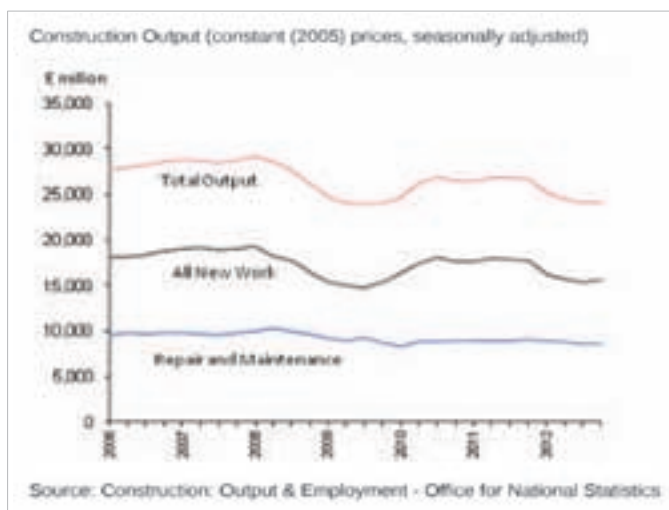
The latest Construction Trade Survey published shows that the majority of the construction industry endured a difficult final quarter of 2012, due to declining output and orders on the demand side, combined with rising costs on the supply side. Large firms, especially those working in the infrastructure sector, have reported improving conditions, but the bulk of the industry still faces a very difficult year ahead especially those further down the supply chain, who are experiencing a contraction in workload exacerbated by difficulties in late payment.

Commenting on the survey, Noble Francis, economics director at the **Construction Products Association** said: "It was good to see a rise in construction output for Q4 compared to Q3, when activity was adversely affected due to the Olympics and Paralympics. However, output remains 9.3 per cent lower than a year ago and this is reflected in the Construction Trade Survey. A minority of firms working on energy and rail projects continue to thrive as do construction product manufacturers who are able to export outside the EU. Yet, overall, the industry continues to suffer falls in work across both public and private sectors. Furthermore, outside of infrastructure, the industry is expecting that 2013 will be even more difficult, with declining orders and enquiries across the industry."

Speaking about the survey Stephen Ratcliffe, director of UKCG, said: "Business conditions remain challenging and because construction is a lagging indicator there is unlikely to be any major improvement this year. Nevertheless, there remain good opportunities in infrastructure, in the schools programme and energy sector."

"Government support in providing guarantees to kick start stalled projects is welcome, as has been the announcement of PF2. UKCG continues to work with government to see what more could be done to speed up deal flow and increase work available to the industry."

Julia Evans, chief executive of the National Federation of Builders added: "The construction industry is braced for a year in which weak demand and higher costs will create a very challenging trading environment. As the government and industry collaborate to lay out a long-term strategy for the industry, we must not lose sight of the need to maintain the current capital investment plans that will generate economic growth in the more immediate future."



Construction output (constant (2005) prices, seasonally adjusted)

Great Britain		Housing new work	Non housing new work	Housing repair and main-tenance	Non housing repair and maintenance	Total output
		£ million				
2008		18,634	53,079	17,488	22,458	111,658
2009		13,736	46,757	15,976	20,169	96,639
2010		17,140	52,273	17,031	17,843	104,288
2011	(R)	18,430	52,661	16,637	19,043	106,770
2012		16,973	45,946	15,964	18,945	97,829
2008	Q1	5,418	13,777	4,395	5,584	29,174
	Q2	4,919	13,383	4,475	5,622	28,599
	Q3	4,436	13,329	4,299	5,679	27,744
	Q4	3,861	12,590	4,318	5,372	26,141
2009	Q1	3,481	11,930	4,081	5,139	24,632
	Q2	3,349	11,674	3,963	4,994	23,979
	Q3	3,346	11,356	4,193	5,054	23,948
	Q4	3,560	11,797	3,739	4,983	24,079
2010	Q1	3,834	12,483	4,060	4,267	24,645
	Q2	4,188	13,168	4,244	4,609	26,209
	Q3	4,489	13,652	4,388	4,432	26,961
	Q4	4,629	12,970	4,339	4,535	26,473
2011	Q1	4,598	12,962	4,211	4,703	26,475
	Q2	4,634	13,313	4,150	4,719	26,817
	Q3 (R)	4,631	13,245	4,093	4,815	26,784
	Q4 (R)	4,566	13,141	4,182	4,806	26,694
2012	Q1 (R)	4,432	11,762	4,147	4,777	25,119
	Q2 (R)	4,208	11,473	4,003	4,834	24,518
	Q3 (R)	4,061	11,315	3,972	4,614	23,963
	Q4	4,252	11,395	3,842	4,720	24,210

Table source: Office for National Statistics

Table notes:

1. (R) - Revised since October 2012 publication

## news bytes

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Ref: 42933

Pick Everard appointed for £4.9 million Cuningar Loop Woodland Park...  
Ref: 29333

£24 million investment will make Glasgow a city of the future...  
Ref: 77183

Keconomy wins 2013 Rushlight Responsible Product or Service Award...  
Ref: 38968

Not your typical garage conversion – Oakvest transforms derelict space into modern London mews homes...  
Ref: 46678

# Education is key for architects to stay competitive

The Eco Technology Show 2013, 14-15 June, Brighton Centre. See [www.ecotechnologyshow.co.uk](http://www.ecotechnologyshow.co.uk) for more details



It's an interesting time to be an architect. Building regulations are changing on an almost yearly basis, driving innovative thinking as well as product and technological development. No longer are the old ways of doing things enough to rely on in a dynamic, ever-changing market that is becoming increasingly competitive. And despite the recession and the squeeze on costs, green building is becoming more mainstream.

"Environmentally conscious design and build is no longer seen as a niche area of the build and retrofit industry due to gradual popular and government acknowledgement of the issues," says Nicola Gunstone commercial director of the Eco Technology Show.

"The net effect for the industry is that it now has European and national targets for achieving higher and higher energy efficiency in new build and eco-retrofit projects."

Yet, despite growing awareness, there are still a lot of misconceptions around green homes and energy efficiency. Architects need to demystify technologies and building design for customers, as well as understand the commercial opportunities new regulations and technologies will create in the market.

The Eco Technology Show 2013 places education and networking at the heart of its two-day exhibition (14-15 June) – the Friday is for trade, the Saturday is open to the public. After a successful debut last year, which saw more than 4,000 visitors

interact with 115 exhibitors, this year's show has switched to a central Brighton venue with a host of new features.

The Communications Hub is one such innovation. This is a series of bookable meetings allowing, for example, architects to talk to suppliers about their products and services, or members of the public to ask about how they can build an energy efficient home.

Through its conference and two-day seminar programme, the Eco Technology Show gives legislative, regulatory and market context to the products and services on offer. The 2013 one-day conference is still being finalised, but confirmed topics include: the Green Deal for SMEs – Green Deal installer courses and benefits of SMEs working together; BIM: Building Information Management what you need to know; and Planning regulations in the context of energy efficiency & renewable energy, permitted development & conservation areas.

"There's a good combination of innovative products and interesting networks there," says Duncan Baker-Brown, co-founder of BBM Sustainable Design, who attended the Eco Technology Show last year.

"As an architect, it also really got me thinking about new ways of doing things — for instance, using Freegle, the recycling network, to reuse 'waste' from retrofit projects we are working on. It's a show that's full of creative invention."



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## BOOK LAUNCH

## The “What” of “What we Do” is about Simplicity, Usefulness, Elegance Ryder Architecture book launch marks 60 years in practice

As part of a series of events marking 60 years in business, Ryder Architecture launched a retrospective of the practice at a buoyant drinks party at RIBA Portland Place at the end of last week. Joined by friends and colleagues Peter Buchan, Senior Partner, reflected on past, present and future ambitions.

“To maintain consistency of output over 60 years of practice is a tough call. We have never tried to change; we have simply tried to improve the quality of our surroundings and in doing so, the quality of people’s lives.”

“The launch of this beautiful book is the first element in a whole year of events to mark our 60th birthday. We began the year on a positive note with a very productive meeting of the Ryder-led campaign to reform built environment education in the UK. Our other plans include a series of exhibitions – in Glasgow, Newcastle, London and Liverpool – combined with practice led research papers, seminars and debates.”

Written by Rutter Carroll and beautifully illustrated with a host of stunning

photographs, sharp technical drawing and evocative rough sketches, the book reviews the evolution and ethos of the Ryder practice. From its beginnings with Gordon Ryder and Peter Yates in one office in Newcastle to the present day multi-award-winning global presence, the monograph explores Ryder’s design belief in usefulness, simplicity and elegance through studying its projects – past, present and future.

Hugh Pearman, architecture and design critic says in his Foreword: “With Ryder, there is an overall expression of design clarity. Their buildings show the thinking and the working. There is a tightness and intelligence to a Ryder building, an expression of what goes on inside and out. It may be coincidence or it may be deliberate, but I do find echoes particularly of Lubetkin – from whose north eastern studio in Peterlee Ryder and Yates first sprang – in some of their recent buildings. The work in this book is encouragingly diverse but always disciplined, well controlled. This, very evidently, is a practice with principles.”



Keith Wilson, RIBA Publishing, said: “We’re delighted to share this major milestone with Ryder Architecture and help produce something which really does document their unique style, character and ethos.”

“The book draws on the rich contribution that the company has made, not only to record what its architecture achieves but also the ways it achieves it. In doing so it signposts the company’s next 60 years – its founding principles, deep understanding of how to exceed expectations, value of teamwork communication and information handling, and of shaping the future not just reacting to it.”

## Sheppard Robson remodels University of Strathclyde estate to house new Faculty of Humanities & Social Sciences

Sheppard Robson has completed a £14 million remodelling of the University of Strathclyde’s Lord Hope and Curran buildings in Glasgow city centre for the newly formed Faculty of Humanities & Social Sciences.

Forming part of the university’s new Humanities and Social Sciences Quarter, the extensive alteration works to the existing Lord Hope and Curran Buildings represent a key project in the university’s campus development plan.

Prof Anthony McGrew, Dean of the Faculty, said: “Sheppard Robson’s radical design solution to this extensive alteration project successfully supports our dynamic and re-focused campus in the heart of Glasgow. Collocating staff formerly based at Jordanhill to our city



centre campus will have a major impact in allowing our recently formed Faculty of Humanities and Social Sciences to build on existing discipline based strengths and develop cross-disciplinary themes in research, knowledge exchange and education. Our newly refurbished accommodation enhances our sense of identity by pro-

viding an innovative and inviting teaching environment for students while encouraging interdisciplinary working between staff.”

James Dick, head of Sheppard Robson’s Scottish office, said: “This project has delivered high specification office, learning and teaching accommodation, supplemented by attendant support and specialist teaching facilities. Office and teaching spaces have been designed in line with the university’s space planning policy. Having analysed the way the occupants of the buildings work on a daily basis, we have remodelled the buildings to provide a flexibly divided floor plate that can accommodate future change that is more spatially efficient.”

### news bytes

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**CIBSE announces British Land as Carbon Champion of the Year and winners of the 2013 Building Performance Awards...**  
Ref: 97091

**The next phase has been reached in the construction of the Aquatics Centre at Aberdeen Sports Village...**  
Ref: 37135

**Red Tape Challenge is removing unnecessary housing, construction and planning regulations...**  
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**Retrofitting trend for 2013 looks to ‘sustainability’ for legacy building stock...**  
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Contact Gary Ziolkowski for project requests:

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## COMMENT

## Will building performance suffer along with relaxed office-to-residential conversion planning rules?

*At the end of January, the government announced that it is considering relaxing planning rules to make it easier to turn empty offices into residential space in a bid to boost the UK housing market. While, in theory, the conversion of redundant office buildings and relaxation of planning constraints will increase the number of residential properties coming to market, Tom Cox, innovation and product manager at Saint-Gobain Isover, believes there are many issues to be taken into consideration before projects of this type become mainstream*

As you'd expect, there are a number of fundamental design differences between offices and residential housing that must be taken into consideration when looking at conversion. The 70s and 80s were a boom period for office construction and at this time, building regulations were not as stringent as they are now. Some key areas of focus for contractors taking on office-to-house conversion projects should be the thermal, fire and acoustic performance requirements, which can require significant alteration in order to be brought up to today's standards.

In recent years there has been a lot of development in improving the thermal efficiency of buildings. This has been bought about initially by the government's Community Energy Saving Programme (CESP) and, more recently, the advent of Green Deal. Thermally, offices being converted would have to be upgraded in order to make them suitable for residential use. One of the most simple and cost effective ways for contractors to meet regulations is to use an internal wall insulation (IWI) system, which works with the existing fabric of the building and has a quick installation time, keeping labour costs low.

As well as considering the thermal requirements of housing, contractors and installers tasked with office-to-house RMI work will also have to think about controlling noise transfer – both within and between dwellings – and enhancing fire measures.

The retrofitting of an acoustic measure is notoriously difficult due the vast array of potential flanking paths in existing buildings. When designing a

building for a given purpose, acoustic performance is considered throughout the design and construction process in order to control noise transference both within building cavities and through structures. However, the retrofitted application of a measure to control noise, particularly impact sound, can be difficult in conversions of this type and if done poorly, can be a continuous source of annoyance to future occupants. In fact, this can be so extreme that their health and wellbeing becomes affected. Solutions to control noise transference, both within and between dwellings, range from wall and floor insulation to specialist ductwork insulation systems.

In addition to thermal and acoustic considerations, fire requirements also need to be taken into account. In office development there is typically less escape routes than in residential developments. In order to comply with regulations, additional escape routes may need to be added, in the form of new stair wells for example. Alternatively, extensive passive fire measures will need to be installed in the form of higher performing fire partitions and fire control systems.

Office-to-house conversion may well prove to help ease the housing crisis, however it's vital that thermal, fire and acoustic standards are met and where possible exceeded. With a selection of systems and products available to facilitate the successful conversion of offices for residential use, there should be no issue bringing spaces in line with the required standards. I just hope building performance is held at the forefront of all conversions to create safe, comfortable, healthy dwellings.

enq.106



## Latest station plans unveiled

Updated plans for the new and improved **Northampton Railway Station** have been officially revealed. At twice the size of the present station, the prominent, gateway building will offer more capacity and better facilities.

Located in the Northampton Enterprise Zone, the £20 million development is set to start in Spring this year and complete in Summer 2014. It is a key part of 'Northampton Alive' – a thriving series of improvements to Northampton town centre.

Director of regeneration, West Northamptonshire Development Corporation, Chris Garden, said: "These plans are an exciting indication of what the bigger and better station will look like. Over coming weeks we will be agreeing the finer design details, while respecting the rich heritage of the site. Northampton will finally have the station it deserves."

Leader of Northampton Borough Council, Cllr David Mackintosh, said: "The new railway station will be good for residents that commute, create the right impression for visitors to our town and supports our ambitious business community and the Waterside Enterprise Zone."

[www.northamptonstation.co.uk](http://www.northamptonstation.co.uk)

## news bytes

Visit [adf-news.blogspot.co.uk](http://adf-news.blogspot.co.uk) and enter the reference number to view more information

Neil Edginton, the man who helped to transform Birmingham's skyline to be honoured at University awards ceremony...

Ref: 86370

ISG completes £38.8 million Wood Lane Studios Project, London...

Ref: 97310

New housing design standards to be unveiled...

Ref: 63357

Hate rising energy costs? Green Deal with it...

Ref: 33319

Turning grey to green – Ecobuild 2013 supports vital movement to help 'green our cities'...

Ref: 70152



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Polysafe Corona PUR, Polysafe Astral PUR, Polysafe Mosaic PUR, Polysafe Vogue Ultra PUR, Polysafe Wood FX PUR, Polysafe Wood FX Acoustix PUR, Polysafe Strata, Polysafe Standard PUR, Polysafe Hydro, Polysafe Ultima

### Homogeneous

Pearlazzo PUR, Prestige PUR, Mystique PUR, Classic Mystique PUR, 2000 PUR, XL PU, Standard XL

### Heterogeneous

Forest FX PUR, Acoustix Forest FX PUR, Acoustix Gallery PUR

### Luxury Vinyl Tile

Expona Design, Kudos, Bevel Line, Camaro Flooring Collection





## Scotland leads new residential and commercial plans

Planning applications for new residential units submitted during January 2013 kept pace with the monthly average for 2012, according to new data released by construction information provider **Planning Pipe**. There were plans for just under 40,000 new units from multi-dwelling schemes and approximately 1500 single builds or conversions during the first month of 2013 – with two of the biggest three residential schemes proposed for Scotland.

The largest single residential scheme submitted was BAE Systems plans for a village of 2500 homes north east of Glasgow supported by Cass Associates. Meanwhile Berkeley Homes and Allies and Morrison submitted an outline proposal for over 2000 flats in Woolwich, south east London. First approved as a Masterplan in 2008, the scheme comprises a series of residential buildings from 4 to 21 storeys high situated by the river Thames.

Scotland's second major residential projects going into planning in January was submitted to Fife Council. The authority received early notice from Ironside Farrer of Scotland's biggest

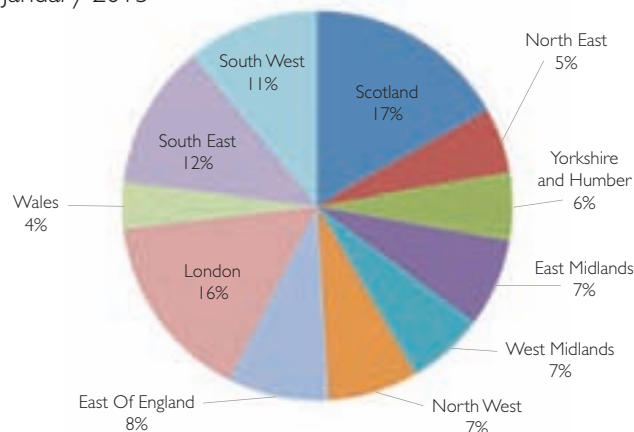
scheme with an environmental screening request for 1100 new homes – together with a new school, retail and health-care services – north of Dunfermline.

The continued rate of plans for new residential units was not confined to the largest schemes. There were over 2500 separate projects proposed across the UK for smaller sub-10 unit schemes during the month – over 80 every day. It remains to be seen whether this momentum will continue throughout the first quarter of the year.

Plans for new commercial schemes traditionally vary more widely month on month. Of the 300 significant commercial schemes in January, the largest saw plans for a six storey, 9,500 sq m office development – above the Bond Street Crossrail station in London – from PLP Architecture for clients Grosvenor Properties.

Scotland again saw two significant proposed commercial developments in January – notification of an upcoming business park on a 5 hectare site near Aberdeen Airport from Halliday Faser Munro and a mixed retail, event and hotel scheme extending the

**Planned New Residential Units**  
January 2013



existing Braehead Shopping Centre, north east of Glasgow with architects Chapman Taylor.

By Paul Graham, managing director of Planning Pipe. Planning Pipe provides free and cost-effective access to over 4,000 new UK construction projects every week – bespoke leads built to your requirements.

enq.108

## Picnics at Battersea Power Station this summer

Londoners can look forward to picnics outside Battersea Power Station this summer after plans for a new temporary park were approved on 11 February by **Wandsworth Council**. The temporary green space would be connected to Battersea Park via a new riverside walkway which would run

underneath the Grosvenor Railway Bridge. The temporary park would be completed by the summer and the site's owners hope to open it to the public as often as possible within the constraints of their construction programme. The redevelopment of the entire power station site will be completed in phases

over the next 10 years. Later in the project the temporary green space will be replaced with a permanent six acre public park and riverside walk lined with cafes, restaurant and shops. The final scheme will also include a new riverbus passenger pier, Tube station, offices and a whole new town centre.

## Jury announced for Designs of the Year 2013

The **Design Museum** announces that the Jury for the 2013 Designs of the Year, featuring contenders such as Exhibition Road, the Olympic Cauldron and The Shard, will be

Amanda Levete, Griff Rhys Jones, Nicolas Roope, Johanna Agerman Ross, Olga Polizzi, Sarah Raven and chaired by Ilse Crawford.

The winner of the prestigious award,

known as 'the Oscars of the design world', will be announced in April and the exhibition, featuring all 99 nominations, will go on display at the Design Museum on 20 March.

## news bytes

Visit [adf-news.blogspot.co.uk](http://adf-news.blogspot.co.uk) and enter the reference number to view more information

University of Cambridge approves Phase One of North West Cambridge development...  
**Ref: 95371**

3DReid designs new FBO Complex for Signature Flight Support at Luton...  
**Ref: 47480**

Planning changes to help open free schools' gates faster...  
**Ref: 11091**

Ideal Home Show 2013 to Re-launch the Blue Ribbon Award...  
**Ref: 68445**

Six months on – Olympic campaign victory for engineers!...  
**Ref: 45424**



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## PHOTOGRAPHY COMPETITION

## Launch of Architect's Eye 2013

**Architect's Eye**, a competition which celebrates and encourages photography by architects, has just been launched. The competition, organised by International Art Consultants, is now being held for the fourth time since its launch in 2007.

The competition is open to UK architects and is split into two distinct categories: Architecture and Place and Architecture and People. The former focuses solely on the aesthetics of the architecture and places it creates, while the latter explores and celebrates the interaction of people with the environments created by architects. The winner in each category will receive a weekend break for two anywhere in the EU.

This year the Architect's Eye Judging Panel is chaired by leading architect Simon Allford, Director at international studio Allford Hall Monaghan Morris. Simon is a frequent lecturer and critic in the UK and abroad and he has been Vice President of RIBA (Education), a Chair of Design Review CABE and the Architecture Association. Simon's recent projects include the Google Headquarters at Kings Cross, the Angel Building,

Chobham Academy, The Saatchi Gallery and Yellow Building.

Simon Allford says: "I believe architects are great photographers and great photography can help improve architects' work. I really enjoyed judging the last competition and I am delighted to be taking on the Chair role this year and continuing to build on the foundations laid by Jack Pringle and Alex Heath."

Alongside Allford, the prestigious judging panel will be composed of renowned architects Keith Priest (Fletcher Priest Architects), noted architectural photographers Quintin Lake and George Kavanagh, Martine Hamilton Knight (The Royal Photographic Society), Dr Irena Murray (Sir Banister Fletcher Director, British Architectural Library, RIBA) and Amanda Baillieu (BD editor-in-Chief).

The winning works will be showcased in an exhibition at the Roca London Gallery coinciding with the start of the London Festival of Architecture in July 2013. Architect's Eye and Roca join forces again following their fruitful partnership during the Architect's Eye



Photography Exhibition in 2012. Roca has come on board this year as the Venue Sponsor by providing the Zaha Hadid designed Roca London Gallery to host the competition awards and exhibition.

The competition is also sponsored by Media Partner Building Design Magazine and supported by The Royal Photographic Society.

Further information on Architect's Eye, including application form for entries, can be found on the website: [www.architectseye.co.uk](http://www.architectseye.co.uk). Closing date for entries is Tuesday 30 April.

Neil Dusheiko, Unite d'Hab (above); and Revti Halai

## news bytes

Visit [adf-news.blogspot.co.uk](http://adf-news.blogspot.co.uk) and enter the reference number to view more information

New arrival at Design Centre, Chelsea Harbour offers antique expertise...  
**Ref: 60934**

City of Glasgow College announces 'preferred bidder' for new super campus...  
**Ref: 55350**

Sustainable solutions from the insulation industry most appreciated by European architects...  
**Ref: 32385**

Next steps for £10 billion housing guarantees...  
**Ref: 60780**

## Architects take on fashion: Regent Street Windows Project 2013

Fashion and architecture are colliding as major fashion brands chose iconic architectural spaces to stage their latest collections. Topshop occupied the Tate Tanks in February for Fashion Week. This spring, architects will take over fashion windows on London's Regent Street to showcase their talents in the **RIBA Regent Street Windows Project**.

Now in its fourth year, the Regent Street Windows Project matches a diverse range of cutting edge RIBA architects with international fashion brands to create innovative and sometimes thought provoking displays, demonstrating that Architects can work at any scale, from something as small as a window to something as large as an entire building.

With the headlines reporting a

pessimistic outlook for retail on the high street, this street-wide public exhibition will demonstrate how some forward thinking brands are striking back with innovative ways to attract and excite consumers.

The installations will be on display on Regent Street from 15 April - 6 May. Brands participating in 2013 include: Topshop working with NEON, Esprit working with naganJohnson architects, Jack Spade working with Carl Turner Architects, Ferrari Store working with Gensler, Karen Millen with Mamou-Mani, and Moss Bros with AY Architects.

The project offers retailers the chance to benefit from the unique design skills of architects and to do something experimental in a controlled

three-week display, while the architects gain the opportunity to promote their skills to a wide and diverse audience with a weekly footfall of 1.25 million people along Regent Street.

