

August 2013

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Retail: Corby Tesco Eco Store

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Cover photo of Roca London Gallery interior © Morgan Sindall For more, please go to www.rocalondongallery.com and www.facebook.com/RocaLondonGallery Read about Roca London Gallery winning 2013 New London Award on page 4

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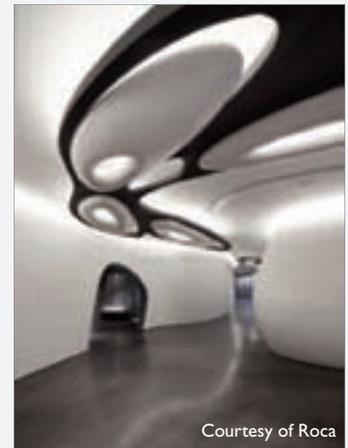
## Roca London Gallery wins 2013 New London Award

Roca London Gallery by Zaha Hadid Architects has won the 2013 New London Award for retail interiors.

The New London Awards recognise the very best in architecture, planning and development in London. Projects across all sectors of the built environment were eligible and judged by an international jury. The jury recognised schemes of the highest

design quality that demonstrate a positive impact on their surroundings and make a wider contribution to life in the city.

All shortlisted projects will be featured in the New London Architecture (NLA) Galleries. NLA – London's Centre for the Built Environment – The Building Centre, 26 Store Street, London WC1E 7BT.



Courtesy of Roca

### AWARD

## King's Cross wins 2013 German Design Council Award

**John McAslan + Partners'** King's Cross Station has won a German Design Council 'Iconic' Award, the only rail infrastructure scheme in the 'Public Architecture' category to win this new international award. Winners were announced on June 27.

Andrej Kupetz, general manager of German Design Council commented: "The wide range of international par-

ticipants as well as the large number of outstanding submissions, especially in the Architecture category, impressed us all. We look forward to announcing next year's awards."

John McAslan adds: "We are delighted that King's Cross Station continues to attract international acclaim."

The award ceremony for the 2013 Iconic Awards will take place during

the Expo Real trade fair in October. The Best of Best awards for individual competition categories, as well as special prizes and the honorary prize, will also be presented at the award ceremony.



Scan the code with your mobile phone using QR code software to view the latest news feed from [www.adfonline.eu](http://www.adfonline.eu)

## New 360° image shows continuing transformation of the Olympic Park one year on



A remarkable new 360° interactive photograph – which shows in detail the ongoing transformation of the former Olympic Park – was released to coincide with the first anniversary of the London 2012 Opening Ceremony.

The image, which shows progress at The International Quarter, their £2 billion commercial development at Stratford City, was created using wide shot images taken from a helicopter to create a 360 degree panoramic view of the area. Noticeable changes over the last 12 months include additional green park spaces at The Queen Elizabeth Olympic Park, the removal of all temporary venues such as the basketball stadium, the development of the plaza in front of the stadium and the conversion of the Athletes' Village into the East Village, which is now in the final stages of becoming residential housing. The International Quarter development site

has also been prepped for construction and an area of landscaping has been added that creates a pathway from Westfield Avenue to the Olympic Bridge.

Kristy Lansdown, Lend Lease's project director, said: "The International Quarter is envisioned to become the commercial heart of the Olympic regeneration legacy and will be vital in making full use of the £12.5 billion of infrastructure put in place for London 2012. The innovative office space, which will be specifically designed to enhance the performance and productivity of those that work there, will attract big businesses to the area and create significant numbers of new jobs whilst delivering a much-needed economic boost for two boroughs which have previously been amongst the most deprived areas of London."

Lend Lease and LCR announced last week the first commercial deal at The International Quarter, which will

become the largest new commercial district built in London since Canary Wharf in the 1990s. Contracts were exchanged with Starboard Atlantic Hotels LLP for the construction of an 18-storey hotel complex overlooking East Village.

Lend Lease and LCR plan to build on this momentum by submitting a planning application later this year for the first 320 new homes at The International Quarter. If the application is successful, the homes will go on sale in early 2014.

This builds on Lend Lease's strong progress this year at its other regeneration site in Central London, Elephant & Castle. The company announced this month that it had started on site at the long-awaited £1.5 billion regeneration, which will deliver 3,000 new homes and 50,000 sq ft of offices over the next 10 years.

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