Annie Walker, director of the Regent Street Association, said: "The RIBA Regent Street Project, now in its fourth year, is getting more and more recognition. Each time I look forward to seeing the designs and marvel at the result of the collaboration between the architects and the retailers; it definitely adds to the visitor experience."

A full set of concept images, showcasing the designs of the installations will be available for press use from 4 March. Photographs of the completed installations will be available from 16 April.

# cpd focus

## RESIN BASED SURFACING



*Resin Based Surfacing* is the title of the popular CPD seminar designed for Landscape Architects, Designers, Architects, Developers and Local Government provided by **Addagrip**. The seminar provides information on Resin Bound, Resin Bonded and Tree Pit surface finishes along with details of base build up specifications and SUDS. Addagrip CPD's are available nationwide and run for approximately one hour but can be tailored to suit.

01825 761333  
www.addagrip.co.uk

enq. 110

## GLASS REINFORCED PLASTIC COMPOSITE MANHOLE COVERS



**Fibre-lite**, who specialise in the design and manufacture of lightweight composite watertight access covers is delighted to announce the following RIBA certified CPD Providers Network material is now available to book as a CPD seminar: *Glass Reinforced Plastic (GRP) Composite Manhole and Trench Access Covers: A Safe, Light Alternative to Metal and Concrete and a Solution to the Metal Theft Epidemic*

01756 799773  
www.fibre-lite.com

enq. 114

## FOUR CPD SEMINARS FROM BAL



**BAL** is offering architects a comprehensive family of seminars, each giving detailed coverage of a particular aspect of tiling. *Problem solving with tiling solutions*, *Specifying tiling in heavily trafficked areas*, *Specifying tiling for leisure facilities* and *Specifying natural stone* all use real projects for illustration of challenges and solutions. There is a detailed consideration of sustainability and environmental factors, alongside thorough coverage of all relevant standards.

01782 591100  
www.bal-adhesives.com

enq. 111

## FLOOR SCREEDS - HOW TO AVOID FAILURE



**Flowcrete** has updated a popular RIBA Approved CPD, which is designed to help specifiers get the level best from flooring screeds. Entitled *Floor screeds – how to avoid failure*, the presentation outlines the different types of floor screeds and their applications, identifies areas of failure, and offers advice on the avoidance of problems. The CPD also offers recommendations for the correct specification of sand and cement based screeds.

01270 753 000  
www.flowcrete.co.uk

enq. 115

## TWO CPD SEMINARS FROM BONA



**Bona**, experts in wooden floor finishes, offer two RIBA approved seminars for architects and other specifiers. The first explains how to specify a finish for a wooden floor to achieve the required surface performance. The requirement may be for an anti-slip surface, very high durability, a natural, low sheen look, or a combination of several aesthetic or technical criteria. Bona's second seminar explains benefits of specifying adhesives as a means of wood floor installation.

01908 525 150  
www.bona.com

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## THE DESIGN OF A SYPHONIC ROOF DRAINAGE SYSTEM



**Fullflow** is a specialist in syphonic roof drainage that provides a turnkey solution, from design and manufacture through to installation and project management. Fullflow's CPD seminar *The design of a syphonic roof drainage system* will explain how you can drain the roof of a building more effectively through the use of a Fullflow syphonic rainwater management system and save money on costly underground pipework.

0114 247 3655  
www.fullflow.com

enq. 116

## PRECAST CONCRETE FLOORING TECHNOLOGY



**Creagh** offer a one hour CPD seminar that outlines the latest developments in *Precast Concrete Flooring Technology*, covering new systems available, designed to help architects and specifiers achieve Code for Sustainable Homes levels 3-6. The seminar also covers key factors to consider when specifying precast flooring and overviews the various features that precast systems offer the commercial and residential building sectors.

01480 217 454  
www.creaghconcrete.com

enq. 113

## THE ECONOMIC VALUE OF RECYCLED PRODUCTS



**Goplastic's** seminar entitled *The economic value of recycled products* concentrates particularly on the development and design of products made from recycled plastic and their hugely varied applications. Covering considerations, costs and benefits, the seminar will also deliver information on the recycled industry: what is being recycled, whole life costings and case studies. The seminar will contribute towards the attendees CPD requirements.

02920 864 095  
www.goplastic.co.uk

enq. 117



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01827 871871

[www.ultrascap.co.uk](http://www.ultrascap.co.uk)

enq. 118

### LRWA CPD SEMINAR



The LRWA (Liquid Roofing and Waterproofing Association) has announced the launch of its RIBA approved CPD, available online for specifiers, architects, and surveyors. "Continuing Professional Development is crucial for anyone working in the construction industry" commented Terry Wain, LRWA technical secretary. The CPD itself should take around 25 minutes to complete and includes information on the history of liquids and the various ways in which the LRWA aims to promote best practice within the industry.

0207 448 3859

[www.lrwa.org.uk](http://www.lrwa.org.uk)

enq. 119

### ENABLING OPEN PLAN HOMES WITH AUTOMIST



Open plan homes are popular and make good use of space, but fire safety and building control approval problems have caused many architects to avoid them. Automist from Plumis now allows many open plan layouts in flats and three storey houses to comply with building regulations without recourse to a sprinkler system, and is covered by an LABC Registered Detail. *Enabling open plan homes* with Automist explains its design, testing and the route to approval, and discusses possible layouts.

020 7871 3899

[www.plumis.co.uk](http://www.plumis.co.uk)

enq. 120

### OPEN AND SHUT CASE FOR NATURAL VENTILATION AND SUSTAINABILITY



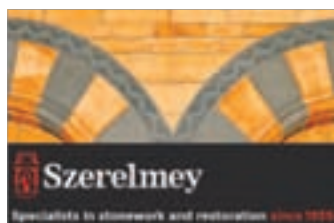
Securistyle offers three CPD presentations to advise on the latest issues and legislation. The 'Open and Shut Case for Natural Ventilation and Sustainability' covers the importance of and options for natural ventilation in communal buildings where the requirements for internal air quality are stringent and where there is a higher risk of occupants falling from an open window. It explains how this is achievable without compromising the external aesthetics.

01242 221 200

[www.securistyle.co.uk](http://www.securistyle.co.uk)

enq. 121

### CPD SEMINARS FROM SZERELMEY



*The Cleaning and Repair Of Natural Stone, Terracotta, Faience and Brickwork* - the best practice approach to cleaning and repair of buildings. Case studies highlighting traditional cleaning techniques are detailed.

*The Design of Natural Stone, Non-Load Bearing Cladding and the Failure of Cladding* focuses on selection criteria and design of natural stone with guidance given on good practice, building regulations and sustainability issues.

020 7735 9995

[www.szerelmey.com](http://www.szerelmey.com)

enq. 122

### SPECIFYING HEAT RECOVERY VENTILATION IN THE DESIGN OF HIGH CODE LEVEL & PASSIVHAUS PROPERTIES



Zehnder Comfosystems is proud to announce the launch of its RIBA Certified CPD entitled *Specifying heat recovery ventilation in the design of high code level & Passivhaus properties*. With building regulations calling for increasingly airtight homes, and fuel prices rising, effective and efficient heat recovery ventilation is vital. This hour long seminar explains heat recovery ventilation methodology and how to successfully specify it in high code level homes and Passivhaus projects.

01252 515151

[www.zehnder.co.uk](http://www.zehnder.co.uk)

enq. 123

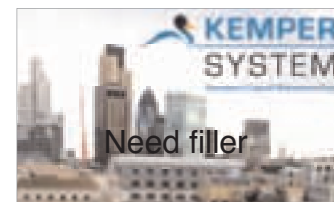
### INTELLIGENT LIVING EVENT



In a constantly shifting technology climate, tomorrow's buildings will need to be greener, more efficient, and easier to live and work in. Be a part of this revolution at the Intelligent Living event, sponsored by MechoSystems, Helvar and AMX. Hear from industry leaders as they discuss smart building technologies and how they are already being applied in the residential sector. Discover how 'smart homes' are evolving into 'smart buildings', 'smart campuses' and 'smart cities'. On 19 March at Institute of Directors, 116 Pall Mall, London, SW1Y 5ED. To attend send your details to [infoUK@mechosystems.com](mailto:infoUK@mechosystems.com) by the 8 March.

enq. 124

### SUSTAINABLE LIQUID ROOFING – THE COLD FACTS



Kemper System has a world-wide reputation for quality dependable waterproofing with proven longevity. Kemper's RIBA assessed and approved CPD seminar is a succinct 45 minute presentation of the key areas relating to cold liquid-applied waterproofing for flat roofs and other applications. Liquid waterproofing is the fastest growing sector of the roofing market and in many cases now the preferred method for both new build and refurbishment.

01925 445532

[www.kempersystem.co.uk](http://www.kempersystem.co.uk)

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## TOMORROW'S SMART:HOME

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Sponsored by the Eco Technology Show and in association with the British Homes Awards and the Building Centre, netMAGevents is delighted to announce a networking event to be held at the Building Centre, 26 Store Street, London. Join us on the evening of Thursday 28th February 2013, 18.30 - 21.30.

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## events

## AWARDS

**Greenbuild Awards**  
8 May, Manchester  
[www.greenbuildawards.co.uk](http://www.greenbuildawards.co.uk)

**OAS Development Awards**  
14 June, London  
[www.oasdevelopmentawards.co.uk](http://www.oasdevelopmentawards.co.uk)

## CHARITY

**Tomorrow's Smart: Home charity networking event**  
28 February, London  
<http://netmagevents.eventbrite.co.uk/>

## CONFERENCES &amp; SEMINARS

**Fabric First Event**  
27 February, Birmingham  
[www.fabricfirstevent.co.uk](http://www.fabricfirstevent.co.uk)

**BFE UK**  
7 May, London  
<http://buildingschools.conference-websites.co.uk/>

**Design in Mental Health Conference and Exhibition**  
14 - 15 May, Birmingham  
[www.designinmentalhealth.com](http://www.designinmentalhealth.com)

**Healthcare Schools & Secure Environments**  
2 - 3 July, Harrogate  
[www.ascentevents.co.uk](http://www.ascentevents.co.uk)

## EXHIBITIONS

**In Dialogue with the World**  
Until 10 March, Copenhagen  
[www.dac.dk/en/dac-life/](http://www.dac.dk/en/dac-life/)

**Architecture & Meaning**  
12 March, London  
[www.vam.ac.uk/whatson/](http://www.vam.ac.uk/whatson/)

**Prototyping Architecture**  
Until 20 March, London  
[www.buildingcentre.co.uk/events/](http://www.buildingcentre.co.uk/events/)

**Venice Takeaway: Ideas to Change British Architecture**  
26 February - 27 April, London  
[www.architecture.com/whatson/](http://www.architecture.com/whatson/)

**The Banality of Good: Six decades of New Towns, Architects, Money and Politics**  
25 March - 10 May, London  
[www.architecture.com/whatson/](http://www.architecture.com/whatson/)

**Chromazone: Colour in Contemporary Architecture**  
Until 19 May, London  
[www.architecture.com/whatson/](http://www.architecture.com/whatson/)

**Project Space: Ruins in Reverse**  
1 March - 24 June, London  
[www.tate.org.uk](http://www.tate.org.uk)

**Designs of the Year 2013**  
20 March - 7 July, London  
<http://designmuseum.org/exhibitions/>

## FESTIVALS

**Climate Week**  
4 - 10 March, various UK locations  
[www.climateweek.com](http://www.climateweek.com)

**EDIT by designjunction**  
8 - 14 April, Milan  
<http://thedesigntjunction.co.uk/milan/>

**Clerkenwell Design Week**  
21 - 23 May, London  
[www.clerkenwelldesignweek.com](http://www.clerkenwelldesignweek.com)

**London Design Festival**  
14 - 22 September, Birmingham  
[www.londondesignfestival.com](http://www.londondesignfestival.com)

## SHORT COURSE

**Cast Concrete Surfaces + Formed Concrete Finishes**  
4 April, London  
[www.buildingcentre.co.uk/events/](http://www.buildingcentre.co.uk/events/)

## TALKS, LECTURES &amp; DEBATES

**Research and Innovation in Brickwork**  
5 March, London  
[www.buildingcentre.co.uk/events/](http://www.buildingcentre.co.uk/events/)

**Energy Conversations – Will Fracking End Fretting?**  
13 March, London  
[www.buildingcentre.co.uk/events/](http://www.buildingcentre.co.uk/events/)

**Dream Builders: Daniel Libeskind, 12 March Norman Foster, 9 April, London**  
[www.architecture.com/whatson/](http://www.architecture.com/whatson/)

## TOURS

**Eco Open Houses**  
15 - 16, 22 - 23 June, Brighton  
[www.ecoopenhouses.org](http://www.ecoopenhouses.org)

**Open House London**  
21 - 22 September, London  
[www.londonopenhouse.org](http://www.londonopenhouse.org)

## TRADE SHOWS

**The UK Concrete Show**  
27 - 28 February, Birmingham  
[www.concreteshow.co.uk](http://www.concreteshow.co.uk)

**Ecobuild**  
5 - 7 March, London  
[www.ecobuild.co.uk](http://www.ecobuild.co.uk)

**Care Show Bournemouth**  
19 - 20 March, Bournemouth  
[www.careshow.co.uk/bournemouth](http://www.careshow.co.uk/bournemouth)

**SustainabilityLive!/NEMEX**  
16 - 18 April, Birmingham  
[www.sustainabilitylive.com](http://www.sustainabilitylive.com)

**Greenbuild Expo**  
8 - 9 May, Manchester  
[www.greenbuildexpo.co.uk](http://www.greenbuildexpo.co.uk)

**The ARC Show**  
19 - 21 May, London  
[www.thearcshow.com](http://www.thearcshow.com)

**kbb LDN**  
19 - 21 May, London  
[www.kbb.co.uk](http://www.kbb.co.uk)

**INTERIORS LDN**  
19 - 21 May, London  
[www.interiorsuk.com](http://www.interiorsuk.com)

**DX**  
19 - 21 May, London  
<http://dx-london.com/>

**Eco Technology Show**  
14 - 15 June, Brighton  
[www.ecotechnologyshow.co.uk](http://www.ecotechnologyshow.co.uk)

**The Energy Event**  
10 - 11 September, Birmingham  
[www.theenergyevent.com](http://www.theenergyevent.com)

**Energy Efficiency & Renewables Awards**  
12 September, Coventry  
<http://energyefficiencyexhibitions.co.uk/awards/>

**100% Design**  
18 - 21 September, London  
[www.100percentdesign.co.uk](http://www.100percentdesign.co.uk)

**Timber Expo**  
24 - 25 September, Coventry  
[www.timber-expo.co.uk](http://www.timber-expo.co.uk)

**Energy Efficiency Exhibitions, incorporating Renewables Roadshow**  
10 September, Exeter  
12 September, Coventry  
17 September, Newcastle  
19 September, Edinburgh  
24 September, Surrey  
26 September, Manchester  
[www.energyefficiencyexhibitions.co.uk](http://www.energyefficiencyexhibitions.co.uk)  
[www.renewables-roadshow.co.uk](http://www.renewables-roadshow.co.uk)

## WORKSHOP

**Explore and Draw: Park Life**  
9 March, London  
[www.architecture.com/whatson/](http://www.architecture.com/whatson/)





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## Visitor numbers soar 15% at Surface Design Show

Exhibitors at Surface Design Show (5-7 February) were delighted as thousands of architects and interior designers flowed into the only UK event to focus exclusively on innovative and exciting interior and exterior surface solutions.

Explains show director, Christopher Newton, "There has been a real buzz on every day of the Show. At 4119, visitor numbers were up by close to 15 per cent on last year, and it's the highest number of visitors we've seen since Montgomery Exhibitions took over the show."

Surface Design Show hosted a series of presentations, debates and CPD Seminars across the three days of the show filling the two purpose built theatres. More than

750 professional visitors attended the Preview Evening many joining in the FX Live Debate entitled Material People. Architects and designers presenting 20 of their favourite slides, each one for no more than 20 seconds, was the highlight of the second day's PechaKucha Evening.

The first ever Surface Design Awards, hosted by Annabelle Filer of SCIN with a keynote address by Eric Parry of Eric Parry Architects, were presented in front of a packed audience. The Velvet Underground Nightclub in Singapore won the Supreme Award, beating an international field of surface projects.

The roles and purchasing power of the visitors was also a key consideration

and feedback from the exhibitors indicates that the majority of people enquiring at the stands had real projects for which they were looking for innovative surface designs.

Summing up the show, Christopher Newton said: "The responses we have been receiving are incredibly positive and our exhibitors were genuinely delighted with the results they achieved. We couldn't have asked for a better match of exciting and unusual surface designs with architects and interior designers looking for materials for real-world projects. We are looking forward to building even more on this success for Surface Design Show 2014."



## And the winners are...

The first ever Surface Design Award winners were presented with their striking recycled glass trophies at a vibrant ceremony on 7 February. The Awards recognised outstanding examples of progressive design and innovative surfaces in projects both in the UK and internationally.

Hosted by Annabelle Filer from SCIN, the ceremony got off to a flying start with a stirring keynote address by Eric Parry, world renowned architect, Royal Academician and Principal at Eric Parry Architects. Nine winners were announced with two other projects receiving highly commended accolades. The Supreme Award, sponsored by Interface, went to the Velvet Underground Nightclub in Singapore designed by Phillips Connor. (pictured on the right and one the cover).

The winners are:

In the Commercial category, sponsored by Burlington Stone, 50 Great Sutton Street by Archer Architects won the Exterior Surface award.

Winner of the Commercial Interior Surface award, Phillips Connor's Velvet Underground Nightclub in Singapore also went on to win the Supreme Award.

The Housing category was sponsored by Trend GB and the Interior Surface

award went to Mill House by Matthew Chamberlain and Oliver Wood.

The Housing Exterior Surface was scooped by Hudson Architect's Feering Bury Farm Barn, a Grade II listed timber framed aisled barn.

The Temporary Structure category, sponsored by de magazine, attracted a particularly innovative and unusual range of entries. The KREOD Pavilion by Chun Qing Li was finally chosen as the winner.

The Korean Film Archive, London, by JAIA Architects won the Public Building Interior Surface award with its stunning use of light, sound and colour to create a visually individual but flexible space.

The winner of the Public Building Exterior Surface category was Southend Pier Culture Centre. The design "Sculpted by Wind and Wave" was created by Scandinavian practice White arkitektur in partnership with UK based architects Sprunt and structural engineers Price & Myers.

Sponsored by Porcelanosa, the Retail category's Interior Surface award went to Stratford City by Simon Cochrane.

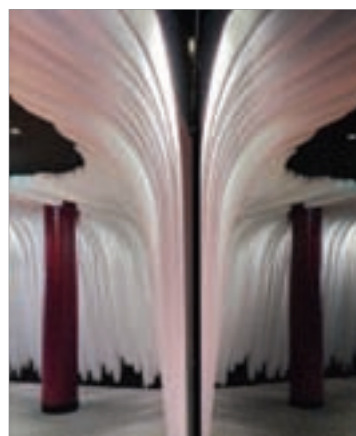
In the Retail Exterior Surface category, the winner was Princes Square in Glasgow by Timorous Beasties.

Christopher Newton, Director of Surface Design Show said, "We were very

excited by the range and quality of the projects entered for these inaugural awards. The judges had a very hard time in picking those projects that had that something extra in style or innovation or inspiration that edged them onto the winners' podium."

Highly commended projects were Paul McAnearney Architects' Tortoise Enclosure (Housing Exterior Surface) and Techno Naturology: The Velcro Chain by Elaine Ng Yan Ling (Temporary Structure).

For more information on the winning projects, go to the Architects Datafile news blog [adf-news.blogspot.co.uk](http://adf-news.blogspot.co.uk) and search Ref: 88223



**Velvet Underground Nightclub**

A layered, detailed, interwoven scheme of contemporary and contrasting surface designs was applied in the refurbishment of the style-setting nightclub. Particularly striking were the 300 elbow fins which lined the 'boomerang' corridor, connecting the 'Dance' and 'Lounge' aspects of the club

# New media, same rules



How social media, combined with some good old-fashioned principles of customer service, can give your business the edge. By Patrick John

**W**hat do you think when you hear the words 'customer service'? Do you feel confident that, if something doesn't go to plan occasionally, your customers will have a positive experience?

The consequences for not keeping customers happy can be severe. According to Ovum\*, UK companies lose an estimated £15.3 billion annually as a direct result of poor customer service. The good news is, there are some new tricks emerging that you can use to make sure your business not only survives but thrives in this tough economic climate.

## Rise of the 'social' service

Unquestionably, social media and m-commerce are on the rise. But much like driving on a motorway for the first time, these new business technologies can seem fast, intimidating and packed with more experienced people who are better at it than you.

However, if you start off steady, get used to the speed of things and keep your wits about you, social media can give you a huge advantage in business.

It's growing as a means for customer service resolution too. At present, the majority of us still resolve our issues by more traditional means like making a phone call or sending an email. But a growing number, especially in the 18-24 year old age range, expect to use Facebook and Twitter to contact businesses when they need additional help. And of course, they expect a prompt response.

So it's not a threat. The fundamental principles of customer service that helped grow your business can help it evolve and succeed in the

world of social media too.

One of the main advantages is that it gives you the opportunity to talk 'here and now' to your customers and ensure they know how their issue is being resolved, every step of the way. The size of your company is a distinct advantage, making you more nimble and able to offer the swift, personalised service customers value.

**23%**  
**WANT TO USE  
FACEBOOK  
MORE**



**19%**  
**WANT  
TO USE  
TWITTER  
MORE**



**10M**  
**ACTIVE TWITTER  
USERS (UK)**



## Customer service: the low-down

Your customers want you to provide an instant service that deals with any issue, with the minimum of fuss. The way they're contacting you might be changing – how many letters of complaint do you receive in the post these days? But as this month's Perspective series report published by Vodafone UK\*\* found, certain principles still apply. The report revealed some simple steps that add up to good customer service:

- 1** Respond as quickly as possible and try to minimise the effort the customer needs to put in.
- 2** If a customer isn't going to be speaking to you personally, make sure the person dealing with them knows the answers and can make decisions quickly.
- 3** Avoid passing customers from pillar to post.
- 4** If there's a problem, get it sorted and make sure they're satisfied with the result.

Sources: \*Ovum, The Cost of Poor Customer Service: The Economic Impact of the Customer Experience, 2009. \*\* Have a nice day! Customer service beyond today. The Perspective series. Circle research in partnership with Vodafone UK, 2013. All statistics used in graphics are from the Perspective series report, Vodafone UK, 2013.





## Make customer service work for you

Follow some golden rules and you'll be well placed to attract new customers and protect the ones you already have.

- Don't neglect the basics. Make sure you have the right phone, email and customer contact services in place. Most importantly, make sure they always work. Stay in touch with new technology that will help keep you ahead of the game.
- Be a 'listening' business. One of the main benefits of social media is that it's an open way of communicating. Keep an eye on what's being said about your own and similar businesses on Twitter and you'll be in a good position to move swiftly and resolve issues before they've even happened.
- Use social media to bring value to your business. In monitoring and joining conversations, you can access new ideas that come from your own customers – and all without having to hire a consultant!

**80%**  
SPEND MORE WITH  
COMPANIES OFFERING  
GOOD CUSTOMER  
SERVICE



## Stay one step ahead of your competitors

Being contactable out of the office is one of the best and easiest ways you can respond quickly to customer queries. Mobile service plans like Vodafone's Red Business let you talk and text as much as you want in the UK and even download documents on the move at a predictable, low monthly cost. Plus a landline number on your mobile means you won't miss calls to any home or office phone when you're out and about. So you

can deliver a better service and get on with your business at the same time.

**42%**  
PREFER CUSTOMER  
SERVICE  
VIA EMAIL



**46%**  
PREFER  
TELEPHONE



## Small businesses thinking big

Keeping ahead of the game is exactly what small business Think Drinks did. The Somerset firm beat its bigger competitors and secured a deal with a large wholesaler, thanks in part to its quick response times.

Making sure they responded immediately to calls even when in the field has contributed to their growth of more than 20 per cent and Think Drinks now competes nationally, even though they only have seven employees.



Join the conversation  
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perspective](http://yourbetterbusiness.co.uk/perspective)



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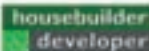
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# editor's focus

## Millboard Decking

Decking is a popular and effective way to create open, organic-feeling outdoor spaces. But wood has so many drawbacks as a material: it needs regular ongoing maintenance, it gets slippery when wet and it's prone to rotting, fading and staining. Millboard is completely different; it's a 100 per cent wood-free composite decking board and has none of the problems of traditional timber or even conventional wood/plastic (WPC) decking. Millboard is made from polyurethane resin, sustainable minerals and fibres, plus a resilient Lastane® coating.

enq. 130



## Gainsborough Specialist Bathing

Gainsborough Specialist Bathing has launched the new Glide 200 ceiling track system to complement its existing assistive bath range. This new patient transfer system is designed to assist carers, enhance the moving and handling experience and deliver holistic solutions. The Glide 200 delivers safety with peace of mind with a number of intelligently designed features, including on-board diagnostics. Exceptionally versatile, with a safe working load of 200kg (31 stone) and a wide selection of track components, the Glide 200 is the patient transfer solution for the modern care environment.

enq. 131



## Loft Centre Products

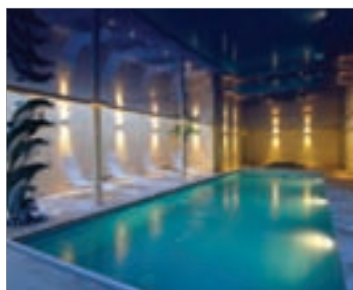
So – the building is designed beautifully. But how to specify the access ladders to ceilings, mezzanines, roofs and lofts? Relax – there is a one stop resource to help. As niche suppliers for over 20 years, Loft Centre Products knows the business inside out and has unique relationships with manufacturers worldwide. The company understands the special requirements of schools, hospitals and other public buildings for discreet, secure, fire rated access solutions. Spacesaver stairs, kit spiral staircases and electric ladders for domestic use are also a speciality.

enq. 132

## Aqua Platinum Projects

Aqua Platinum Projects specialise in the design and delivery of luxury leisure areas in the home, including specialist basement construction and swimming pool consultancy. The company comprises of a focused team of designers, consultants and contractors with a wealth of knowledge and experience. Offering a complete design and build service, Aqua Platinum provides a turnkey solution that includes all areas of the building process, from the initial design and planning stage to adding the finishing touches. Whether it is an indoor, outdoor, hydrotherapy or commercial swimming pool, Aqua Platinum can offer support specific to requirements.

enq. 135



## Lindab

Seamline from Lindab is a high performance, sustainable standing seam roofing system that offers an impressively low carbon footprint, minimal thermal movement, resistance to corrosion, is virtually maintenance free and long lasting, and at the end of its serviceable life, can be fully recycled. A choice of 15 high build (CFC Free) polyester colours, supported with a Lindab 15 year warranty, allows Seamline to be confidently specified for use on many types of building. An Aluzinc version of Seamline is also available to provide a stunning silver shimmering effect roof.

enq. 133

## Flamewave

In simple terms, an open convector fire from Flamewave Fires is a box within a box. Your logs or coal deliver that radiant glow and open fire look we all love, with the gentle boost of convected warmth – naturally and silently, no fans and no fuss. The end result is a fire that is twice as efficient as most open fires, in a range of sizes and styles, made in Kent with a lifetime guarantee, and can even be made to measure.

enq. 134

*Continued on page 60...*



2013 SUNDAY TIMES BRITISH HOMES AWARDS

## Best of British

The British Homes Awards have been pivotal in providing a catalyst for change in the way we design and construct our homes and in the process recognise, endorse and showcase exemplars of best practice

### The Barratt Green House

The entries for the Awards' Home for the Future design competition in 2007 demonstrated that zero carbon housing is not only achievable but can also be aspirational.

Voted the competition winner, the Gaunt Francis Architects' designed Green House was constructed by Barratt Developments on the BRE Innovation Park and officially opened by Caroline Flint MP as the first stamp

duty exempt Code Level 6 home from a major housebuilder with the potential for mass production.

As a showcase for new technology, new systems and materials a significant legacy can be anticipated for the Barratt Green House.

### AIMC4

Gaining leverage from the experience obtained in building the Barratt Green House, the TSB committed to a groundbreaking £6.4 million programme to build world-class energy-efficient homes that achieve Code Level 4 without using renewable energy technologies.

This unique project – entitled 'AIMC4', which won the award for Best low or zero carbon initiative at the Housebuilder Awards 2012 – takes a 'fabric-first' approach to the construction of the new homes, with the aim of achieving a 44 per cent reduction in carbon emissions. Working in partnership with H+H, BRE and Oxford Brookes University, leading homebuilders Barratt Developments, Crest Nicholson and Stewart Milne are now evaluating three different construction types – one timber, one masonry and a third, hybrid, option – each capable of longer-term volume delivery.

### Tomorrow's Townhouse: Santiago

The 2011 design competition challenged architects to create the 21st century's answer to the classical Regency and Georgian terraced townhouse- incorporating environmental technologies to attain Code Level 4 with interiors that allow occupants to maintain a 21st century lifestyle as they grow older.

RIBA President Angela Brady announced Santiago as the winning



design at the presentation of the 2011 British Homes Awards and it was exhibited as one of three Show Houses at the 2012 Ideal Home Show, the UK's largest consumer event, pointing the way to how our future homes will be designed and built. It will stand on BRE's Innovation Park as an exemplar of best practice.

### Tomorrow's Smart:Home: S,M,L Home

Building on this successful legacy and with the support of Britain's most read quality Sunday newspaper, the Sunday Times, the 2012 British Homes Awards challenged architects to design integrated, inter-operable solutions





that demonstrate the application of digital monitoring and control systems in the home.

From a shortlist of six exemplary schemes the readers of The Sunday Times voted the S,M,L Home as the winning design. This will now be displayed as the unique Show House exhibit at Grand Designs Live (at both London ExCel and at Birmingham) and at The Ideal Home Show Scotland, presenting tomorrow's technologies and future home systems.

#### Britain's Future Home

The recently published *'The Future Homes Commission: Building the Homes and Communities Britain needs'* recommended that government must ensure that its review of local housing standards sets minimum national standards for space, storage, noise insulation and natural light. It emphasised that these standards are essential for

residents' quality of life and should be incorporated into Building Regulations so that they apply to all housing, of all tenures, across the UK.

It also recommended 'that in the future, the layout of homes should reflect the growing need for flexibility and adaptability. The RIBA should mount a design competition for a flexible home that meets consumer needs and can be replicated at scale.'

So the focus of the 2013 design competition will be 'Britain's Future Home' and it is planned that the winning design, as voted by readers of The Sunday Times, will be built at either the 2014 Ideal Home Show or Grand Designs Live.



Tomorrow's Smart:Home: S,M,L Home

The design brief can be found at [www.britishhomesawards.com/designbrief.asp](http://www.britishhomesawards.com/designbrief.asp) and [www.architecture.com/competitions](http://www.architecture.com/competitions) from March 11th

## TOMORROW'S SMART:HOME

### Charity Networking Event



In aid of the  
Architects Benevolent Society



Sponsored by the Eco Technology Show and in association with the British Homes Awards and the Building Centre, netMAGevents is delighted to announce a networking event to be held at the Building Centre, 26 Store Street, London on the evening of Thursday 28th February 2013, 18.30 - 21.30. The evening will give you an opportunity to network and view a gallery display showcasing the six shortlisted schemes from the 2012 Sunday Times British Homes Awards design competition for Tomorrow's Smart:Home. You are invited to join the organisers of the Awards, meet the architects behind the successful designs and network with other building professionals. The proceeds from the evening will be donated to the Architects Benevolent Society. Please note that this is a networking event only; an opportunity to socialise over drinks and canapés (included in the price of the ticket) and there will be no seminars or speakers.

Join us on Thursday 28 February 2013  
at The Building Centre, 18.30 - 21.30

For further details, please contact  
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# A clear view of history

Deptford railway station contains two of the most historically significant industrial buildings in London. Yet, as Ray Philpott reveals, this remarkable architectural heritage remained hidden until the station was dramatically transformed into an urban travel portal fit for the 21st century



Deptford Station and its proposed piazza as seen after the next phase of regeneration is completed, with pre-Victorian railway arches revealed in all their glory. 3D CGI graphic



Deptford station has undergone a phoenix-like rebirth that has been widely welcomed by residents and rail passengers.

A patchwork jumble of buildings from varying eras has been replaced by a brightly lit, steel and glass railway portal – it is the centre piece of long-envisioned plans by the London Borough of Lewisham to regenerate Deptford High Street and its environs.

The high-profile, £7 million 'beacon' project has given a real lift to this docklands district and the High Street in particular. Once a thriving area, Deptford went through steady economic decline during the 20th century as its docks became run down and industry in the area contracted.

The station, which has been through many changes in its 167-year operational history, has always been a barometer of Deptford's fortunes. After its last facelift in 1926, it slowly faded into a rather shabby, functional building, while its grounds – grim and rather hidden behind the High Street – became a magnet for drug dealers and anti-social activity.

Now, with the construction hoardings finally removed last month, the station area has been fully opened out to the High Street. When the next phase of planned regeneration is completed, this clean-lined contemporary piece of transport architecture will be the eye-catching focal point of a piazza with cafes, restaurants and shops linking the station to the High Street.

Jointly funded by the Lewisham Council, Network Rail's National Station Improvement Programme, with contributions from the Greater London Authority, the Railway Heritage Trust and others, the station opened for business last October – managed by Southeastern Railway.

Cllr Alan Smith, Lewisham Council's Cabinet Member for Regeneration, is pleased with the result. He said: "The new railway station is a key element of our regeneration of Deptford and creates an excellent first impression for people visiting this increasingly attractive part of the borough."

The icing on the cake though, is that this clever design showcases two railway buildings of national importance that, until now, were practically lost from view.

#### Buried treasure

Many people do not realise Deptford Station is actually the birthplace of railway travel in London. Opened for business in February 1836, it's the capital's oldest passenger-only station.

Its platforms lie on one of the original sections of a 3.45 miles long, Grade II listed viaduct that carried trains along the city's first passenger railway between Greenwich and London Bridge. This pre-Victorian engineering marvel – still working infrastructure today – is indisputably the oldest piece of railway architecture in London. Building was begun in 1834 with the Deptford section completed during 1835.

Running off the side of the station is a historic Grade II listed carriage ramp, the oldest in the capital. Largely built on

*Continued on page 33...*



The main station entrance showing the internal lift to the London-bound platform inside a restored carriage ramp arch



## Changing t(r)ack to optimise accessibility

Paddington Station is continuing its tradition of being at the hub of developments with the installation of a state-of-the-art accessible toilet. The new Changing Places toilet, alongside Platform 12 towards the new taxi deck, was opened with a new parent and child changing room/disabled toilet ahead of the 2012 Olympic Games. It was supplied and installed by **Total Hygiene**, one of the UK's leading disabled toileting and washroom solutions providers, and sponsor of the Changing Places campaign for enhanced accessible toilets. The new facilities, funded by the Department for Transport, are part of Network Rail's (who own and manage Paddington Station) commitment to optimising accessibility. The new facilities are in line with the Department's code of practice for accessible station design, which advises that station toilets should not just be accessible to people in wheelchairs, but those who cannot bend, with limited strength, balance and/or vision, but, in addition, there should be a Changing Places toilet.

enq.136



## Schlüter products going underground

Tile installations at many of the capital's Tube stations are "Underground, overground, problem free" after products from **Schlüter-Systems** were installed there. Products from Schlüter were specified as part of a £5billion investment by Transport for London to upgrade more than 50 stations, meaning the famous colourful London Underground map has steadily been turning a shade of orange. This work has included the installation of substrate preparation products such as Schlüter®-DITRA matting, movement joints from the Schlüter®-DILEX range, Schlüter®-TREP stair-nosing profiles and installation of products in the Schlüter®-RONDEC, and Schlüter®-QUADEC, Schlüter®-SCHIENE and Schlüter®-ECK ranges which create not just a decorative finish but also a highly durable one. Schlüter-Systems' range of tile trim profiles are designed to protect exposed tile edges for wall corners, skirtings and floors.

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*'Dawson Horrell rose to the occasion and delivered a solution: a virtually transparent building revealing the historical gems in all their glory'*

arches, it projects out almost at right angles from the side of the station then turns towards the High Street which it originally joined at street level. The ramp is historically important as track was laid along its length when it was built. Many railway historians believe it was used in the earliest days of the railway for moving early locomotives to and from the elevated railway lines.

#### Clear thinking

While aware of the history, the project's key sponsors, Lewisham Council and Network Rail, wanted a station that was fit for 21st century rail travel – safe, well-lit, welcoming and step-free. As part of the Deptford Urban Design and Development Framework, Lewisham wanted the station to retain the integrity of the two listed heritage structures. This required restoration to their former glory and made highly visible to the public eye from inside and outside the building.

A tall order, but Chelsea-based architects Dawson Horrell rose to the occasion and delivered a solution: a virtually transparent building revealing the historical gems in all their glory.

While the concept and design seem elegantly simple, for Dawson Horrell making them reality was anything but straightforward, as the project's lead architect Nigel Horrell explained: "Getting any railway station designed and built is rather like pushing a heavy truck up a hill – hard and slow. There are many complex technical, planning, logistical, safety and bureaucratic challenges to overcome."

And Nigel knows what he's talking about. He and fellow director Susan Dawson have a strong pedigree in railway architecture. As directors with Terry Farrell & Partners, between them they worked on Crossrail's Farringdon East ticket hall, the Thameslink project and the new development over Charing Cross station. Subsequently Nigel Horrell worked on the Jubilee Line Extension with Roland Paoletti before setting up Dawson Horrell. The practice's projects include refurbishing Norwich's historic Thorpe railway station and new

elements for Ipswich station. They designed four new stations for the London Overground network's East London Line section, with a fifth at Chelsea called Imperial Wharf. They were also responsible for the Stratford Eastern Egress Station at the Olympic Village.

Deptford's new building began life back in 2003 when London-based architects Brown & Pletts ran a study on for Lewisham Council, leading to an initial concept for the station. Tony Meadows Associates carried out the early design development, gaining Network Rail agreement for it. From 2007 the project was taken forward by Dawson Horrell, working with lead contractor VolkerFitzPatrick. Dawson Horrell incorporated vital platform canopies into the design, gained planning approval from Lewisham Council and carried out the detail and construction design for the project.

#### Groundwork

Before planning permission could be granted, let alone any demolition or building work take place, a lot of basic groundwork had to be covered.

"We needed to carry a contamination study and ongoing soil tests because the arches and surrounding grounds had been used industrially since the station's beginning," explained Nigel. "An archaeological survey was also conducted in what will be the piazza area but, surprisingly, discovered little of interest. A structural survey was also required for the arches, platforms and the bridge over the High Street on which the platforms partly rest."

"Old arches are sometimes used as roosts by bats, so we brought in an expert to investigate. Bats were absent, but he did discover some bat droppings. On that basis alone we had to create a station bat roost and converted a redundant electricity sub-station at platform level for the purpose! Disappointingly, no bats have made it their home yet."

With planning approved, the run down and largely disused older Victorian station buildings above the arches, two old

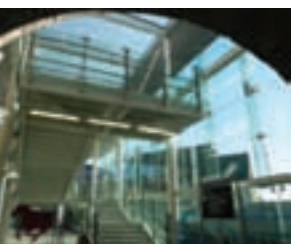
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The new platform canopies extend across the bridge over Deptford High Street (main image); the canopy structures as seen from platform level (above)



An exposed original 1830s arch under restoration (above); structural shot showing glass cladding on steel frame structure (below); and the interior stairway as seen from the lift area (bottom)



wooden platform canopies and a 1926 entrance building and stairs were demolished. This exposed three more of the station's original arches, unseen in their natural state for nearly a century.

As Nigel explained: "The platform-level and entrance buildings were a mixture of modifications and rebuilds from various dates, but none of the 1830's original. Sadly they were in a poor state and had been messed about so were deemed of little architectural or historical merit.

"The arches revealed by the demolition are original 1830s structure, though they may have been slightly added to in very first modification in 1842.

"A key part of the job involved restoring these, the other arches in the viaduct and two of those at the station end of the ramp that were decayed and damaged in places, although both structures were fundamentally sound."

He added: "On the heritage issue we had to keep a lot of people happy at every stage, including Lewisham Council's Conservation Team, Network Rail, The Railway Heritage Trust and English Heritage. New, high-quality brick work and mortar was required in places, which had to be 'aged' by staining it – an interesting project as the originals are themselves a patchwork quilt of colours. This work was carried out by two specialist firms with expertise in restoring heritage masonry."

## Deptford station history fact box

- London's first ever scheduled passenger-only railway service ran on 8 February, 1836, from Deptford to Spa Road station in Bermondsey (closed).\*
- The railway planned to use the viaduct arches for housing. Two 'show homes' built at Deptford failed and the concept scrapped.
- Documentation from the London & Greenwich Railway Board indicates the historic ramp was completed in 1835.\*
- Plans to take private horse-drawn carriages up the ramp for onward movement by rail were never carried out.\*
- Major alterations to the station and its related buildings were made in 1842, 1868, the 1880s and 1926.

\* Information from London's First Railway, by R.H.G. Thomas

## Transformation

In stark contrast, the new station is a naturally ventilated steel framed building, clad with 22mm-thick, toughened architectural glass. It's located at the junction of the ramp and viaduct, further away from the High Street than the original station entrance and buildings. The structure is supported on steel piles driven down to varying depths, depending on proximity to the listed buildings' and their foundations.

Daylight floods down into the main station entrance via a single span of inflatable, clear plastic (ETFE) roof, some six metres across. "This material was used in Heathrow's Terminal 5. No plate glass can span this far without support – the plastic roof has a 60-year life span and self-cleaning properties to reduce maintenance. The building's artificial lighting comprises long-life bulbs housed in a mixture of downlighters and, for effect, uplighters."

At ground level the ticket office with vandal resistant windows, staff facility rooms and a disabled toilet are located inside one of the original viaduct arches.

The lifts and staircases have been intelligently designed yet practically placed to avoid blocking views of the historic structures. To reach trains leaving London (to Greenwich and beyond), passengers walk from the station entrance through





*'The new station is a naturally ventilated steel framed building, clad with 22mm-thick, toughened architectural glass'*

one of the well-lit listed viaduct arches and up to the platform via an open, brightly lit staircase with a DDA compliant lift inside for step-free access.

The London-bound platform is also accessed through transparent staircase but the lift is separate, rising inside one of the listed ramp's archways, piercing the top. "This is one of the few places where the new station actually makes physical contact with the listed structures, something we tried to avoid wherever possible," explained Nigel.

"The building had to be designed to deter crime and people's fear of it. That's why it's brightly lit and the large areas of glass it features actually serve a dual role by making activity inside highly visible. Furthermore, people using the lifts and stairs can be clearly seen from the ticket office," said Nigel.

#### Platform for change

Dawson Horrell Architects introduced a completely new feature not originally included in the concept – platform canopies. While existing platforms were kept, the wooden canopies over them deemed not fit for purpose. Lewisham Council wanted canopies, feeling people would be far too exposed on the elevated platforms that stretch across the rail bridge over the High Street.

They created a cantilevered, butterfly cross-sectioned design with central columns, slightly longer than the old ones and made from aluminium-clad steel that was prefabricated off site.

"In my opinion the canopies were the most complicated part of the whole thing. They have to contain cabling, lighting, PA system, drainage and utilities. Of course we were not allowed to attach anything to the historic fabric, so a lot went through the centre of columns – hence the butterfly shape.

*Continued overleaf..*



A renovated original 1830s arch acts as a link between the station's two platforms (main photo); the pre-fabricated structure of the new canopies is revealed during on-site construction (left)

**Client:** London Borough of Lewisham

**Architect:** Dawson Horrell Architects

**Main Contractor:** VolkerFitzpatrick

**Structural Engineer:** Nadia Molenstra for Arup (design development) and Atkins (detail design)

**Platform canopy fabrication:** Alloy Fabweld

**Steelwork:** Britcon

**Glass:** Alloy Fabweld

**Heritage brickwork restoration:** TBC

**EFTE roof:** Novum Structures

**Bricklaying, replacement and pointing:** Dax Brickwork Contractors

**Brickwork cleaning:** BR Holland & Sons

**Brickwork waterproofing:** VolkerLaser

The new Deptford Station (main photo); and its now demolished former entrance and buildings (right)



“In certain parts we could only put columns where there had been columns already, but even locating them was complex as the platform goes over three types of support structure: solid earth, the tops of arches and steel beams. The bottom of each column also rests on differing materials – concrete pads and beams, steel plates and even 1830s steel bridge beams – except they weren’t where the old drawings said they were!”

On top of this, any canopy construction on-site meant

closing the railway line – with a ‘possession’ – and working only at night or weekends. Closures have to be applied for a year in advance and, as Nigel puts it: “The whole canopy building programme was structured round possession dates – if you miss one for any reason, perhaps through an unrelated project delay, you’ve got problem. You have to keep your project on target.”

The pain was worthwhile though, as Dawson Horrell’s canopy design has caught the attention of Network Rail which wants to use the design on new-builds and refurbishments on its stations elsewhere.

During construction Dawson Horrell visited the site weekly to ensure that things were going smoothly and that quality was being maintained. “Quality checking is essential for a project that combines important infrastructure and heritage conservation. I think we succeeded in keeping standards high.”

He added: “When the next phase of the development is approved, the piazza is created and the historic ramp fully restored as a pedestrian walkway, the station will be at the heart of leisure and business activity in an improving area.

“As things stand right now, the new station is already delivering a better travelling experience for rail passengers, it’s enhanced the High Street area and reclaimed important national heritage for people to see. I take great pleasure in that.”





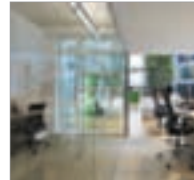
## Levolux makes tracks in Calgary



Following almost 30 years of planning, Calgary recently opened its new Light Rail Transit (LRT) route serving its south-west communities with six new stations, featuring state-of-the-art, energy efficient components including a **Levolux** solar shading solution. As a leading provider of Solar Shading solutions, Levolux was invited to develop bespoke solutions for six buildings, comprising its Infiniti® Fin System and Aerofoil Fins, formed from extruded aluminium components. In total, Levolux supplied 227 aerofoil-shaped Fins, applied against vertical, inclined and curved elevations. The Fins, measuring 300mm or 400mm in width, provide effective passive solar control to glazed openings in ticket halls and platform enclosures.

enq.140

## Rail HQ gets on the right track with Planet



**Planet Partitioning**, one of the the UK's largest independently owned partitioning specialists, working in collaboration with BAM construction and GMW Architects has completed a bespoke refurbishment of all the internal glazing for the Network Rail headquarters in Milton Keynes (The Quadrant:MK). The Scope of works stretched across four buildings in The

Quadrant:MK, which spans over 4,000,000 sq ft, is the latest in innovate design bringing together teams to improve rail systems across the nation. Products used included Planets Advanced Frameless Glazing, single and double glazed configurations, as well as Planet's hinged frameless single glazed doors.

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## Ancon invests in responsive web technology



Structural fixing specialist **Ancon** has redeveloped its popular website to make it fully accessible to the growing number of mobile users now accessing the site via Smartphone, iPad, netbook and similar devices. The new site is designed to recognise a particular

device and automatically resize and alter the typography, and shift to different page layouts, to make it easy to read and navigate at the particular screen size and definition involved. Ancon's web users are guaranteed the same high quality experience and content availability every time they visit, whether at work on a desktop, at home on an iPad or on-site via their mobile phone.

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# Families put experimental homes to the test

Two houses in Northamptonshire that have been specially designed to be carbon-neutral will soon be inhabited for the first time. The families will monitor the performance of the buildings, but what exactly will they find? Jess Unwin reports

**T**hey say the proof of the pudding is in the eating – and that's what will happen this month [February] when a family moves into one of two houses in Rothwell, Kettering which are part of a European-wide experiment to produce homes that cut carbon emissions, lower energy bills and improve their occupants' sense of well-being.

The two CarbonLight Homes represent the UK contribution to the VELUX Group Model Home 2020 project that has also seen specially constructed buildings in Denmark, Germany, Austria and France.

In England, two semi-detached houses have been developed by a strategic partnership including VELUX, HTA Architects, Kettering Borough Council, Willmott Dixon and the North Northants Development Company.

The open-plan homes use systems management technology – combined with natural daylight and ventilation – to minimise energy consumption, produce a healthy indoor climate and achieve a 70 per cent on-site reduction in carbon emissions. (A further 30 per cent carbon has been offset by energy improvements to existing local properties.) All this has helped clinch a British Homes Award for the project.

Paul Hicks, design manager at VELUX, says: "We wanted to look at the typical family home so we built two semi-detached buildings, one three bedrooms, the other four. And rather than go for a zero carbon approach we wanted to go for something a little more practical, something to try and influence volume housebuilders and decision-makers, so we went



### Top new housing projects in planning

**Village of 2500 homes in Renfrewshire (£350m-£385m)**  
Outline plans submitted by Cass Associates on behalf of BAE Systems for a mixed use development north east of Glasgow.

**2032 Flats in Woolwich (£155m-170m)**  
Outline plans for a multi storey flat development on the banks of the Thames submitted by Berkeley Homes with architects Allies and Morrison proposing over 200 units.

**1085 Homes in North Dunfermline (£100m-£110m)**  
Environmental screening opinion submitted to Fife Council by Ironside Farrar on behalf of I&H Brown for 1085 residential units, new school, retail and healthcare services on a 34 hectare site north of Dunfermline.

**904 Homes on the Isle of Wight (£70m-£80m)**  
Outline plans have been submitted for the largest ever housing scheme on the Isle of Wight from Pennyfeathers Property Company Ltd supported by Hepworths.

**850 Homes in Essex (£80m-£90m)**  
Scoping opinion submitted by Barratt in advance of outline plans for a school, health centre and community buildings serving 850 new homes in Great Dunmow, north of Chelmsford.

[www.planningpipe.co.uk](http://www.planningpipe.co.uk)



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for a carbon-neutral approach.”

Rory Bergin, head of sustainability and innovation at HTA, stresses that the project is also about meeting the needs of people: “We think the project is interesting because too many changes in building standards have been technically orientated. It’s been very much the industry imposing a view on consumers rather than consumers being in any way involved in the discussion.”

That’s why feedback from families testing out the properties will be so important. HTA will monitor the performance of the homes for a 15-month period with the results fed back to the industry. But what exactly will the families be testing?

Constructed to be airtight and therefore reduce heat loss, beam and block is used for good insulation under the house. A steel framework is built directly onto stub columns to give maximum flexibility in design and help produce the signature long, sloping roof. Lightweight SIP roof panels provide further insulation.

The buildings have been laid out east-west. This is partly down to the site, but it also allows for even levels of light throughout the day. On the cooler east side triple glazing is installed, while it is double glazing on the west.

When you visit the buildings you quickly appreciate the ground floor is bigger than the first floor, which is in turn bigger than the second floor – producing a triangular shape that means lots of light from above. Good indoor light is a top priority: a minimum average daylight factor of 5 per cent has been achieved throughout – three times greater than the Code for Sustainable Homes requires. This is done with an average of 25 per cent glazing-to-floor-area ratio throughout, plus the shape of the building means plenty of roof windows, which collect up to 40 per cent more light than their vertical counterparts.



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Rory adds: “In terms of architecture, the daylight targets were the biggest challenge. It was something that was new to us – we haven’t done that before or since.

“Daylight allows us to connect to the world outside and the seasons and times of the day – our ability to relax and operate depends on good-quality light. I don’t think anyone’s happy living or working in an environment without good daylight.”

Of course, windows are also part of the all-year natural ventilation strategy. Triple-height atriums around the stairs allow for stack and cross ventilation, while internal and external screening help to control solar gain. In winter, natural ventilation works alongside a mechanical ventilation system that recycles heat from the kitchen and bathrooms into the living areas.

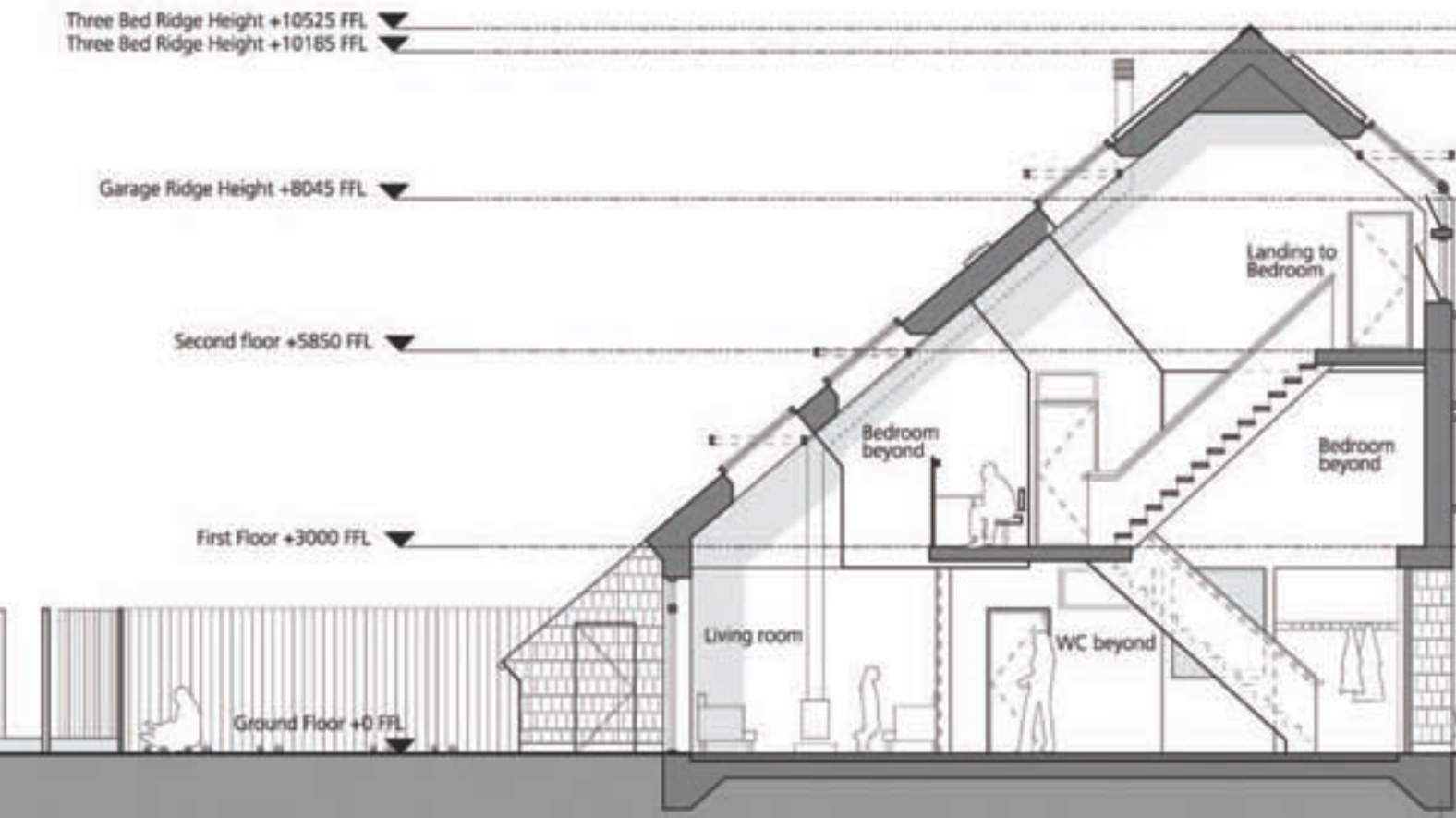
The design team rejected photovoltaics in favour of solar thermal panels – nine are placed on each side of the ridge. Paul reveals: “We wanted something affordable, practical, effective, so we went for solar thermal as the main form of energy for domestic hot water and space heating, and then an air source heat pump as back-up.

“In many developments, solar thermal hot water is just for

*Continued overleaf...*

*'Daylight allows us to connect to the world outside and the seasons and times of the day – our ability to relax and operate depends on good-quality light'*

Rory Bergin, head of sustainability and innovation at HTA

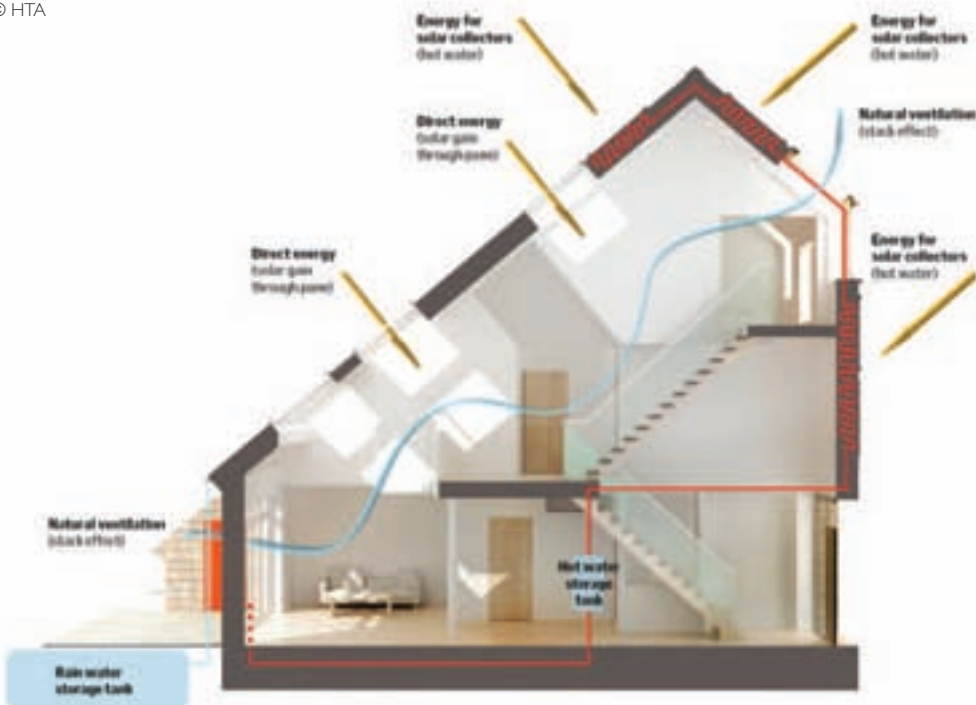




hot water and air source heat pumps just for space heating, but we thought why not use both to do both. We've got a buffer tank of 550 litres thermal storage, which is heated by both the solar thermal panels and the air source heat pump.

He continues: "Instead of extracting the hot water out of that tank we extract the heat from the water, so it's a sealed system. That's done using flat plate heat exchangers connected to a buffer vessel. One of those will feed your hot water and the other one will feed the space heating."

© HTA



"We also decided there was no point to heating up water to 70 degrees only to have to add cold water to get it to the right temperature to touch – that seemed a waste of energy. So the water is heated just to 45-50 degrees, which is perfectly safe and hot enough to shower in."

The 'brain' of the CarbonLight Homes is the Window-Master building management system. Daylight levels, ventilation, temperature and humidity are all controlled through automatically opening or closing windows and blinds or adjusting the heating system. And it's easy to use too, says Paul: "There are no fancy mechanics or electrics, it's very simple – you set what you want and the system will automatically work to achieve that."

It does however beg the question over whether there's now  
*Continued overleaf...*

Cross section of a four-bedroom house (left); Diagram showing CLH energy strategy (above)

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*'We are moving towards a more managed environment in the home, but we would hope that it's managed in a way that's invisible and not intrusive'*

Rory Bergin,  
head of sustainability and innovation at HTA

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a parallel between onboard systems management of our cars and our homes? Rory says: “We are moving towards a more managed environment in the home, but we would hope that it’s managed in a way that’s invisible and not intrusive, so it’s a matter of how responsive systems can be and how well they are set up in the beginning.”

So is the CarbonLight Home the future for housebuilding? Rory says: “It’s one way forward. In the past these sorts of systems haven’t always worked particularly well because they haven’t been responsive enough. They’ve also been quite expensive to install and run. This is an experiment and the proof will be in the pudding.”

“It’s going to be very interesting in the next 18 months to see how well the system works and how it copes with small children living in the home because even though we’ve tried to

think of everything there will be things that crop up. The systems can be manually overridden so it’ll be instructive to see how often the people living in the building contradict the system and how often it agrees with them. As they get used to it and learn it’ll be interesting to see if the people inside think about their environment in a different way.

“I don’t know anyone who’s doing anything like this on this scale – a pan-European project where similar experiences can be shared across different countries. I think it’s a courageous project.”

The second, three-bedroom CarbonLight Home will be occupied by a test family from April for a 12-month period, but before then, the house is available to inspect. Contact Velux for details. After testing, the homes will be offered for sale on the open market.

**Architects:** HTA

**Main contractor:**  
Willmott Dixon

**Main sub-contractor:**  
Wilcox Fabrications

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Hewitsons (lawyers),  
HTA & Esbensens  
(energy modelling),  
Listers (Geotechnics),  
Middlemarch (eco  
report), Spectrum  
acoustics, Window-  
Master (BMS), John  
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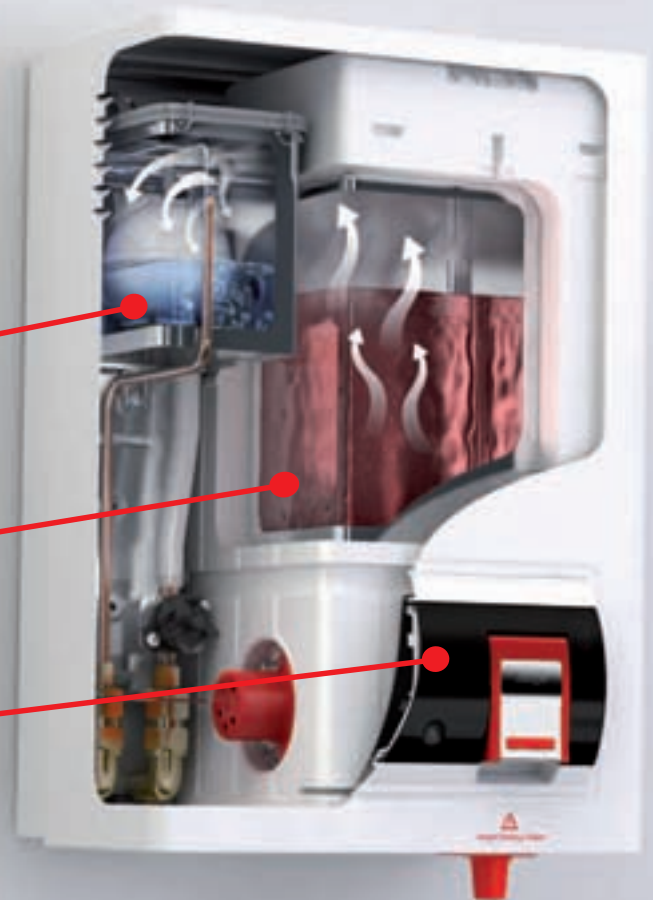
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# Ecobuild is back and looking to the future for sustainable design

Ecobuild, the world's premier showcase for sustainability and the built environment, returns to London's ExCeL from 5-7 March 2013. We take a closer look at what's on offer for the architecture community

**E**cobuild – taking place from March 5 - 7 at London's ExCeL, should be a date in the diary for anyone working in the architecture field. It's the world's largest showcase for sustainable design and construction and offers more than 1,500 exhibitors, 1100 expert speakers, plus dozens of interactive and educational attractions.

The three-day event is the perfect opportunity for architects to rub shoulders with academics, government representatives and a whole range of industry experts, to discuss the latest developments in the world of sustainable design. This year, top architects from around the world will meet at Ecobuild to debate current issues facing the future of the profession at Ecobuild's 'Design Architecture & Sustainability' conference.

RIBA president Angela Brady will kick off day one with the hot topic of 'Sustainable design should be irresistible design'

and will be joined by Louis Becker, international director and partner from international architecture practice Henning Larsen.

The crème de la crème of the design world will come together in the Ecobuild Arena at the heart of the show floor to cover topical issues such as 'Reinventing the high street' led by the chief executive of Igloo and 'Encouraging sustainability through art' with Oliver James, psychologist, writer and broadcaster and Tom Hodgkinson, writer and editor from The Idler.

'Is BIM the saviour of sustainable design?' is set to be an engaging debate, bringing together experts from ARUP, Make Architects and Penoyre & Prasad and hosted by Thomas Lane, group technical editor, Building Magazine and Ecobuild.

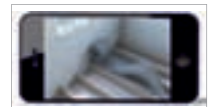
Kieran Long, architecture critic from the Evening Standard will ask the important question 'How far can wood replace

*Continued on page 47...*



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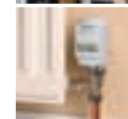
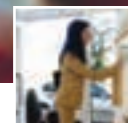
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ecobuild stand no N1310

enq. 150



concrete and steel?', while Aecom's sustainability director will focus on the latest issues and opportunities surrounding 'Water sensitive urban design'.

Further issues to be covered include 'How can design help to create sustainable communities?' and 'Lessons from the past', led by Professor Herbert Girardet, co-founder of the World Future Council.

Ecobuild will also bring together a wealth of top sustainability experts to debate and share their unique perspectives on the global sustainability agenda with the launch of its Sustainability Overseas conference programme.

Forming part of Ecobuild 2013's wider conference programme in association with UKGBC, the one-day conference stream will take place on Wednesday 6 March covering the challenges and opportunities of sustainability around the world, with experts from UK Green Building Council, RICS, AECOM, International Sustainability Alliance, BRE, Premier Inn and many more.

**For the full programme line-up and speaker information, please visit <http://bit.ly/sustainabilityoverseas>**

Industry experts will discuss hot topics such as 'Understanding the sustainability drivers in overseas markets', 'What sustainability strategies are needed for different climatic zones?' 'What and where are the market opportunities for sustainability expertise in BRIC nations?' and 'Successfully delivering sustainable buildings in emerging markets'.

Set to be an exciting year, 2013 will also see a wealth of new features and content showcased at Ecobuild. The new Future Materials Gallery is a must-see for every architect. Think

*Continued on page 49...*



#### Beautiful eco flooring

When it comes to sustainable flooring, visitors to ecobuild will meet a range of top suppliers including Interface, Desso, Modulys and Flowcrete. Modulys will be exhibiting its alternative 100 carpet tiles (pictured), which use 100 per cent recycled yarn, while Interface will showcase two of its most sustainable products to date. Earlier this year, Interface launched Fotosfera, the industry's first ever truly commercial carpet tile made from plant (or bio) based nylon.

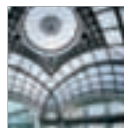
Also during the show, Desso will be introducing its latest carpet tiles containing 100 per cent regenerated nylon (ECONYL® yarn), alongside the unveiling of Desso Light Reflection Master® – an entirely new carpet collection that is able to reduce lighting energy costs.

**Zip Heaters** is set to showcase its range of industry leading instant filtered boiling and chilled water products which boast the very best in terms of performance and energy efficiency. The centerpiece of the stand is sure to be the Sparkling HydroTap (boiling, chilled and sparkling). Visit **Stand N3440**.



enq. 151

**Saint-Gobain** is committed to helping build a more sustainable future. They can help to create energy-efficient and comfortable living and working environments. **Vetrotech Saint Gobain** offer a wide range of fire resistant glass technologies, up to 120 minutes integrity and insulation. Visit **Stand N310**



enq. 152

**Joule** is a leading manufacturer of copper and stainless steel hot water cylinders. Joule's solar packages have the prestigious IAB (Agreement) Certificate & Solar Keymark on all collectors. Joule's solar packages are made from high grade weather resistant materials. Visit **Stand N2142**.



enq. 153

**Mellott Windows** manufacture high quality hardwood sliding sash windows (including SlimSash Double-glazed sash window), period, bi-fold, french doors and bespoke joinery. Recently awarded an 'A' rated certificate by the BFRC for its timber sliding sash windows, manufactured from sustainable Accoya wood. Visit **Stand S803**.



enq. 154



enq.155

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enq.156





scientists in lab coats and beakers bubbling away, the new Future Materials Gallery will bring the world's latest building technologies together in a futuristic showcase to educate and inspire the next generation of architects at Ecobuild 2013.

Mind-blowing innovations will be on display, from self-healing concrete and use of 'biomimicry' – stone, cement and wood substitutes, to heat responsive 'thermobimetals' metals that act like human skin, and the pioneering application of 'blue smoke' – the world's lightest solid, to create see-through doors, windows and structures without fear of heat loss.

Also new for 2013, The Light Box will take architects on

a journey from day to night; showcasing the latest sustainable lighting technologies as they walk through this inspirational feature. From daylighting design and energy efficient LEDs, light bulbs and Compact Fluorescent Lights (CFL), to emerging technologies such as sunlight transportation, visitors will learn how to implement sustainable lighting solutions that dramatically reduce energy consumption and address the latest environmental regulations.

Ecobuild 2012 brought together over 57,000 of the design and construction industry's most influential professionals including the largest gathering of architects in the UK.



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and updates*



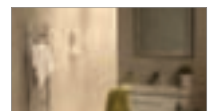
**Marmox**, experts in insulation (waterproofing, sound minimising, thermal insulation and fireproofing), will be exhibiting a wide and diverse array of products including the lightweight Multiboard, Showerlay panels, Thermal Bridging Blocks and Bath Panel Kits. Visit N1210.

enq. 157



**Sensible Heat's** Telephone Interface allows remote control of the heating, hot water system and potentially other systems by using a standard voice telephone line. Installation is simple, and can be undertaken by any competent electrician. A dedicated line isn't required. Visit Stand N2400.

enq. 158



**Marbrex** (Swish Building Products) have added Sandstone, Anthracite and Moonstone to their wall and ceiling panels, which give the aesthetic appeal of stone. This has been developed as a more cost effective, practical and low maintenance alternative to tiling. Visit Stand N1310.

enq. 159

## IKO PLC's new products



IKO PLC will be launching two new pitched roof products at this year's Ecobuild exhibition at ExCel in London, 5 – 7 March. They have been added to IKO's range of sustainable roof engineering concepts, which already includes green roof systems, photovoltaic energy roof systems and heat reflective membranes. IKOslate is

a composite roof tile manufactured from mineral reinforced, 99 per cent recycled and re-engineered materials. Its unique structure gives it superior strength and makes it easier to handle and install. Ultimo HS breather membrane is able to cope with the demands of today's house building in innovative ways, which are not possible with conventional underslating membranes.

01380 730 668 [www.ikogroup.co.uk](http://www.ikogroup.co.uk)

ecobuild stand no S1806

enq.160

## Synseal treads a green path to Ecobuild



Synseal Extrusions will be exhibiting at Ecobuild to promote its wide range of environmentally focussed products and initiatives. The leading PVC-U systems supplier has developed a range of plastic thermal reinforcements for its Legend, Synerjy and Shield profiles, which are made from 100 per cent recycled material, and have been

designed to make windows more energy efficient than those reinforced with steel. Investing in recycled products such as PTR's can cut down on window fabrication costs, increase profit, and still meet the criteria set down by the revised Building Regulations. Synseal will also be explaining how its window profiles have been designed to be as environmentally friendly as possible.

ecobuild stand no S882

enq.162

## New Dyson motor in Airblade Tap hand dryer



The Dyson Airblade Tap hand dryer washes and dries hands with no need to leave the sink. Infrared sensors pinpoint hand positions and release water from the tap stem. Once hands are wet and drying is requested, integrated circuitry computes the information and activates the latest Dyson digital motor, creating two high velocity sheets of air on the tap's branches. Unheated clean air is released to scrape water off hands leaving them

dry in 12 seconds. James Dyson said: "The Dyson digital motor self-adjusts 6,000 times a second to maintain optimum efficiency to create high velocity sheet of air that dries hands quickly and hygienically."

ecobuild stand no S331

enq.605

## Baxi Commercial Division create space & time



The Baxi Commercial Division stand has been designed to give visitors more space and time to meet technical teams to discuss unique, one stop shop, commercial heating solutions. Products exhibited by Andrews Water Heaters, Baxi-SenerTec UK and Potterton Commercial, exemplify energy efficient heating. At the forefront is an exciting new biomass boiler, with the environmentally aware application of condensing technology, CHP, heat pumps and

solar thermal integration well represented. The stand features the BIM Library, an industry first, which has rapidly established itself as a valued source of product specific BIM objects.

ecobuild stand no N2110, N2730

enq.161

## BBA exhibiting at Ecobuild



Visit the BBA in the North Hall at Ecobuild this year to find out about their range of services. In addition to its industry renowned Agrément Approvals, the BBA can also assess installers wishing to carry out Green Deal installations and provide a raft of services aimed at those

wanting to CE mark their products or systems. Find out more about the BBA testing facilities too, which cover over 200 different product areas across the entire spectrum of building products. Finally, a prize for the best display of the BBA logo by BBA approved exhibitors will be awarded on the last day of the show.

01923 665300 [www.bbacerts.co.uk](http://www.bbacerts.co.uk)

ecobuild stand no N1330

enq.163

## Smart to showcase sustainable systems



Commercial systems specialist Smart Architectural Aluminium is to showcase a number of new products at Ecobuild, as well as presenting its sustainability credentials. The company will use the exhibition to unveil its drive to become a carbon neutral business including plans to be

energy self-sufficient. Previewing the company's plans, managing director Eddie Robinson said: "Over recent years, we have implemented a range of environmental policies and procedures including an ISO14001 Environmental Management System and the introduction of strict recycling protocols."

ecobuild stand no N110

enq.164

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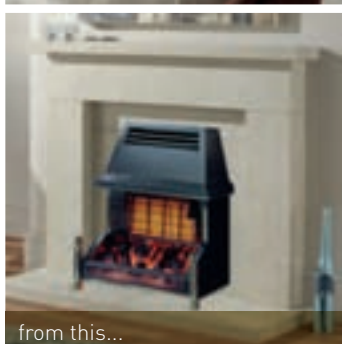
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enq.165



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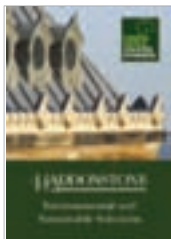
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## Environmentally friendly cast stone



Haddonstone, one of the UK's leading manufacturers of landscape ornaments and architectural cast stone, will be launching its 'Environmental and Sustainable Solutions' leaflet at this year's Ecobuild, detailing the environmental and cost benefits of using Haddonstone on architectural projects. Previous projects include the restoration of Scarborough Spa, which saw the company awarded the prestigious Green Apple Gold Award (Building Materials) for Environmental Best Practice and

Sustainable Development. Haddonstone's dry-cast material and the wet-cast TecStone provide thermal mass benefits while revolutionary TecLite is up to two-thirds lighter than similar Haddonstone pieces.

ecobuild stand no S700

enq.167

## Fläkt Woods' fresh approach to Ecobuild



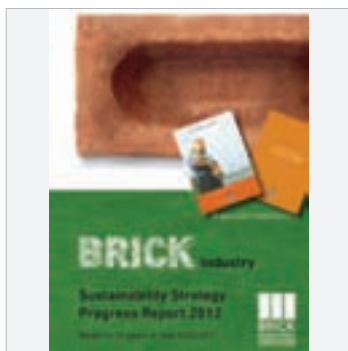
Fläkt Woods will be showcasing its latest range of ventilation products at Ecobuild. As part of the company's Green Agenda, the interactive stand (S1618) will highlight a 'Roof to Room' philosophy and holistic approach to

ventilation system design. This will encompass the launch of two new pioneering products from the FreeFlow range of natural ventilation, plus the world's first 'active' room diffusers – Optimix. Fläkt Woods will also be displaying its highly efficient e3co Crown and e3co Star energy recovery units (ERU), as well as the latest window actuators and state-of-the-art control systems. The products displayed will demonstrate a passive approach to system design.

ecobuild stand no S1618

enq.168

## Sustainability strategy set for future of brick industry



The Brick Development Association (BDA), which represents the majority of the United Kingdom and Ireland's clay brick and paver industries, is once again joining forces with British Precast and the Modern Masonry Alliance in the Masonry Village at Ecobuild 2013. Continuing to demonstrate its long-term commitment to sustainability as was one of the first UK industrial sectors to publish its sustainability policy, the BDA has produced its Sustainability Strategy Progress Report 2012 (based on data from 2002-2011). As a result of collating ten years of data summarised in this report, the BDA will, in 2013, review all the existing KPI's and update them as necessary in accordance with emerging UK government guidelines. Additionally, quantitative targets will be established to shape the future progress of the industry towards 2020. The report, which will be promoted at Ecobuild, provides crucial information for everyone involved in the specification of brick and masonry walling systems. With the responsibility for promoting the contribution that brick makes to the places and spaces that people live and work in today, the BDA continues to ensure clay bricks and pavers are recognised as the materials of choice by all key decision makers in the UK construction industry.

020 7323 7030 [www.brick.org.uk](http://www.brick.org.uk)

ecobuild stand no N1555

enq.169

ecobuild stand no S803

enq.170

enq.171



## Ibstock Brick to wow with top products



Ibstock Brick, one of the UK's largest brickmakers, will be exhibiting a range of some of its most innovative products at Ecobuild on stand N1110, as part of its commitment to showcase the sustainability and flexibility of clay. Taking centre stage will be Ibstock's relaunched Linear long, thin brick range, the ground-breaking

BrickShield external wall insulation system and Elementix Express, Ibstock's rainscreen cladding system. Ibstock will also have on show an interactive augmented reality experience that will allow visitors to view step by step instructions and tips for the optimum installation of BrickShield.

ecobuild stand no N1110 enq. 172

## Flush plates of a new generation at Ecobuild



Geberit will be exhibiting at Ecobuild 2013, held at London's ExCel, to present and showcase its new developments and innovations ideal for modern, sustainable building designs within private and public applications. Taking pride of place on Stand S349 will be Geberit's new addition to its Sigma10 range of flushplates. The new

design incorporates the very latest dual flush technology, controlled via infra-red, and has been styled for the next generation. Geberit's Sigma50 flush plate has been modernised and refreshed by its designer, Christoph Behling.

ecobuild stand no S349 enq. 173



## EnviroVent's new innovations at Ecobuild

Dynamic PIV is a new and exciting technology from EnviroVent specifically tested by BRE to comply and work in-conjunction with Jablitz's dynamic cavity insulation. This intelligent two in one solution brings dynamic insulation and positive input ventilation (PIV) together, offering builders and designers a cost effective alternative to MVHR when it comes to meeting today's ever increasing demands for energy efficiency and carbon reductions. A through the wall single room heat recovery unit, the heatSava, is an energy efficient alternative to traditional extract fans, ideal for kitchens and bathrooms in retrofit and new build projects. Designed for people who are looking for new and innovative ways to save energy and money, the unit recovers up to 75 per cent of heat that would normally be lost on extraction, while providing continuous all year round good indoor air quality.

0845 27 27 810 [www.envirovent.com](http://www.envirovent.com)

ecobuild stand no N2450 enq. 174

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enq. 175

## Vortice exhibits at Ecobuild



Ventilation specialist **Vortice** will be returning to Ecobuild for the 2013 exhibition, stand N2721. The company has several new launches planned, all either responding to customer requests, or developing what Vortice believes are the next important innovations in the marketplace. There will be three new domestic heat recovery units - catering for all sizes of property, each SAP

Appendix Q eligible and abiding by Energy Saving Trust best practice. In the hygiene product range, a new wall mounted hand dryer ideal for energy efficient commercial use will be launched, and within the general ventilation fan collection, Vortice will be launching a selection of new acoustic box fans and twin fan units.

01283 492949 [www.vortice.ltd.uk](http://www.vortice.ltd.uk)

ecobuild stand no N2721

enq.176

## Johnson & Starley's heating and ventilation



'Sustainable Solutions Under one Roof' will be the theme of **Johnson & Starley's** participation at Ecobuild 2013. The company will highlight its comprehensive range of highly energy efficient heating and ventilation solutions for residential properties. The new super-efficient QuanTec condensing combi boiler with integral passive flue gas heat recovery will be a major attraction for Ecobuild visitors, alongside this will be the company's latest innovations in high efficiency warm air heating. Also on show will be

Gencair HPT air to water heat pumps, developed for comfort heating when integrated within traditional residential heating systems.

ecobuild stand no N2000

enq.178

## Energy saving radiator star of the show



**Stelrad's** energy saving serial feed radiator - Radical - will be the star of the show at Ecobuild this year on stand N2720. With a 10.5 per cent independently assessed energy saving by using Radicals in a project - confirmed by KIWA - it's not surprising that the new radiator has been generating significant interest.

Stelrad has been giving a number of CPD seminars on the concept following approval by RIBA, generating enquiries from architects and building designers across the UK. The launch of Stelrad's free, online STARS radiator sizing and heat loss calculator has been phenomenally successful this year too and if you've missed that release - pop onto the Stelrad stand for a demonstration.

08708 498056 [www.stelrad.com](http://www.stelrad.com)

ecobuild stand no N2720

enq.180

## Heat recovery range expanded at Ecobuild



Following the successful launch of the Silavent Green Line HRX mechanical ventilation heat recovery (MVHR) appliance, **Polypipe Ventilation** will be adding to the range with a highly efficient and larger unit at this year's Ecobuild. The new HRX2 features market leading heat exchange efficiency and extremely low specific fan power (SFP) for optimal

energy usage while still retaining full airflow performance, thereby helping to recover a home's waste heat and deliver a higher SAP rating. Suitable for larger properties, the high performance levels of the HRX2 make it ideal for installation in self build and premium private developments.

ecobuild stand no N3530

enq.182

## Marley Eternit pushes the envelope solution



Marley Eternit will be unveiling a comprehensive range of architectural facade solutions at this year's Ecobuild, stand N1230. Headlining the display will be Equitone, the new international umbrella brand for the company's architectural fibre cement facade materials. As part of showcasing the Equitone facade offering, Marley Eternit will be unveiling a selection of new colours recently added to the range. Equitone brings

together the ranges Natura, Tectiva (formerly Eter-Color), Textura and Pictura to give these architectural materials an identity that is recognised by specifiers as the material of choice to achieve appealing and inspiring buildings.

ecobuild stand no N1230

enq.177

## Vectaire showing at Ecobuild



**Vectaire** continues to develop low energy, high performance products reducing energy consumption and cost, and will be showing them at Ecobuild. The Heatrec Mini DC, with multiple choice trickle speed, provides low level, continuous ventilation in one or two bedroom apartments, hotel rooms or student accommodation, with up to 92 per cent heat recovery. The Elegance

EL1003 is one of a range of stylishly designed, continuous running, three speed fans incorporating EC motors for economical efficiency. The trickle speed is set (from a choice of two) at installation. In both fans the boost speed can be activated by the user, or automatically via various remote switches.

01494 522333 [www.vectaire.co.uk](http://www.vectaire.co.uk)

ecobuild stand no N3531

enq.179

## Norbord spotlights sterling OSB



Sterling OSB - one of the UK's most versatile, popular and sustainable building materials - will take pride of place on the **Norbord** stand at this year's Ecobuild show. The versatility of the product will be demonstrated with new roofing and flooring applications explained. In addition, Norbord

will be introducing a range of solutions that meet UKTFA fire-rating requirements for timber frame buildings. Samples and 'in use' models will be available. Made entirely from home-grown wood from sustainably managed forests, Sterling OSB outsells all other brands of OSB in the UK, where it is used for a multitude of applications, from basement formwork to roof-boarding.

ecobuild stand no S1031

enq.181

## STEICO's new sarking boards Ecobuild 2013



**STEICO** has expanded its range of wood fibre sarking boards with new products for applications in both new build and renovation projects. STEICO universal dry is produced using a modern dry process and has a thermal conductivity of

0.043 W/m\*K. With thicknesses available from 35mm to 160mm 'STEICO universal dry' is predominantly for new build projects. Alongside its existing range of wet process boards, which offer excellent sound insulation and summer heat protection, the new dry process boards are light weight, have high durability and offer reduced thermal conductivity.

01727 515120 [www.steico.co.uk](http://www.steico.co.uk)

ecobuild stand no S912

enq.183



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ecobuild stand no N1210

enq.185

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enq.186

## A Proctor Group to attend Ecobuild



The A Proctor Group of Blairgowrie will be exhibiting at the Ecobuild exhibition within the Scottish Pavilion stand S1010, S1110. The stand will showcase the Group's latest products and solutions to enter the market for 2013. This will include Wraptite-SA,

a self-adhered, air tight, vapour permeable membrane

that is a cost effective layer used on the outer face of the building envelope. The membrane is quickly and easily installed on site; the breathable adhesive further increases the air tightness due to no requirement for mechanical fixings. The Group will also exhibit a proto-type of their new 'Profloor Offsite 38' acoustic floor cassette solution, and Spacetherm, their space saving thin insulation.

01250 872 261 [www.proctorgroup.com](http://www.proctorgroup.com)

ecobuild stand no S1110

enq.187

## Energy efficiency at Schueco's Ecobuild stand



Visitors to Ecobuild who want to view the latest advances in energy efficient façade, window and door systems will find a host of solutions on Schueco UK's stand S310. This year, Schueco UK is demonstrating how the impressive thermal values routinely achieved by its

highly-engineered aluminium and steel systems can help architects, main contractors and fabricator partners construct buildings that meet or exceed the ever-stricter energy-saving guidelines included in Part L of the Building Regulations. As an example of this, visitors can see the Schueco ERC 50 Renovation Façade (complete with a Schueco AWS 70.BS window).

ecobuild stand no S310

enq.189

## Building regulations compliance testing



BSRIA provide an independent nationwide, one-stop-shop to prove compliance with Building Regulations. Its accredited services along with experience from thousands of tests help all types of buildings pass first time and ensure certificates are recognised by Building Control. Tests include Airtightness to Part L in both domestic and commercial buildings, Acoustics for Part E on party walls and floors and Ventilation assessment on systems to

Part F. As Building Regulations get more complex and demanding, builders and designers need good guidance and accredited testing to get them through the Regulations; BSRIA can offer this service.

0800 587 1000 [www.bis.fm](http://www.bis.fm)

ecobuild stand no N430

enq.191

## Secure surfaces by Terram at Ecobuild



Fiberweb Geosynthetics Ltd. will be exhibiting a range of its Terram Grass and ground reinforcement solutions at this year's Ecobuild on stand S2055. These SuDS source control compliant products include GrassProtecta, a heavy-duty polyethylene mesh available in two grades. This product is suitable for permanent grassed

overflow car parks, residential parking access routes and many more. Bodpave 85 is an interlocking cellular porous paving system, which can be filled with grass or gravel. The Fiberweb stand promises to be an instant success for anyone requiring grass and ground reinforcement solutions in all its forms.

01621 874 200 [www.grass-reinforcement.com](http://www.grass-reinforcement.com)

ecobuild stand no S2055

enq.193

## Opening up spaces with glazing systems



Challenging expectations at Ecobuild, Reynaers Aluminium is launching an exciting new product that offers a new approach to sliding systems along with the latest in unitised and inclined curtain walling systems. Other latest developments, designed to open up spaces to the max, will feature the state-of-the-art CF77 Slim Line

folding door and the specially developed corner solution for the CP130 Lift & Slide duorail sliding door. The latest addition to the sliding door range facilitates a new, innovative approach that will be revealed for the first time on the Ecobuild stand N550 and promises to 'raise the bar' on design and utilisation.

ecobuild stand no N550

enq.188

## Low energy fixing innovation at Ecobuild



2012 Queen's Award Winner, Ancon, has chosen Ecobuild to showcase the latest innovative structural fixing solutions that are helping to change the way that sustainable low energy buildings are designed and constructed. Solutions on show will include low thermal conductivity cavity wall ties,

such as the Ancon TeploTie, an innovative basalt-fibre tie used in many groundbreaking low-energy developments; and new Staifix RT2 275mm, the first high thermal performance Type 2 stainless steel wall tie to enable the use of 150mm wide insulated cavities in multi-storey low energy construction.

0114 275 5224 [www.ancon.co.uk](http://www.ancon.co.uk)

ecobuild stand no N1110

enq.190

## Facilitating innovative design at Ecobuild



At this year's Ecobuild, Marley Eternit will be showcasing the sustainability benefits of fibre cement slates and unveiling some innovative additions to the range, as well as demonstrating further proof of the company's own environmental credentials. Marley Eternit will be exhibiting its range of fibre cement slates, which can not only achieve an A+ rating in the BRE Green Guide to Specification, but also have BES 6001 Responsible Sourcing accreditation and a

low carbon footprint of just 12.7 CO<sub>2</sub>e / m<sup>2</sup> (based on 600 x 300 slate at 100mm lap), as independently certified by Carbon Trust Certification Ltd.

01283 722588 [www.marleyeternit.co.uk](http://www.marleyeternit.co.uk)

ecobuild stand no N1230

enq.192

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## Developments from Schöck on Stand N850



All of the latest developments relating to thermal break technology and connectivity involving concrete to concrete, concrete to steel and steel to steel can be found on Stand N850. The type KST Isokorb®, which among its many modular capabilities offers solutions for balcony renovation, is now partnered by the new type R, which is unique in the refurbishment sector. Members of the Schöck team will be on Stand N850 to discuss any aspect of these innovative solutions and offer advice on any project specific information.

01865 290 890 [www.schoeck.co.uk](http://www.schoeck.co.uk)

ecobuild stand no N850

enq.194

## Grundfos takes a stand at Ecobuild



Grundfos Pumps will once again be playing a central role at Ecobuild, which is taking place at the ExCel in London Docklands from 5 to 7 March. The 2013 event is expected to attract in excess of 60,000 visitors, which makes it the world's biggest event for sustainable design, construction and the built environment. Pumps account for 10 per cent of the world's electricity consumption and two thirds of the installed base use 60 per cent more energy than necessary. With the fantastic mix of new and existing eco-products on show from Grundfos Pumps, they will have a great story to tell and an important role to play at this key exhibition.

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01525 850000 [uk.grundfos.com](http://uk.grundfos.com)

ecobuild stand no N2540, N2550

enq.196



## Orange in colour, green by nature

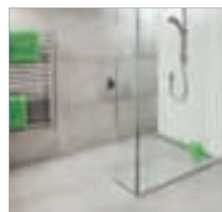
Its components may be orange in colour, but Schlüter®-BEKOTEC-THERM is definitely green by nature thanks to the distinctive environmental benefits this perfect underfloor heating system possesses. The unique design of this advanced system from Schlüter-Systems requires a 30 per cent thinner screed, which helps distribute heat faster and with evenness. This is because the thin patented structure of the ceramic thermal floor allows it to respond to temperature changes much quicker thanks to the connected air channels within the Schlüter®-DITRA membrane. This in turn uses less energy. Its low supply temperature of approximately 30°C, compared to the more conventional 50°C or the 70-90°C in some radiator systems, means Schlüter®-BEKOTEC-THERM is extremely effective both with conventional heat generation methods and regenerative energy sources such as heat pumps or solar panels.

01530 813396 [www.bekotec-therm.co.uk](http://www.bekotec-therm.co.uk)

ecobuild stand no N840

enq.198

## Marmox at Ecobuild



Marmox Specialist Building Products is exhibiting on Stand N1210 at this year's Ecobuild. Well known as experts in insulation, waterproofing, sound minimising, thermal insulation and fireproofing, Marmox will show a wide and diverse array of products including several recent additions to its range. Especially featured will be the lightweight Multiboard range that is equally suited to wetroom applications and for sound insulation elsewhere in the home.

Multiboards are EPS coated on both sides with close-woven fibreglass finished in a cement polymer mortar that is completely impervious to water penetration.

01634 835290 [www.marmox.co.uk](http://www.marmox.co.uk)

ecobuild stand no N1210

enq.195

## Kemper System sustainable roofing solutions



Kemper System's stand (S1930) at this year's Ecobuild (5-7 March) will mark the company's return to the show for the second time building on the success of last year's Ecobuild with its Kemperol 2K-PUR solvent-free liquid waterproofing system and Stratex Warm Roof System. Kemper System's innovative Kemperol 2K-PUR solvent-free and odourless system is the first solvent-free wet-on-wet cold liquid waterproofing system available on the UK market and remains the only product of its kind available. Kemper System will also be showcasing the company's Kempergro Green Roof System, a three-section system comprising a reservoir attenuation composite, growing medium and vegetation.

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01925 445532 [www.kempersystem.co.uk](http://www.kempersystem.co.uk)

ecobuild stand no S1930

enq.197



## Smarter approach to energy efficiency

The Wandsworth Group will be assisting specifiers to understand the energy-efficiency benefits of KNX smart home technology at this year's Ecobuild at a joint stand with partner company, Jung (Stand N3701). The Wandsworth Group is the exclusive UK distributor of Jung's products including its market-leading range of KNX intelligent control and visualisation tools. Designed to co-ordinate lighting, heating, A/V systems and blind controls in any domestic or commercial property, the KNX systems available from The Wandsworth Group combine advanced technology with simple to use touch screen panels. Plus, because they utilise KNX protocol, the only globally-recognised open intelligent controls protocol, the controls and tools offered by The Wandsworth Group can be integrated with thousands of other KNX products from nearly 300 different manufacturers.

01483 713400 [www.wandsworthgroup.com](http://www.wandsworthgroup.com)

ecobuild stand no N3701

enq.199

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enq.201

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enq.202



## Vandersanden Group awarded Brick Award



Vandersanden Group, one of the largest brick manufacturers in Europe, recently scooped the 'Worldwide Brick' Award at the annual Brick Development Association (BDA) Brick Awards. Beating off competition from hundreds of entrants the title was given to the Group for its Viola hand formed facing bricks as part of the Bolles & Wilson Raakspoort project. The Viola handformed facing bricks, available in the UK via **Hoskins Brick**, are the only bricks that have been incorporated into the

building. The use of different colours for the pointing and uniform and textured bonds have created several different effects in the overall result.

enq.203

## Armstrong Ceilings helps LFC



Hexagonal canopies from **Armstrong Ceilings** were specified for a premier league football club's refurbishment project for their acoustic and aesthetic qualities. More than 60 of Armstrong Ceilings' Optima mineral canopies were specified by strategic design consultants 20.20 for 'The

International' private members lounge at Liverpool Football Club, part of a refurbishment of the club's corporate hospitality suites and associated public areas. The Armstrong 1,170mm x 1,010mm white canopies, which are highly light-reflective at 87 per cent and are manufactured with 82 per cent recycled content, perform acoustically to Sound Absorption Class A.

01895 251122 [www.armstrong-ceilings.co.uk](http://www.armstrong-ceilings.co.uk)

enq.205

## New Watco Concrex® Flex



Watco, a leading UK direct supplier of building maintenance solutions, has launched Concrex® Flex, a new version of its best selling epoxy repair mortar, specifically for concrete areas subject to movement and vibrations. Easy-to-apply, long lasting and virtually indestructible, Watco Concrex® Flex is unlike any other repair mortars. Formulated to enable movement, it is an extremely strong, flexible epoxy mortar, ideal for repairing damaged expansion joints, ramps or concrete areas around

vibrating machinery. As per all other Concrex® products, Watco Concrex® Flex requires no water, is quicker drying and eight times tougher than concrete.

01483 751 456 [www.watco.co.uk](http://www.watco.co.uk)

enq.207

## Denso protection at London Gateway Port



A joint venture between Laing O'Rourke and Dredging International, London Gateway is being built at a cost of £1.5billion. **Winn & Coales (Denso) Ltd** engaged with Laing O'Rourke to provide them with two products from its extensive range of anti-corrosion tapes, plus Densoband sealant for application between asphalt and concrete. In the 1,250m

long container quay 1,294 tie rods have been installed to secure the diaphragm walls. Denso Tape and Densopol 60 are being used to provide protective support on the tie rods, which are each 35m long and are in three sections.

020 8670 7511 [www.denso.net](http://www.denso.net)

enq.208

## Ceram provides testing to enable CE marking



**Ceram** is enabling manufacturers to CE mark their products by providing comprehensive testing of construction products to the relevant standards. When affixed to a product, the CE mark indicates compliance with the relevant EU legislation, therefore enabling

unlimited movement within the European Economic Area (EEA). As of the 1<sup>st</sup> July 2013, it will become mandatory for manufacturers to apply CE marking to any of their construction products. The Assessment and Verification of Constancy of Performance (AVoCP)\* outlines the tasks for each class of product and who is responsible for completing them. For AVoCP levels 1+, 1 and 3, the type-testing needs to be conducted by a Notified Body, such as Ceram.

01782 764428 [www.ceram.com/cemark](http://www.ceram.com/cemark)

enq.204

## Evac+Chair announces new Jersey distributor



**Evac+Chair International**, one of the UK's leading manufacturers of escape equipment, has announced that TechniCare Limited has become the company's first distributor in Jersey. TechniCare Limited has a long-established reputation in the Channel Islands; since the mid 1990's the company has been the largest supplier of access, medical and mobility equipment. TechniCare will be distributing the full Evac+Chair evacuation range and accessories. Throughout the company's 25 year history, TechniCare Limited has grown steadily, managing to position itself as a

company that is known for its reliability and quality service for its clients.

enq.206

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enq.209

# editor's focus

## Plastica

Despite the tightening of purse strings, wet leisure centres continue to invest in swimming pool heat retention covers. As energy prices look set to further increase in the foreseeable future, more and more establishments are looking to further minimise their carbon footprint. Cale Sinfield, Plastica's customer services and marketing manager commented: "2012 has proven to be Plastica's busiest year for heat retention cover installations. Strong interest in the last quarter of 2012 indicates that 2013 will continue to see the growth in the popularity of energy saving covers."

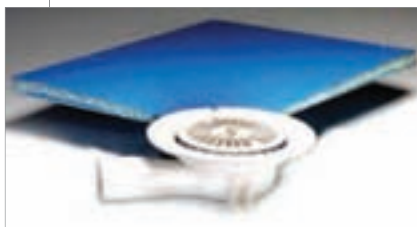
enq. 210



## Wetroom Innovations

www.wetroominnovations.com provides an in-depth wealth of information on the wetroom world. This amazing one-stop portal offers a huge insight into the biggest range of wetroom products under one roof. The Maxxus wet-deck and Minimax drain are now available. Maxxus facilitates level-access showering, relieving floor space and optimising mobility with freedom of movement. Easily the strongest of its kind, Maxxus sustains a 470kg load over joists. Only 22mm thick, installation time is reduced to one hour as no under-boarding or drain boxing is required.

enq. 211



## Sensorbility

Sensorbility's Bathroom Switch controller, with dimmer and timer variants, allows bathroom designers far more flexibility when it comes to lighting design and operation within bathrooms. The Bathroom Switch controllers are activated from low voltage (5vdc) sensor pads that can be placed behind most materials. Dimmer controllers can be operated from a Sensor Pad behind a tile by the door and then the lights dimmed by touching another tile while in the bath.

enq. 212

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enq.214





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enq.302

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enq.304





**1st Folding Sliding Doors Ltd** is a national company based in London, offering the supply and or installation of specialist concertina style and sliding doors.

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enq.303



**Yale Door and Window Solutions** will showcase its very latest product innovations at FIT 2013 on stand 3 – 310.

Included in the exciting display will be an industry leading range of mechanical and digital door locks.

Managing director of Yale Door and Window Solutions, Kevin Hill, says:

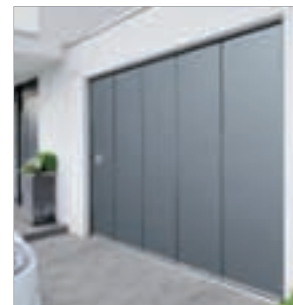
“For architects and specifiers we offer the very latest in security innovation, that achieve coveted industry standards and ultimate aesthetic appeal.”

enq.322



With the increased popularity of oversized sliding doors and windows, the development of a suitable Flyscreen system has been a top priority. **The Flyscreen Company's** sliding flyscreen system for panoramic doors and windows brings the garden into the home without the flying insects. Frames can be custom painted to match door and window frames. A strong PVC coated Ebrex mesh keeps flying insects out and allows light in, without restricting views.

enq.332



The new **Hörmann HST** side sliding sectional door will make its UK debut at the Homebuilding and Renovating Show. Unique twin rollers ensure precise door travel, making this door very easy to operate even if the manual option is chosen. 42mm thick insulation, finger trap protection, double automatic safety cut out, mechanical locking and a unique wicket door function are all features that make this door stand out. Visit stand E139 for new design ideas.

enq.310

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enq.305



Linar will be showcasing its innovative industry leading range of windows and doors at Ecobuild on stand S1351. The company's bi-folding door, with its capacity to accommodate triple glazing and larger sized openings, will be a main feature, along with a range of flush sash products designed to replicate the appearance of timber. All Linar products are designed to meet the latest standards of thermal efficiency, and are further enhanced by a thermal dam that acts as a cold bridging barrier.

enq.333



**Rooflight Architectural** has recently completed the third phase of roof glazing works to Camberwell Leisure Centre. The fourth similar project carried out for Southwark Council, it consisted of a 35mm x 4.2m feature lantern light with vertical sides over the swimming pool, in aluminium powder coated framework and thermally enhanced double glazed glass units. The company's structurally self supporting sections have narrow site lines and are in great demand in both the commercial and domestic sectors.

enq.329



A solid oak **Rundum** original concave garage door was specified on Downley House; an innovative home designed by RIBA competition winners Birds Portchmouth Russum. The use of oak and the concave design complements the natural flowing form of the landscape and the rest of the building. The door slides back along the side at an angle into the garage and is operated by remote control. Danesch Missaghian MD, said: "Rundum Meir feel privileged to have been involved."

enq.305



**Architectural Bronze Casements** is pleased to announce the new energy efficient thermally broken window system, being seen for the first time at Ecobuild, stand S1150.

Thermabronze is exceptionally slender and ideal for both renovation and new build projects, meeting the requirements of Part L Building Regulations.

These beautiful windows can be set within timber, brick or stone mullions, with most bespoke designs and shapes being achievable.

enq.309



## Magnet Trade refreshes its website

One of the UK's leading kitchen specialists reveals a brand new online experience aimed directly at account holders, who can now view detailed descriptions and images of products with complete ease. With a brand new area specifically for customers, builders can also recommend the service. While the home page is open to both trade and customers, the Trade Only zone contains access to accounts, account application forms and the recommend a friend scheme. It also boasts a 'Tool Kit' for tradesmen, which includes top tips exclusively for traders, brochure requests and floor planners. Navigating products has never been easier with large detailed images, a scrolling gallery and thumbnail menu. Plus, a new feature enables the end customer to search via their budget with **Magnet Trade's** kitchen rating system. Kitchens are rated on a scale of one to six, so there's something to suit everyone.

[www.magnettrade.co.uk](http://www.magnettrade.co.uk)

enq.306



## Triumph at NHIC Annual Awards

Fresh from its success at the Chartered Institute of Housing (CIH) Welsh Housing Awards, **Nationwide Windows** has once again triumphed. This time the company scooped the award for Excellence in Glazing at the National Home Improvement Council's (NHIC) Annual Awards luncheon. The luncheon was a celebration of superior energy efficiency and lower home running costs. Sponsored by Certass, the Excellence in Glazing trophy and plaque was presented by Lord Dykes for the company's work with Nottingham City Homes' Decent Homes Programme. The company has so far replaced single glazed windows with 'A' rated double glazed windows in 13,700 properties as part of the £45million refurbishment programme which secured at least 500 jobs and created 45 apprenticeships. The programme had a significant impact including a 50 per cent drop in burglaries after fitting Secured by Design windows.

01788 569 228 [www.nationwidewindows.co.uk](http://www.nationwidewindows.co.uk)

enq.307





### Sustainable access for green business park

Greenhills Real Estate Ltd has installed a third **Tormax** entrance system at the highly successful, energy efficient business park in Watford, Croxley Green. Set in impressive glass façades, the four-leaf manual revolving doors positively contribute to a greener environment by helping reduce heat loss from the buildings, while the low-energy automatic swing doors to either side take full advantage of Tormax iMotion technology, which is almost entirely manufactured using recyclable material. Contracted to design, manufacture and install the new entrance system to Building 8, Tormax worked with R&M Glazing to deliver a high quality solution that reflects the sustainable ambitions of the business park. The manual revolving doors create a prestigious frontage while delivering a solution that allows smooth pedestrian access. The automatic swing pass doors offer a DDA-compliant option for less-able staff and visitors to the site as well as allowing easy access for deliveries, etc.

enq.308



### New from Europe's no.1: the side sliding sectional door

- Wicket door function thanks to partial opening
- More storage space under the garage ceiling
- Bisecur radio system for convenient door position query



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enq.309

enq.310

## ATB launches new anti-vandal slider

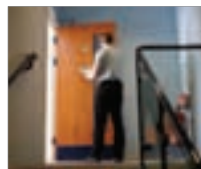


ATB Secure, part of ATB Systems, has added a new aluminium Horizontal Slider Window, complete with Anti-Vandal Mesh, to its Taurus Max range of enhanced security windows. The Taurus Max Horizontal Slider is ideal for applications where space can be tight and other window openings would cause an internal or external obstruction, and where high security solutions are essential. Unlike other products on the market, where

anti-vandal mesh is fitted retrospectively, the Taurus Max Horizontal Slider has the glass protection mesh integrated into the extrusion of the window profile, so giving a robust anti-vandal barrier. The window is available with double glazing up to 28mm and flush mounted pull handles to save space.

enq.311

## Certificated Fire Door Inspector launched



A groundbreaking improvement to the way in which fire risk assessors in the UK support property owners and other responsible people under legislation is now available in the UK with the launch of the **Fire Door Inspection Scheme (FDIS)** Certificated Fire Door Inspector assessment. This completes the provision of Europe's first FDIS,

which provides a systematic progression through comprehensive online education, invigilated examination and independent assessment by Exova Warringtonfire. Once they have proved they have the competence to meet the required FDIS standard and committed to working to the FDIS Code of Conduct, Certificated Inspectors are provided with support tools.

enq.312

## Cooke Brothers' commercial letterplates



Complimenting the company's extensive range of architectural hinges, vision panels and flush pulls, master hinge makers **Cooke Brothers** have now introduced two popular sizes of stainless steel commercial letterplates and inner tidy plates into the company's growing portfolio of high

quality architectural hardware products. Utilising the company's latest laser punch press technology, the new UK manufactured letterplates are available in two standard sizes, 300 x 100mm and 400 x 125mm, while special sizes and unique designs can be produced to suit individual requirements.

enq.313

## Quality and style from Blasi bi-parting doors



The latest range of **Blasi** bi-parting doors from **Record UK** offers top quality engineering for bespoke, architect designed installations. Featuring a gearless drive system with an overall height of 95mm, the Blasi bi-parting door is suitable for linear, telescopic and mitred units with an opening width of up to 3,000mm. Door leaves weighing up to 100kg each (bi-parting) or 150kg (single leaf) can be supplied with a choice of single or double-glazed laminated safety glass. Bespoke solutions are

available on request. Each door incorporates the company's reliable microprocessor control, which can be tailored to suit each individual application.

enq.314

## Open the door to style with Safedors



**Safedors'** customers can now enjoy making an entrance with the arrival of two new tongue and groove style GRP composite doors. Customers can choose from the Newmarket, the 'cool' new door on the block, or the more traditional Chepstow, which replicates a timber tongue and groove door. Appealing to differing styles and tastes, the new additions to the Safedors range come with quality and assurance. Coming with a 10 year guarantee, each door is made to measure and can even be hung left or right handed, to suit preference or the space available. All doors come with a full multipoint locking system for greater security and peace of mind.

enq.315

## Steel is first for high traffic doors



When it comes to high traffic doors, steel is the obvious material: extraordinarily strong yet stylish enough to enhance the décor of even the most up market shopping centre, hotel, department store or commercial entrance. It's always possible to create cheaper entrances, but few if any systems are more elegant. One example is the Schueco Jansen Janisol thermally insulated glazed steel door, which is now available from all members of the **Steel Window Association**. This is a flush fitted door system so it's a suitable choice for structurally complex

single and double-leaf installations that have to be strong and stylish. Maximum leaf dimensions up to 1,300mm x 2,800mm.

enq.316

## Hidden benefits of concealment



**Samuel Heath's** Powermatic® controlled, concealed door closer is enjoying increasing popularity with specifiers thanks to the fact that it is totally invisible when the door is closed. In addition to enabling designers to retain a clean, unhindered appearance to the door, without intrusion from unsightly boxes and mechanical devices, the benefits of concealment go far beyond aesthetic considerations: A reduced

likelihood for the door closer to be vandalised improves reliability of the door to close when needed, particularly important in times of emergency; its ability to be mounted at low levels and the fact that it is hidden from view makes Powermatic® eminently suitable for anti-ligature applications.

enq.317

## Solid core doors with keyless operation



Rocal, a manufacturer of solid core composite doors, celebrates its 21<sup>st</sup> birthday by adding the Yale Keyfree electronic door lock to its Endurance range. When looking for the best electronic locking solution to allow users to access their doors without the use of a key, Rocal turned to **VBH (GB)** for advice. The hardware specialist recommended Keyfree, which can be operated either remotely via a key fob transmitter or by entering a PIN code on the polished chrome or gold handle unit. Rocal MD Stephen Nadin states: "The introduction of Keyfree allows us to offer our customers even more choice when ordering their Endurance door."

enq.318



## Timber door canopies by George Woods



George Woods UK manufacture a large range of door canopies, all hand made in timber from sustainable forestry. The company always holds a large stock of its standard size canopies, which enables it to offer a next day delivery service. A bespoke design service is provided for both timber door canopies and barge boards, which can be crafted from your own design. Beautifully crafted porch canopies are available in soft wood and include an extensive range of barge boards (fascia boards), all of which are manufactured on site by hand in the company's workshop. Having a canopy prolongs the life of your front door and extends the time between maintenance and adds value and a greater visual appeal to your home.

enq.319

## PDS choose Fireswiss for tower block



Performance Doorset Solutions is seeing the benefits of switching to Glastroesch Fireswiss Cool and Fireswiss Foam to meet its fire protection requirements. The company has recently supplied doorsets and internal screens for nine social housing tower blocks on the Wirral, which are undergoing a £40million upgrade, including the installation of fire screens and timber fire doors. PDS has worked very closely with the main contractor and lead architect to get Fireswiss specified to ensure the correct levels of fire protection are achieved. Fireswiss provides quality fire protection while also offering superior performance and value for money.

01706 370001 [www.pdsdoorsets.co.uk](http://www.pdsdoorsets.co.uk)

enq.320



## Securistyle promotes wellbeing for workers

Securistyle, the well established manufacturer of quality, innovative hardware for the window and door industries, has supplied its Sterling hinge for the newly built Tomasal Office Building in the Surco district of Peru. The eight-storey building spans a built area of 5,713m<sup>2</sup> and houses 29 offices. Each of the windows can be opened individually, and by using the top hung Sterling hinges with their superior carrying capacity, the architects, Arq Samuel Cárdenas, were able to design the building with large vents, ensuring that plenty of natural light was allowed into the offices. Natural light is proven to help promote efficiency and general wellbeing in a working environment. Capable of achieving all leading international standards, including the UK BS 6375, the Sterling also provides superior weather sealing and the high grade austenitic steel used during manufacture made it the ideal product choice for a project which required high durability.

01242 221 200 [www.securistyle.co.uk](http://www.securistyle.co.uk)

enq.321

## Yale Door and Window Solutions

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## news blog

The ADF news blog is accessible from your Mac or PC, laptop, mobile or tablet at any time of day. Its interactive nature allows readers to comment and engage in discussions and social network sharing. The blog links to relevant articles and comment pieces from the national press, so there is no need to go hunting the internet; it's already been gathered and is regularly updated. Following the ADF news blog is now even easier when you subscribe to our daily digest email, a summary of the latest news stories straight to your inbox.

[www.adf-news.blogspot.co.uk](http://www.adf-news.blogspot.co.uk)

## Top-spec steel security doors from Sunray



Sunray Engineering, based in Ashford, Kent, has designed, manufactured and installed high specification steel security doors and louvers, to rigorous LPS 1175 specifications, to protect commercial, industrial and government premises throughout the UK and overseas for almost 30 years. Constantly investing in product development, all products are independently tested and validated by the Loss Prevention Council and certified to withstand a sustained attack to Security Rating 1 through to 6. With an established client base, each order is bespoke in terms of manufactured size, lock-options, fittings and colour, and typically delivered in around four weeks.

enq.323

## Yeoman Shield's next generation website



Yeoman Shield, one of the UK's market leaders in the supply and installation of wall and door protection products, has got 2013 off to a flying start by launching a brand new website: [www.yeomanshield.com](http://www.yeomanshield.com). Designed to provide its growing customer base with an easy to navigate, interactive site, the new website is packed full of details on Yeoman Shield's wide range of products, case studies and technical details. Yeoman Shield's sales director, Stuart Russell, said: "Our 'next generation'

website has been specifically designed to enable visitors to easily access all the relevant information they require and also download literature or request a hard copy of our brochure. The site will be constantly updated."

enq.324



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enq.325



## TOMORROW'S SMART:HOME

### Charity Networking Event

In aid of the  
Architects Benevolent Society

Sponsored by the Eco Technology Show and in association with the British Homes Awards and the Building Centre, netMAGevents is delighted to announce a networking event to be held at the Building Centre, 26 Store Street, London. Join us on the evening of Thursday 28th February 2013, 18.30 - 21.30.

Please contact Lesley Mayo on [lesley@netmagmedia.eu](mailto:lesley@netmagmedia.eu) for further details and visit: <http://netmagevents.eventbrite.co.uk/> for tickets



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Devonshire House is a regeneration of the old Sue Ryder Foundations charity headquarters, Cavendish, Suffolk. Formed from the timber framed 16th century Old Rectory, it has subsequently had numerous extensions. Semi-detached bungalows and a detached bungalow, have been connected to the Old Rectory via a beautiful hardwood conservatory, created and installed by **Quayside Conservatories** of Beccles, creators of hardwood conservatories for nearly twenty years.

enq.302



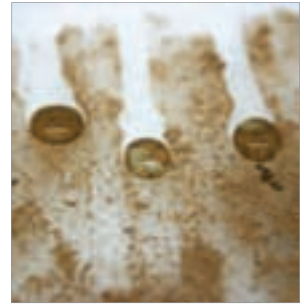
**Franklins** are a leading retail arm of one of the UK's largest composite window manufacturers. If you have seen them at any shows you may agree with the many visitors who call in at the end and say 'they are the best composite windows we have seen'. Each project is designed to your needs. Composite window, doors, frames and glasshouses by Franklins gives you the benefits of aluminum and the beauty of wood. Aluminum is easily maintained and is almost unaffected by the weather.

enq.301



**Simonswerk's** award winning, fully concealed Tectus hinges, were fitted throughout the Olympic Village venue and provided perfect door alignment and a flush fitting clean line design. Created for safety, with minimum pivot gaps to prevent finger injury, these maintenance free, 3D adjustable hinges were an ideal solution for this prestigious global project. Tectus hinges (pictured) are available in an unrivalled range of high quality surface finishes and size options.

enq.328



**Slimlite Double Glazing**, the original patent innovator of the very slim double glazed units with small 5mm perimeter edge seal for fitting into most single glazed windows, has now introduced another innovative technology aspect to Slimlite for the external glass. The self cleaning action refers to the ability of a nanostructure invisible coating applied to the glass a few atoms thick, which forms a permanent covalent fused bond to the glass, giving the surface hydrophobic properties.

enq.330

## Comar 7P.i folding sliding door system



**Comar Architectural Aluminium Systems** are delighted to launch their thermally broken Comar 7P.i Folding Sliding Door (FSD). Smooth operation and solutions to meet the design brief, the aluminium Comar 7P.i Folding/Sliding Door (FSD) system offers a myriad of possibilities for commercial or

residential projects. Comar 7P.i FSD provides a versatile moveable wall that allows space and light into any project. Even in the winter months the glazed façade offers light as well as keeping the building insulated through the trade-marked Comar 7P.i thermal break technology. Due to the trade-marked P.i thermal efficiency U-values are well below the required Building Regulations targets.

020 8685 9685 [www.comar-alu.co.uk](http://www.comar-alu.co.uk)

enq.326

## Crittall Windows brings its heritage to life



Architects, specifiers and designers will soon have access to a unique historical record of **Crittall Windows** and its contribution to the industry over the past 160+ years. The Essex-based company has teamed up with Braintree District Museum Trust Ltd and Braintree District Council to create an internationally significant

archive of its long history, which spans three centuries. The Crittall Windows Archive will provide industry specialists with access to a collection of over 2,000 documents, catalogues and photographs charting the evolution of Crittall from its origins as a local Braintree ironmonger to a global window manufacturer.

01376 530800 [www.crittall-windows.co.uk](http://www.crittall-windows.co.uk)

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**Slimlite Double Glazing** the original patent innovators of the very slim double glazed units with small 5mm perimeter edge seal for fitting into most single glazed windows have now introduced another innovative technology aspect to Slimlite for the external glass.

The **self cleaning** action refers to the ability of a nanostructure invisible coating applied to the glass a few atoms thick which forms a permanent covalent fused bond to the glass. This has the effect of changing the glass surfaces from 'Water Loving' to 'Water Hating' or from Hydrophilic to Hydrophobic.



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## Premium wood protection from Remmers



Whether skin or wood – protection is important and what counts is the sun protection factor. **Remmers** have developed a new product called Long Time Stain UV that provides considerably better and longer lasting protection from UV-Rays that destroy wood. Whether fences, facades, windows and shutters, doors or garden

furniture, the solvent based, medium solid, translucent coating is designed for universal use on wood outdoors and is a joy to apply. It is drip inhibited and therefore makes overhead work a lot easier. The silk gloss finish repels soil, is easy to maintain and, as the name indicates, the coating protects for a long time.

0845 373 0103 [www.remmers.co.uk](http://www.remmers.co.uk)

enq.215

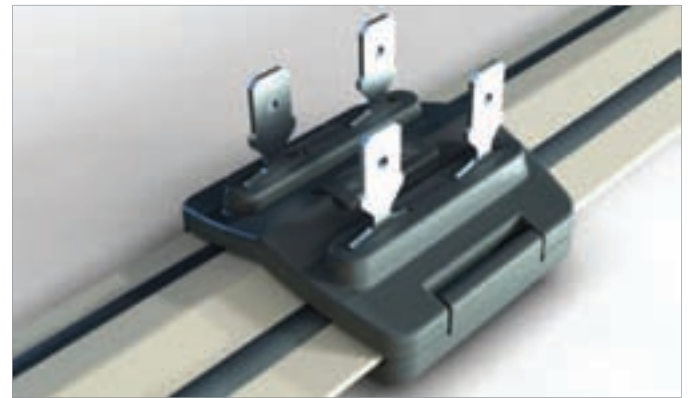
## Aquarian Cladding partnership agreement



**Aquarian Cladding** has announced a partnership agreement with Michelmersh Brick, which will see Michelmersh as the sole UK provider of stock bricks for the Gebrik insulating brick cladding system. The partnership brings a number of stock brick finishes to the Gebrik range, all carefully selected for their

superior quality, appearance and technical specification. Finishes now includes First Quality, Selected Dark and Danhill Yellow facings from Michelmersh's Freshfield Lane brickworks, and Hampshire Red, Sussex Red and Victorian Red handmade bricks from its Charnwood factory. The first Gebrik project to feature Michelmersh stock bricks has been completed, being used for the refurbishment of Isabella Court in London by developer Henley Homes.

enq.216



## Proof buildings against birds discreetly

Architects dedicate years to creating beautiful buildings, ensuring that every detail is considered and perfected, guaranteeing the integrity and aesthetic of the building for all to enjoy. Yet within months of completion, pest birds can cause damage and debris to accumulate, with unsightly retro-fitted spikes often chosen as the solution. Ultra discreet at just 8mm high and available in two colours to blend with most substrates, Avishock™ is designed for specifiers. Almost invisible at any distance, it is suitable for a range of applications where a discreet method of bird control is a must. The durable UV stable PVC base prolongs track life and side 'wings' improve water displacement, making it ideal for buildings exposed to even the most hostile environments. The flexible track can be fitted around even the most complex of shapes with speedy snap fit connectors. Contact **P+L Systems** for a free sample kit.

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enq.217

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## A Platform For Architecture

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# Urban ruralism – the necessity of the future

As development densities increase, together with the environmental demands, brown roofs, green roofs & living walls are becoming a vital ingredient, say experts ANS Group



## Green roofs

Providing amenity space, creating habitats for nature and reducing the temperatures in the urban areas known as the heat island effect, green roofs also slow down the rate of water run-off, helping to reduce the risk of flooding together with CO<sub>2</sub> reduction.

Brown roofs consist of a proven recycled growing media with high water holding capacity meaning you do not need to irrigate as such. These can then be left to either colonise naturally or be over sown with a specific selection of wild flowers or plug plants.

Green roofs can be intensive, providing the widest range of uses including amenity use or landscape designed roofs. Semi intensive roofs provide a degree of access and the potential for the creation of habitat. They can be introduced to areas that have a lot of hard landscaping, incorporating other features such as seating, bird boxes and bird tables. Extensive roofs are relatively light weight and demand low levels of maintenance. This type of roof mainly consists of sedum plants into a porous growing media. Whichever type of green roofing is proposed, the following is achieved:

- Reduces heat by adding mass and thermal resistance value

- Reduces cooling loads on a building by up to 90 per cent – a concentration of green roofs in an urban area can even reduce the city's average temperatures during the summer
- Natural habitat creation
- Filters pollutants and carbon dioxide out of the air, which helps lower disease rates such as asthma
- Helps to insulate a building for sound; the growing media helps to block lower frequencies and the plants block higher frequencies
- With green roofs, the water stored in the substrate and the water retention system is taken up by the plants from where it is returned to the atmosphere through transpiration and evaporation
- Green roofs not only retain rainwater, but also moderate the temperature of the water and act as natural filters for any of the water that happens to run off.

The installation of green roofs is important to long term success of the environment asset. On completion of all waterproofing, your green roof is installed with the following:

- Protection fleece on top of waterproofing
- Water drainage and retention mat
- Approved green roof growing media, spread to recommended depth suitable for the type of roof to ensure longevity
- Planting in accordance with the type of roof

The plants are selected accordingly to the proposed location where wild flowers can be chosen as indigenous to the local area. The alternative option for an extensive or semi intensive green roof is to install a modular system. This method provides a fully established planted green roof on the day of installation. The key facts being:

- Self install – can be installed without previous horticultural or professional experience, no training needed
- Lightweight – the green roof modules can be easily lifted and located by one person (65kg m<sup>2</sup> saturated weight)
- Pre-grown – is delivered on pallets fully established, for an instant green roof
- No irrigation – the roof will retain 75 per cent of rain water and will not require an irrigation system
- 4-in-one system – all the requirements for a green roof in one living module



- Modular – can be easily lifted for maintenance purposes; the individual modules provide great flexibility.

As an added feature, bird boxes, bat boxes, bee hives etc can be included, all helping towards a greener approach.

#### Living walls

Living walls are constructed using a modular planting method, which enables the module to be planted to a designed planting layout. Such systems are grown off-site in horticultural houses and established before being delivered to site creating an instant impact.

Living walls provide for urban ruralism contributing to an existing need for habitat and planting in proposed development zones.

The installation of vertical planting donates to the ever increasing demands of a sustainable greening policy and urban rating. An irrigation system is a must. Living walls provide the following benefits:

- Provides sound absorption
- Softening of the city image
- Biodiversity in the urban area
- Breeding and nesting possibilities
- Offsets carbon footprint
- Air purification to improve local air quality by using a selection of native & ornamental planting that are pollution tolerant

- Plants help to add oxygen to the air reducing industrial contaminants
- Utilises rainwater harvesting at source
- Ongoing watering assists with the reduction of global warming through an increase in evaporation levels.

As we progress, whether it be a green roof or a living wall, we will witness it coming to the fore in design through to installation to live on as urban rural asset which is vital to contributing to today's demands.

enq.219

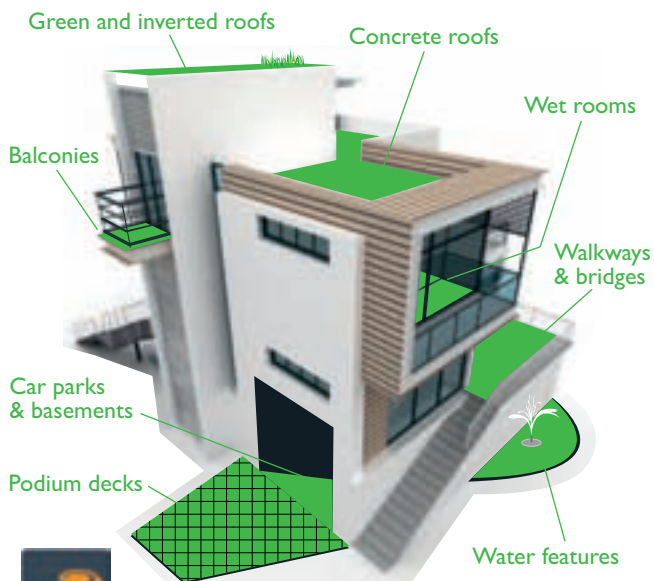


*'Reduces cooling loads on a building by up to 90% – a concentration of green roofs in an urban area can even reduce the city's average temperatures during the summer'*

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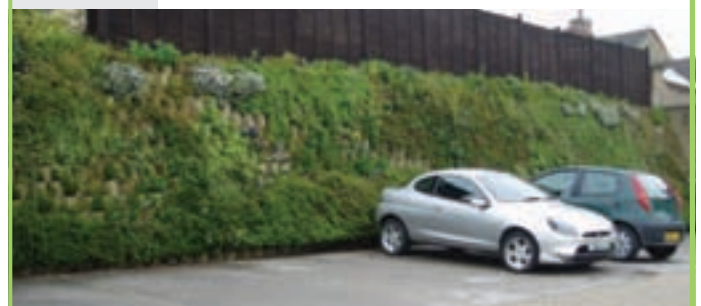
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## Rainline - the sustainable solution



The Rainline steel gutter and downpipe system, from **Lindab**, is a sustainable, high performance, cost effective solution for the control of rain drainage. Manufactured from high quality steel; Rainline is competitively priced to ensure that it won't compromise budgets or sustainability requirements.

Rainline offers minimal thermal movement and UV stability. It will not crack, fade, blister or peel, is highly resistant to corrosion and virtually maintenance free. Available in 10 high build polyester colours, including an exciting Steel Metallic finish, all of which are guaranteed for 15 years, Rainline is also available in a natural copper and Aluzinc.

enq.222

## Non-combustible cladding panels



**ROCKPANEL**® has launched a new cladding range manufactured to comply with European Fire Classification level A2-s1,d0. The 'FS-Xtra' grade cladding ensures that designers and building owners can benefit from the unrestricted design freedom offered by the **ROCKPANEL**® range, even in the most challenging locations where fire safety and performance requirements are particularly demanding. The 'FS-Xtra'

grade will be available in a wide variety of **ROCKPANEL**® designs from March. This is the first time façade boards with such a broad design range have been made available in the European market in a non-combustible grade.

01656 863210 [www.rockpanel.co.uk](http://www.rockpanel.co.uk)

enq.224

## Natura creates super school

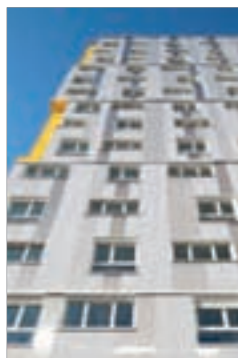


**Marley Eternit** fibre cement Natura has been used to clad the new £35million BREEAM 'Very Good' St Catherine's Academy and Firwood High School in Bolton. Sheppard Robson specified fibre cement Natura in three different shades of grey to create a contemporary and durable emulation of traditional stone work on the new 'super school'

building. This appearance was further enhanced by fixing the Natura panels in a vertical configuration to add a contemporary twist. Natura's through coloured material allows the texture of the fibres to show through, offering a unique visual appearance that helped create an appealing and dramatic facade.

enq.223

## Danpalon fully vented rainscreen system



The **Danpalon** fully vented rainscreen system is something fresh and innovative for the industry. It is a vented wall that is attractive and technically superior; a translucent day lighting system with a large choice of colours and finishes including anti-glare. It is easy to install and cost effective, does not require face fixings; is ultra lightweight and can support standard panel lengths of up to 12m. A new opaque range of panels is available on request.

01858 468 323 [www.danpalon.co.uk](http://www.danpalon.co.uk)

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## Marley Eternit; clay plain tile experts



With strong evidence that the specification of clay plain tiles remains robust, **Marley Eternit** appreciates the importance of continuing to support the marketplace with a strong all-round proposition. As well as a myriad of design-led options that support the architectural and specification vision, the need to satisfy environ-

mental concerns and deliver a product that offers a sustainable future is central to Marley Eternit's clay plain tile market commitment. Backing up the spectrum of product options, the company continues to invest in the strongest technical service support available to the industry. An extensive range of online tools and services can provide immediate access to important information.

enq.230

## Kawneer does business at Brunel



The entire range of architectural aluminium systems from **Kawneer** feature on the new £32million flagship entrance to Brunel University. The supplier's AA\*100 curtain walling was used as a mullion-drained picture-frame system at either end of the atrium and the main entrance as well as the

stair cores, while the same system, but capped, was used as rooflights either side of the top of the atrium. The curtain walling was complemented by AA\*541 top-hung casement windows, and series 190 heavy-duty and 350 severe-duty commercial entrance doors and AA\*605 low/medium-duty swing doors.

01928 502500 [www.kawneer.co.uk](http://www.kawneer.co.uk)

enq.232

## Senior's 'NBS Plus' registered



**Senior Architectural Systems** is now integrated into the NBS Product Specification Service under Section L10. Allowing specifiers to select registered manufacturers' products, NBS Plus offers a quick and effective way of completing specification clauses using Senior's extensive range of fenestration systems. The wide range of windows, doors and curtain wall systems from Senior's are available in various material profiles which include, high performance thermally broken aluminium, 'Hybrid' – an aluminium timber composite profile system, and Senior's latest 'Fibre' system. These profiles are produced using the latest glass fibre pultrusion technology.

01709 772600 [www.seniorarchitectural.co.uk](http://www.seniorarchitectural.co.uk)

enq.231

## Dow becomes Passivhaus Trust member



**Dow Building Solutions** – manufacturer of STYROFOAM-A and XENERGY extruded polystyrene (XPS) insulation – has become a member of the Passivhaus Trust in recognition of the role its products can play in Passivhaus construction. The Passivhaus Trust is an independent, non-profit organi-

sation that aims to promote the principles of Passivhaus as a highly effective way of reducing energy use and carbon emissions from buildings in the UK, as well as providing high standards of comfort and building health. Passivhaus standard buildings retain heat created within them as well as generating passive solar gain, eliminating the need for central heating and reducing fuel costs.

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enq.234



## Intelligent solution to efficient ventilation

**Passivent's** new, intelligent approach to efficient continuous ventilation is proven to deliver 'Best Practice' for energy saving. The company's iMEV (intelligent mechanical extract ventilation) uses the established concept of continuous mechanical extraction, but takes it into the 21<sup>st</sup> century through the employment of the latest technology. A combination of humidity sensitive extracts and choice of control levels ensures that in domestic dwellings, apartment blocks or multi-occupancy commercial buildings (hotels, care homes, student accommodation), the system constantly delivers appropriate, adequate ventilation without detriment and with no excessive energy usage nor occupier input. Furthermore, regardless of operation rate, the system delivers best practice requirements as laid down by the Energy Saving Trust. Passivent iMEV delivers a 'whole house' approach, with ventilation remaining constant until relative humidity (RH) increases, when it automatically boosts airflow by up to 88 per cent.

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Gunning Tubular Radiators are compact, low level heating units combining high output with a modern 'Hi-Tec' appearance. They are suitable for use in conservatories, bathrooms and in front of glazed areas and where wall height is at a premium.

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36



60



12



105

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the heart of  
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Eurostove are exclusive UK importers and distributors of WESTFIRE, SAEY and ORANIER woodburners and multifuel stoves. As well as a selection of other quality brands of wood boilers and cookers, Eurostove also manufacture MENDIP stoves.

The range offers a wide choice of distinctive styles from traditional to contemporary to warm the heart of any home. To find out more including your nearest dealer, visit our website or call to speak to an advisor.

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enq.239

## Eco Lodge uses Polypipe Heat Recovery



Mill Meadow Eco-Homes, a luxury, self-catering, eco lodge holiday development, has opted for Polypipe Ventilation's Heat Recovery and Domus Radial Duct System for its latest property. Mill Meadow provides bespoke, high-end holiday properties to rent or buy. Flycatcher, the latest Mill Meadow property in development, is being installed with

a Polypipe mechanical ventilation with heat recovery (MVHR) appliance ducted using a Domus Radial System. Chris Heayns, Managing Director of Mill Meadow, specified Polypipe's MVHR and Radial duct system because of its environmental benefits and the ability to work within the unusual timber structure.

enq.240

## Horizontal Sentinel Kinetic MVHR launched



Vent-Axia has recently added a horizontal range to its popular series of Sentinel Kinetic mechanical ventilation with heat recovery (MVHR) solutions. Part of the company's innovative Lo Carbon™ initiative, the new horizontal

range boasts depths as low as 200mm making the units ideal for installation in shallow ceiling voids and thus attractive to developers requiring solutions to reduce building heights. Manufactured in the UK, the flexible Sentinel Kinetic Horizontal is a whole house heat recovery system. Eligible for SAP Appendix Q, the range combines supply and extract ventilation in one unit.

0844 856 0590 [www.vent-axia.com](http://www.vent-axia.com)

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# SE Controls helps provide the perfect environment at Audi Leicester

Sytner Group's state-of-the-art Audi dealership in Leicester is using advanced natural ventilation technology from SE Controls to ensure that a comfortable environment is maintained for its customers and staff.

As part of the energy efficient design, the dealership uses natural ventilation to ensure the carbon dioxide levels and temperature are managed effectively within the entire building to create a comfortable environment for staff and customers within the large open plan showroom, as well as for its technicians in the pristine workshops.

SE Controls supplied, installed and commissioned the complete natural ventilation system, which involved the supply of two SCCO Schuco 500mm stroke chain actuators and a precision OS2 controller to provide automatic operation of the sloping vents in the showroom atrium. Manual operation of the vents also formed part of the

showroom system, operated by tamper-proof key operated switches.

Audi Leicester's workshop area is split into six separate areas, each with its own localised ventilation, control and manual override system. To actuate the Schuco AWS 55 vertical vents, SE Controls installed 18 of its new 24 Volt SECO 24 40 N chain actuators together with six OS2 controllers and key operated switches to give accurate and flexible control over the system.

SE Control's project manager, Darren Wainwright, explained: "The strength of the natural ventilation solution at Audi Leicester lies in its simplicity, versatility and effectiveness. By using well designed vents in the showroom and workshops, coupled with our energy efficient actuators and OS2 controllers, the overall system not only provides effective ventilation and temperature control, but also allows a high degree of flexibility in its operation, particularly in the workshops."



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# CLEARVIEW STOVES

Britain's leading manufacturer of clean burning wood stoves

## 6 GOOD REASONS TO USE A CLEARVIEW STOVE



### 1. Clearview Stoves are the best

Clearview have been designing and manufacturing wood-burning stoves since 1987. They were the first company ever to have a multi fuel stove approved for burning wood in smokeless zones and since then have continued to set the standards that others aspire too. Many people consider them to be the best in the world.

### 2. Clearview Stoves are efficient

A Clearview Stove is over 70% efficient while most open fires are only 10% efficient. A Clearview in the living room keeps you warm and cosy in the place you spend most of your time.

### 3. Clearview stoves are a joy to use

There is nothing quite so elemental as the log fire, nothing that excites the imagination like its flames. It's one of life's little pleasures. A Clearview Stove offers an exceptional view of the fire, is easy to light and burns for long periods unattended.

### 4. Wood is a renewable fuel that's good for the environment

During their lifetime trees absorb carbon dioxide from the atmosphere, provide food and shelter for wildlife and add beauty to our lives. Burning wood releases no more CO<sub>2</sub> than would its eventual decay. Simply put, burning wood just warms you, not the planet.

### 5. Wood and Clearview put you in control

The huge, centralized, energy companies can be unreliable. When a storm interrupts the electrical supply, you can be left stumbling around in the dark with no heating to speak of. However, a Clearview wood stove is 100% reliable and keeps you safe, and warm during a power-cut.

### 6. Wood saves you money!

We almost forgot to mention it, but for many, wood is the cheapest fuel you can use. Best of all, it grows on trees!



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# This is the time to specify electric heating

There's something of a renaissance for electric heating taking place across the UK, and many architects are seriously considering electric heating as an option in new build; particularly in refurbishment projects where the installation time and costs – as well as on-going heating bills – can be lower than with traditional wet heating systems.

In many older building refurbishments, and conversions of buildings to residential usage, not having to install complex pipework can make a huge saving to the project costs. Also, with the advanced and extremely flexible wireless controls that come with the latest electric heating systems, electric is often the most viable option you can consider.

Now that controlled electric heating is as inexpensive or even less expensive to run than oil or gas heating, it's not surprising that so many specifiers are turning to electric space heating – especially when they can source a wide range of products including low surface temperature products for schools and care facilities, fan assisted heaters for places that need rapid warm up, and a range of clever RF controls. It's strange that it was not so long ago that the phrases 'energy saving' and 'electric heating' would not have been heard in the same breath, but now, because of the lower cost of installation and the highly controllable nature of electric heating, it's not just a concept, it's a reality.

The joy of the modern range of offerings, including those from **Ecolec**, is the simplicity of installation, compared to the time and effort involved in installing a wet system for example. They come complete with easy to fit hanging brackets and can be fitted pretty much anywhere. Ecolec even has a range of radiators with angled edges that fit perfectly into the corner of a room.

However, it's the controllability of electric heating that makes it such an attractive option in today's marketplace. Ecolec firmly believes that the primary carbon footprint of our homes and

properties can be reduced by installing properly controlled electric heaters. To achieve this, heating times and temperatures must be managed well, with different zones independently controlled. In addition, Ecolec claims to help reduce the secondary carbon footprint by using local suppliers, using 100 per cent recyclable steel in the manufacture of its products, by avoiding the use of any toxic materials in the radiators and controllers, and by supplying heaters that can be repaired even after 15 years of use.

Ecolec is believed to be the only UK manufacturer to repair and refurbish existing radiators.

Chandru Ray, managing director of Ecolec, says: "We are providing heating systems for new build developers and for refurbishment projects that can be installed by a locally based NICEIC electrician more quickly and using far less components than would be required for a plumber-installed wet system. Our products are slimline products that can easily be installed in difficult to access areas of a home; in hallways, in bathrooms and in small rooms or alcoves where installing a wet system radiator would be a nightmare."

The Ecolec range is impressive and extensive and can be accessed via the company's website. The company offers



cost effective, radiant electric heating that provides heat and comfort where you need it. The Ecolec radiators respond rapidly to demand for heat, reaching the required temperature in minutes, yet the company offers a range of products that meet the different requirements of a range of end uses, with pre-set temperature ranges; 70°C for its standard range, 55°C for its 'safe to touch' and 43°C for its range that meets the strict requirements of the NHS low surface temperature standards.

All these products are current and available but more development work is going on for new products that make radiant electric heating an exciting option for the future: heated glass walls; electric radiant heating concealed in the wall fabric so you don't need radiators at all; heated room dividers that allow workers to control the heat for their individual work stations; further work on controllers and timers – these are exciting times for electric radiant heating.

**Call Ecolec now on 01902 457575 or  
email [sales@ecolec.co.uk](mailto:sales@ecolec.co.uk).  
For more information, visit [www.ecolec.co.uk](http://www.ecolec.co.uk)**

enq.246

## Unique Aeroflow electric radiator



Electrorad® is the sole UK supplier of the unique Aeroflow electric radiator. Internally the radiator has multiple 100 per cent energy efficient electric elements embedded in fireclay heat plates. The fireclay acts as a heat transfer medium to ensure an even temperature across the whole of the radiator surface. Each side of

the heated core are convection flutes designed to draw the colder air from the floor level and supply the warmed air into the room. Radiant and convection heat are produced to give the ideal mix and ensure the highest levels of comfort. Each radiator has a built-in electronic room thermostat and programming system.

0844 479 0055 [www.electrorad.co.uk](http://www.electrorad.co.uk)

enq.247

## Delivering at the cutting edge



The SOLOLIFT2 range of macerators from Grundfos has recently had another lift. The family comprises of just five models that, through the flexibility of their design, their adaptability and performance, provide the solution to handling wastewater for any combination of WC, bidet, sink, shower and

washing machine. The modular design of the new Grundfos SOLOLIFT2 means that servicing can normally be achieved in situ without the need to drain down the system. Importantly these new SOLOLIFT2 models are not only suitable for new installations but also for replacing any existing macerator unit.

01525 850000 [uk.grundfos.com](http://uk.grundfos.com)

enq.249

## Rob Fawkner joins TROX UK board



TROX UK has appointed Rob Fawkner to the board as production director. Rob, a chartered engineer, assumes responsibility for leading, developing and improving the production operation and supply chain. His role also encompasses growing TROX Group turnover and profitability in the UK as the company continues to expand its regional sales support network. TROX UK's managing director, Ian Sams, commented: "As an

extremely experienced director, who has worked at senior level for more than a decade in a world class manufacturing environment, Rob has the depth and breadth of experience to take TROX UK to a new level. It gives us great pleasure to welcome him to the TROX team."

enq.248

## Cutting edge electrical units



Always ahead of the competition, Office Electrics designs cutting edge electrical units for the office, classroom, university, hospital, hotel and home. Its current range offers an array of on-desk, in-desk, and under-desk units suitable for countless different circumstances. The company's experienced design team are always on hand to offer

consultation and, if required, complete custom solutions to give the customer exactly what they need. Its latest designs; the Pluto and Pixel, offer the best in design aesthetics and functionality giving excellent service, quality and safety.

01924 334 014 [www.office-electrics.com](http://www.office-electrics.com)

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## Flexibility is key to efficient lighting control



Dynamic companies embrace flexible working techniques to keep them ahead of the game. In an age of flexitime and hot-desking, work stations within open plan office areas constantly alter in size and location to meet the changing business needs of the company. However, experience

has shown that often changes in work group patterns are not automatically followed by changes in lighting. Comprehensive energy audit, servicing and maintenance services are now available from Ex-Or to help companies to achieve optimum efficiency from their lighting systems in order to solve these issues.

01942 719229 [www.ex-or.com](http://www.ex-or.com)

enq.253

## Next generation in integrated LED downlights



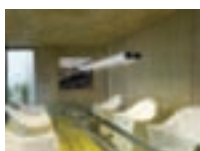
Scolmore has launched the industry's most sophisticated integrated LED downlight to date: one that will provide contractors and installers with a high light output, high performance product that can be fitted into the shallowest of ceiling voids. Inceptor is a fire-rated, integrated LED downlight with pre-wired driver and flow connector. Unique to Inceptor is the innovative flexi-driver element, which means it can be fitted into a recess depth of just 60mm - making it one of the most flexible fittings

currently available. Scolmore has integrated its popular Flow Connectors into the product, which will make it quick and easy to install, as well as to remove and replace for the purpose of circuit testing.

enq.254

## MODERN LIGHTING SOLUTIONS

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enq.256



**Altread** is Safety Tread's range of highly non-slip insert strips and insert discs. Not only are they highly slip resistant but they also provide the capability of introducing a different design element to your staircase.

The **Definer** range was specifically developed with DDA in mind. The non-slip areas are filled with Safety Tread's Carborundum, a product that gives you and your visitors peace of mind as it offers some of the highest non-slip properties available in the market place for dry, wet and greasy conditions.

The **INTREAD** range of profiles has been designed for general-purpose use on interior stairs. There are many profiles available for this use, however this is the only product currently available that has been filled with Carborundum on the tread, instead of PVC or rubber.

**Glo Tread** allows your interiors/exterior stair nosing or insert strip/disc, to illuminate for over 12+ hours after being exposed to a light source for only 10 minutes and requires NO ELECTRICITY!



The **Glo Tread** product is a highly luminous material that also offers exceptional slip resistant properties. It can be used in any of our aluminium profiles and can be combined with Carborundum colours from our standard colour range.



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**Sales: 01202 625596 [www.safety-tread.co.uk](http://www.safety-tread.co.uk)**

enq.257

## Hamilton expands Eurofix range



Decorative electrical wiring accessories, audio and lighting controls manufacturer **Hamilton Litestat** has extended its Eurofix range, which offers complete flexibility for British and European overseas projects where a range of international appliances may be used, such as hotels. Eurofix plates contain European style

apertures into which the various inserts can be clipped, yet are fitted in the usual way into British Standard wall boxes. New inserts for 2013 include universal, USA (NEMA) and European (schuko) sockets, and a USB charging point, which join the existing range of AV, data, TV, satellite and hotel card switch inserts.

01747 860088 [www.hamilton-litestat.com](http://www.hamilton-litestat.com)

enq.258

## Jaymart's Big 5 logo mat



Family-owned **Jaymart Rubber & Plastics** produces specialised aluminium entrance matting systems for commercial projects worldwide and were recently showcasing their prestigious ranges in Dubai at the Big 5 exhibition. A very special logo mat was produced for display. Sales director, Paul Macfarlane, said "We offer bespoke matting

systems that are created for a specific installation. Our entrance mattings focus on dust and sand removal for the Middle Eastern market and dust and water removal for the European market, so that they do not get trafficked into the building. Our products have been tried and tested, and come in any shape and size from traditional rectangular to circular".

enq.259





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enq.261



## Sophisticated additions to Metropole range



Silent Gliss is introducing some sophisticated and stylish new additions to its popular Metropole range: Groove and Shard, two new finials that will add a touch of elegance. Groove Ball is contemporary with a twist of tradition; the Groove Cylinder of finials successfully adapts to both styles. The Groove Cylinder is

simple yet stylish. Clean lines combined with design detail. Both options are available across a wide range of sizes and colours. Clean lines of glass form the basis of the Shard range. Choose between a sharp clear design or select a more eye-catching and unique appearance with the etched glass option.

01843 863 571 [www.silentgliss.co.uk](http://www.silentgliss.co.uk)

enq.262

## Tile cracked floors with Nicobond D-Mat 3L



N&C Nicobond has introduced to the tiling market Nicobond D-Mat 3L, a revolutionary decoupling mat and anti fracture membrane for the secure fixing of tiles and natural stone onto problematic substrates. Tiling to cracked floors

or green screeds can cause damage, resulting in costly tile installations to fail. The use of Nicobond D-Mat 3L prevents the transfer of stresses between the substrate and the tiled surface as it separates the floor covering from the substrate acting as an uncoupling membrane to neutralise the deformation or cracks in the substrate. Nicobond D-Mat 3L is waterproof, load bearing, equalises vapour pressure with impressive adhesion performance due to its fleece surface.

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## Watco launches Flexitop floor coating



Watco is launching Flexitop; an advanced polyurethane self-smoothing high build floor coating, ideal for use on concrete floors that are subject to vibration, expansion and contraction. Easy to apply with a trowel, Flexitop will smooth out easily to provide a first class,

durable, chemical resistant surface. Cracks and holes can be covered in the same application as Watco Flexitop can cope with movement and vibrations. One coat is usually sufficient and will cover from 1.17m<sup>2</sup> (at 6mm) to 7m<sup>2</sup> (at 1mm). Watco UK Ltd is a leading UK Direct supplier of building repair and maintenance solutions. ISO 9001 certified since 1995, Watco is fully committed to providing high standards of quality and service.

enq.266

## Ellis Furniture launches new iPad App



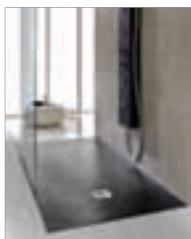
Ellis Furniture has launched a unique App for iPad and web browsers that allows you to create a dream bathroom on screen. Available free via the Bathroom Styler App and website, this program is set to be of huge benefit to interior designers and architects. You can create styles and images for interior styling and mood boards to share

with your customers, offering plenty of scope for a variety of designs that can be created quickly and effortlessly. With instant HD on screen visuals, selecting a final design for a dream bathroom has never been more accessible, or more fun.

01484 514 212 [www.bathroomstyler.co.uk](http://www.bathroomstyler.co.uk)

enq.267

## JTSoftStone set for a momentous year



After a successful product launch in 2012, the JTSoftStone is set for a momentous year as leading bathroom innovator JT and distributor Cooper Callas reveal sales have significantly exceeded expectations for the revolutionary aqua cushion floor. The JTSoftStone is a first for the UK market; a soft touch shower floor, featuring an aqua cushion, non slip surface. The ultimate in luxury showering, the JTSoftStone will add a new dimension to any home with its contemporary

premium slate effect finish. The product has been a popular hit with showrooms and consumers alike, with sales coming in 40 per cent more than predicted.

0844 257 72 53 [www.just-trays.co.uk](http://www.just-trays.co.uk)

enq.268

## Hansgrohe – Axor Starck Organic



The new Axor Starck Organic bathroom collection combines unique design with a responsible way to handle water. Developed by Axor, the designer brand of Hansgrohe, and Philippe Starck, the organic-minimalist design and harmonious lines, reminiscent of shapes we see in nature, characterise Axor Starck

Organic and give the collection an exciting, powerful and sculptural immediacy. Two handles, which separately control water volume and temperature, blend in visually with the body of the mixers. No matter what position the handles are in, they reflect a perfect image and use just 3.5 litres of water using a new spray type which consists of 90 individual outlets to produce countless gentle drops of water.

01372 465655 [www.hansgrohe.co.uk](http://www.hansgrohe.co.uk)

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# Our understanding is your knowledge



For over 25 years, Gainsborough Specialist Bathing has diligently designed, installed and supported one of Europe's leading range of specialist assistive baths for all care environments. With an understanding for the requirements of designers and specifiers, Gainsborough hi-lo powered and assistive baths deliver exceptional quality, value, ergonomics, safety and aesthetic design for both users and carers.

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# Designing in the right water services

As part of cross connection and backflow prevention all industries wishing to carry or receive water from the public mains water supply in the UK and who are likely to be carrying infection have to comply with the Water Supply (Water Fittings) Regulations or Scottish Byelaws – it is a criminal offence not to. This affects buildings like laboratories, care homes, veterinaries and hospitals. Experts at Miele give advice on compliance when designing in the water services for these types of buildings

## The Water Regulations Advisory Scheme (WRAS)

The Water Fittings Regulations are national requirements for the design, installation and maintenance of plumbing systems, water fittings and water-using appliances. Their purpose is to prevent misuse, waste, undue consumption or erroneous measurement of water and, most importantly, to prevent contamination of drinking water.

They replace the former Water Supply Byelaws, which each water supplier has administered for similar purposes for many years. It is important that architects know about and understand WRAS regulations, especially if recommending products to be used in commercial settings such as care homes, or veterinary practices.

As designers and architects of buildings and their internal and external water services, it is important that the Water Byelaws are taken into account when considering plumbing systems and installations.

When designing internal systems, there are a number of publications, which should be referred to for guidance and practical examples. These include:

- Water Byelaws 2004 (Scotland only)
- Water Regulations Guide
- BS 6700 : 1997 "Design, installation, testing and maintenance of services supplying water for domestic use within buildings and their boundaries"
- BS EN 806-2: 2005 Part 2 "Specifications for installations inside buildings conveying water for human consumption".

## Category 5 fluids

The main category that you will need to know about is WRAS Category 5 fluids. These are fluids that WRAS see as carrying a significant health risk. This means that if you are designing a nursing home, veterinary practice or another facility that needs to wash uniforms, fabrics and bedding that have been soiled, then you need to make sure that the washing machines or plumbing being suggested comply with WRAS guidelines.

To comply with WRAS guidelines, the washing machine or plumbing must provide adequate back flow protection to ensure that wastewater cannot flow back and contaminate the fresh water supply.



## Preventing Backflow

Backflow occurs when flow in a water distribution system within the premises is reversed, thus creating the possibility of drawing in contaminated water. Backflow can lead to degradation of the quality of the water supplied to other points in the premises and, in extreme cases, the public supply. The water byelaws require a type A air gap or an interposed cistern to protect against backflow at a point of use where 'backflow or backsiphonage is, or is likely to be, harmful to health by reason of a substance which is continuously or frequently present in the contaminated water'.

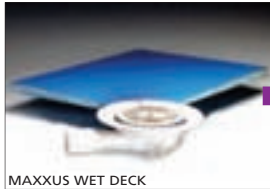
The risk posed by backflow can be mitigated through

*Continued on page 89...*

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enq.271



## Simple solution to total compliance

Growing numbers of commercial, municipal and retail establishments are responding to the need to be inclusive in their washrooms, reports **Total Hygiene**, suppliers of disabled toileting solutions. By law, adequate toilet and washing facilities have to be provided for employees/users and the needs of people with disabilities have to be considered. The introduction of BS8300: 2009, which sets out accessibility good practice for buildings to which numbers of the public have access is also having an impact, believes the company. "Commercially aware business people, and local government officials, are increasingly acknowledging the need to accommodate disabled people's requirements – through to going to the toilet when away from home," says Robin Tuffley, Total Hygiene marketing manager. Total Hygiene has already put in place a raft of options to help, being the only British company to offer in-house design advice, supply, install, commissioning and servicing, of disabled toilet equipment.

enq.272

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preventive and corrective measures. For example, preventative measures include the installation of backflow prevention devices and assemblies and formal programs to seek out and correct cross-connections within the distribution system and, in some cases, within individual service connections.

Using WRAS approved equipment is the best way to demonstrate compliance as it is granted directly by representatives of the water suppliers and is therefore accepted by every water supplier in the UK.

*'It is important that architects know about and understand WRAS regulations, especially if recommending products to be used in commercial settings such as care homes, or veterinary practices'*

#### How to check if a product is WRAS approved?

Where manufacturers have submitted materials, fittings or appliances to the voluntary WRAS approval scheme, those which meet the requirements of the Regulators' Specification

are approved by the Water Supply Industry and are endorsed as WRAS Approved Products. Provided they are installed in accordance with the regulations and any approval conditions, they can be accepted as complying without the need for further testing. WRAS Approved Products are listed in the Water Fittings and Materials Directory, published by WRAS.

#### Top tips for compliance (supplied by WRAS.co.uk)

1. Ensure that the location of the stop-value is known for isolating the water supplied to each dedicated work area and that there is free access to each value.
2. No pipe or fitting shall be installed in ground contaminated or likely to be contaminated by faecal matter or effluent.
3. Plastic pipes and fittings shall not be used in ground contaminated or likely to be contaminated by hydrocarbons (diesel fuel or petrol).
4. Ensure that the location of the water meter and its controlling stop-tap is widely known. Also, check the meter reading regularly, high readings can indicate a burst or leaking pipe or wastage.
5. Pipes located in roof spaces or plumbing ducts need to be insulated for frost protection and heat ingress. Pre-formed pipe insulation should be used. Extra insulation will be required to delay freezing from unusually prolonged low temperatures.



Miele's WRAS approved Little Giant washer-extractor PW6065



Go to [www.wras.co.uk](http://www.wras.co.uk) for more information on the scheme

enq.275

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enq.276



## Total-ly new approach to accessibility

Specification of accessible toilets, bathrooms and washrooms is now simpler and quicker than ever, through major technological changes at **Total Hygiene**. Britain's leading provider of disabled toileting solutions has completely re-worked its website - [www.clos-o-mat.com](http://www.clos-o-mat.com) - to optimise accessibility via all the latest media. Further, it has generated pages on key social media. As a result, whether using a mobile phone, tablet, laptop or PC, specifiers have a user-friendly site that is purpose-designed to deliver access to all appropriate information, and a means by which to keep up-to-date with new developments. The website's opening page itself gives an instant overview. At a click, tap, or flick, each individual sector is quickly downloaded and accessible, from individual product summaries via detailed technical installation, servicing and maintenance information, through to legislative and design guidance for more complex hygiene rooms and Changing Places toilets.

enq.277

## On the Level - complete flooring system

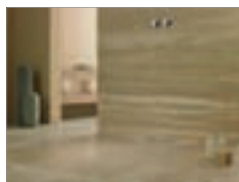


The complete flooring system designed by **On the Level** is an innovative made-to-measure interlocking concealed flooring system for wetrooms, which incorporates a bespoke showering area with a choice of waste position. Manufactured in the UK from 24mm birch ply, the system can cope with an applied load of 6.7kN, so it is suitable for wheelchair users. It is compatible with On the Level drain and grating designs, linear and square, and most types of floor construction including suspended timber floors and block and beam. Vinyl sheet flooring or a tiled wetroom floor are ideal for this system.

01525 373 202 [www.onthelevel.co.uk](http://www.onthelevel.co.uk)

enq.278

## Kaldewei - Xetis



Xetis, with integrated wall outlet, represents a new benchmark for modern bathroom architecture. Xetis espouses a clear, purist style with an outlet that sits discreetly in the wall so as not to disrupt the seamless surface. In addition to sleek Alpine white, the colour spectrum also includes the exclusive colours of the Coordinated

Colours Collection to combine harmoniously with wood or stone and create perfect visual continuity. **Kaldewei's** latest innovation provides bathroom designers with new aesthetic scope for design in floor-level shower areas and underlines Kaldewei's role as a pioneer and style icon in bathroom culture.

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## Glass tiles to fall in love with



Solus Ceramics introduces the exciting new Glassheart range; a luxurious and elegant glass tile that can be applied to both walls and floors. The tiles are individually hand crafted by master glassmakers, and feature a transparent glass cast with a vibrant colour transplanted beneath. The tiles have a smooth but rustic texture similar to that of set molten glass and offer a unique finish that is sure to inspire and delight.

The range comes in a number of shapes including hexagons and squares, and more unusual rounded shapes and arched pieces. Many different sized pieces are available including two hexagon options of 130 x 150mm or 260 x 292mm.

0121 753 0777 [www.solusceramics.com](http://www.solusceramics.com)

enq.282

## Design on film



Designers can now offer clients the opportunity to transform their existing furniture, walls and fittings by way of a dramatic makeover thanks to Interior Film from David Clouting Ltd. Manufactured by LG Hausys, Interior Film is a self-adhesive, decorative film designed for a wide range of interior applications. It's quick and easy to

install, and rooms or feature walls can be dramatically transformed in hours with minimum disruption. Interior Film can be applied to almost any substrate including wood, metals, plasterboard, plastics, painted surfaces and melamine and is available in a range of designs (Green Wrinkle featured) and finishes.

enq.284



## Circa casings for Liverpool University labs

Circa pre-formed and pre-finished plywood column casings from Encasement have been installed at Liverpool University as part of a £multi-million refurbishment and upgrading of its Donnan chemistry laboratories. Encasement's Circa casings are used extensively in the laboratory's ground floor café and multi purpose area to not only conceal existing features located around the perimeter, but also help provide a practical solution by their use as part of a high level table design built around existing structural columns in the centre of the café area. The eight perimeter column casings are 450mm diameter extended circles and incorporate 250mm flat panels on each side to provide an optimum solution to conceal the building's existing structure. While these casings are finished in purple Formica F6903 laminate, the nine 250mm diameter centrally located column casings are finished in a red Formica K2046 laminate with contrasting black collars and stand three metres high.

enq.286

## A quality range of fire safety signs



Signbox, the award-winning architectural sign specialists, have adopted the new European Normative EN 7010 standard for their new range of quality fire escape signs. In 2003, ISO 7010 was introduced and until now has been regarded as a 'best practice recommendation' with the UK continuing to adhere to its own BS 5499

standard. Commenting on the imminent arrival of EN 7010, Mark Bartlett, Managing Director of Signbox, said, "The new European Normative 7010 standard will make the current ISO 7010 standard part of health and safety law in every EU member state, and any premises required to display fire signs to convey safety information will be affected."

01784 438688 [www.signboxshop.co.uk](http://www.signboxshop.co.uk)

enq.283

## New guide to the best in emergency lighting



A new guide to one of the most comprehensive ranges of sign luminaires is now available from leading self testing emergency lighting specialists, P4 Limited. Focussing on the scope of very stylish but yet discrete LED sign luminaires to compliment any new or refurbished interior, LUMAsign by P4 illustrates and clearly explains all the key information and is ideal as a point of reference for architects, specifiers and installers. Packed with valuable specification information, it shows the variety

of colours, finishes and fitting options available from P4 luminaires to suit all building requirements and personal preferences. The guide will show how P4's products complement its innovative emergency lighting ranges.

enq.285



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# MediaCityUK relies on advanced access control from Salto

**M**ediaCityUK, one of the UK's largest construction projects, is using advanced contactless access control technology from **Salto Systems** to control security across the entire site.

"As a large commercial tailored access control system, the Salto XS4 and GEO solutions are ideal for MediaCityUK," comments Paul Carr, northern area manager of Salto Systems. "Working in consultation with the many stakeholders on-site, we designed a highly secure and flexible access control system to meet all of the security requirements."

"The advanced system design of the Salto data-on-card access control system allows end users across the site to control their buildings in almost real time through the Salto Virtual Network (SVN). This software allows the stand alone locks to read, receive and write information via their operating smart



cards. Data is captured from the cards at SVN online hot spots located at strategic points in the many buildings, which upload and download user related information that is then used to permit, control or deny access."

The XS4 handles, GEO cylinders, panic bars and wall readers control in excess of 500 doors spread across the

whole development. Other users include SIS (Satellite Installation Services) who have their own Salto solution but also have access to MediaCityUK's doors i.e. they carry access permissions on one card for two systems. This is the same for ITV who also run their own system.

Ramesh Gurdev, managing director, Salto Systems UK, says: "Key control was a major consideration from the outset of this project due to the size of the development and its future expansion potential, so a 'keyless' environment was an absolute prerequisite to control access and give MediaCityUK full control over their security requirements."

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enq.290



# New Moscow Raceway can host international motorsport competition

Completed in summer 2012, the new Moscow Raceway at Wolokolamsk, situated to the North West of Moscow, now resounds to the roar of high performance racing car engines, the screeching of tyres and the heady smell of racing fuel in the air. With its 15 curves and diverse range of layout options, motor racing at the new circuit will not just be placing maximum demands on the drivers, but will test the durability of the competing teams and their cars.

Responsible for the overall design of the new venue, the internationally renowned team of architects and civil engineers, Tilke based in Aachen, Germany, made the final decision to use Hauraton FASERFIX® Super high-performance drainage channels throughout the race circuit. Approximately 10,000m of these channels in nominal widths of 100, 150 and 200mm were installed at

the 4.07km long race track. The FASERFIX® channels with a loading Class of F900 meet all the demands of international motorsport competition. The circuit's drainage systems have been engineered with maximum safety and performance in mind. The Hauraton



Technical Support Team advised on the drainage channels and gratings to employ, and provided on-site help and guidance during installation.

All of the channels on the race circuit and pit lane had their ductile iron gratings bolted down. Interestingly, the

channels in the paddock area and in front of the team garages can be used as temporary cable ducts. Here, the ductile iron gratings are secured using the Hauraton boltless locking system SIDE-LOCK®, allowing communication cables to be installed, and subsequently removed, quickly and easily. For example, 10m of grating can be removed in about 90 seconds with just 70 seconds to replace all 20 covers.

The Moscow Raceway has been approved by the FIA and passed the inspection with flying colours. The circuit has been classified as 'Grade 2+1T', which corresponds with motor sport's highest level for a test track.



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# What to consider when specifying composite decking

Composite decking can provide architects with a fantastic solution for exterior flooring projects. The technology used has developed exponentially over recent times that some manufacturers can now provide a recycled decking product that won't rot, split, fade or stain and with guarantees that can extend to around 25 years. Marc Foster, manager at Arbor Forest Products Ltd offers advice on what to look for

**A**s well as a long guarantee, composite decking should only ever need an occasional wash down and will never need oiling, painting or staining. Manufacturers are not only producing functional and ultra-low maintenance decking but products with fantastic aesthetics guaranteed to look that way for decades to come.

As with timber decking there are various solutions available and many of these provide differing benefits. Here's a check list of some queries that you may wish to consider when specifying composite decking:

## 1 % of recycled material

Manufacturers offer products with varying levels of recycled material. For example there is a product in the UK with 50 per cent recycled content and another that uses 95 per cent recycled material.

## 2 Timber content

Many composite decking products include timber as part of their makeup (composite decking is usually a mix of plastic polymers and wood fibres). The EU Timber Regulation (EUTR) comes into effect in the UK from 3rd March 2013 and is a legal obligation for any company placing timber or timber products on the European market to conduct due diligence on these products to minimise the risk that they are from illegal sources. It is worthwhile checking with the manufacturer whether their product meets this requirement or is exempt from the regulation. Further details can be found at [www.ttf.co.uk](http://www.ttf.co.uk).



## 3 Guarantee

Generally there are two elements to consider here. Firstly the length of the guarantee (usually differs between commercial and domestic residential applications) followed by what the guarantee covers. Most manufacturers will guarantee their product won't rot or split; others will offer you further cover such as a guarantee their decking will never fade or stain.

## 4 Fixing method

Some composites work with the traditional face-fix method – using a screw through the face of the board. Others offer concealed fixings for a seamless appearance and some can offer both options with the same product. One argument against concealed fixings is that if you needed access under the deck boards it was difficult and time consuming to remove them. However a number of the latest concealed fixings allow removal of individual deck boards relatively easily.

*Continued on page 97...*



## A new concept in secure cycle parking



Cycle-works is pleased to launch the Streetstore, its brand new concept in secure cycle parking. This modular system offers a versatile solution to small businesses, residential projects and town centres. The StreetStore can be supplied and installed as either a secure unit with a lockable door or as an open-access mini-shelter parking two to four bikes.

Whatever the requirement, the StreetStore provides secure value-for-money cycle parking. Cycle-Works is a specialist supplier and installer of secure, innovative and stylish bicycle parking and related services. Its products range from open-access bicycle racks and shelters to individual lockers and bespoke solutions.

02392 81 55 55 [www.cycle-works.com](http://www.cycle-works.com)

enq.298

## POD Point intelligent charging solutions



Another eco-planning requirement is on the horizon. Electric car charging provision is now mandatory in many parts of the UK. **POD Point**, one of Europe's leading electric car charging companies, advises on installation requirements, load management and passive provision, engages with planning teams, liaises with grant funding bodies, and provides intelligent on-street and domestic charging solutions that leave a margin for the developer. Fill in the reply card to find out

more about electric car charging. You'll even be sent a copy of the company's new guidance titled *Installing Charging Facilities for Electric Cars*.

enq.600



## Never a bridge too far for Neaco decking

Neaco's Techdek aluminium open grille system has become a popular choice for bridge applications, having been specified as decking for pedestrian or cycle ways at some of the UK's most prestigious bridge schemes. Techdek's T-Bar profile provides a 74 per cent contact area on the surface, yet drains water efficiently, and its swage-locked construction between the bars enables high structural efficiency. Those qualities, combined with a maintenance-free durability and the option of a serrated anti-slip surface for increased safety, make Techdek an ideal specification for the external conditions and high traffic demands of a bridge. Neaco's national sales manager, Richard Richardson-Derry, comments: "Bridge developments have become a major market for our Techdek system with the product featured on some of the UK's most high-profile bridge projects in recent years. In addition to its many practical qualities, Techdek provides a high architectural aesthetic that is manufactured to last."

enq.602

## Four new products added for 2013



As one of the UK's main suppliers of dried aggregate granules to the resin surfacing industry, **Long Rake Spar** is committed to sourcing and developing the most extensive product selection. As part of this commitment, the company continually seeks to introduce a selection of exclusive new products, all of which are supplied washed, dried and screened to the highest specification to produce clean, closely sized granules. New for 2013 are four

additions to the range: Golden Quartz, Winter Rose, Alaskan Grey and Angular Tweed. See Long Rake Spar on stand S1850 at Ecobuild.

01629 630133 [admin@longrakespar.co.uk](mailto:admin@longrakespar.co.uk)

enq.299

## Bailey Artform launches new street furniture



An inspiring new collection of design-led street furniture from Landscape Forms has been launched in the UK, by Cheshire-based **Bailey Artform**. Aimed at helping landscape architects and specifiers to enrich outdoor public spaces, the award-winning Landscape Forms product range combines innovative urban design with functionality and sustainability to create aspirational and effective landscape architecture. Bailey Artform is at the leading edge of integrated landscape design and can offer a single supplier solution, from project conception to completion.

01625 855909 [www.baileyartform.co.uk](http://www.baileyartform.co.uk)

enq.601

## Formica® laminate is a key design feature



Designed by Capella Garcia Arquitectura, **Espai Ridaura** is a multi-purpose building located in Santa Cristina d'Aro, Spain. The architects, Juli Capella and Miquel Garcia created a stunning look using **VIVIX®** exterior façade panels. An exceptional feature of the Espai Ridaura project is its

entrance; or rather the canopy above the entrance door. Featuring **VIVIX®** exterior façade panels in **Fantasia Marron**, an earth tone evocative of the area terrain, the canopy is a unifying element of the whole structure linking the inside with the outside. Measuring almost 20m, it originates in the auditorium entrance hall, passes through the glass entrance and projects outwards.

enq.603

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## 5 Appearance and functionality

Composite decking is available in a wide range of shapes, sizes, lengths, colours and finishes. There is likely to be a product to suit every taste, trend and functionality. Some products have the appearance of hardwood or reclaimed timber; others have a more contemporary ribbed effect and most come in a variety of colours to compliment a plethora of surroundings. You may also wish to consider other aspects such as more durable options for high traffic areas; stain resistant boards for areas used for eating and drinking and longer length boards for a continuous appearance across the deck. Some manufacturers can also offer a deck board that you can curve for a totally unique appearance.

## 6 Grip levels

Many composite decking products available in the UK will meet the requirement for 'low slip potential' in both wet and dry conditions. As a further option many manufacturers can provide you with alternative colours that may help when distinguishing between a change in height such as steps or a ramp. Further details on slips and trips can be found at <http://www.hse.gov.uk/slips/>.

## 7 Retro-fit

Composite decking is usually installed in a similar way to timber decking. This means that it may be possible to retro-fit composite decking over an existing sub-frame. The considerations here would firstly be if the sub-frame is sound and likely to last as long as the new deck boards. Secondly does the existing construction meet the manufacturer's technical requirements for their product – for example are the joist centres the correct spacing. Retro-fit is certainly worth consideration if you are replacing an existing deck.



## 8 Railing

There is a vast array of deck railing options available to architects today, many of which work extremely well with composite decking. Product options can include composite, glass, aluminium, wood or even a mixture of these. Whether you specify railing from your decking manufacturer or a standalone parapet company you may wish to ensure their products meet the requirement for your application whether domestic or commercial. For further details on deck railing specification please visit <http://www.tda.org.uk/>.

Timber decking is a huge success in the UK and will continue to be so. However where there is demand for a functional, attractive and ultra low maintenance deck there is now a variety of composite products to meet that requirement and potentially surpass your client's expectations.

enq.604

## ACOUSTICS

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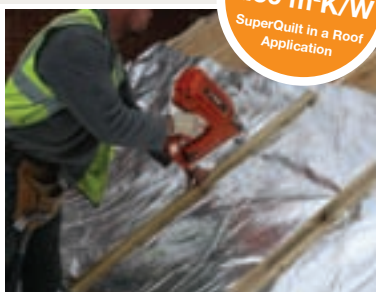
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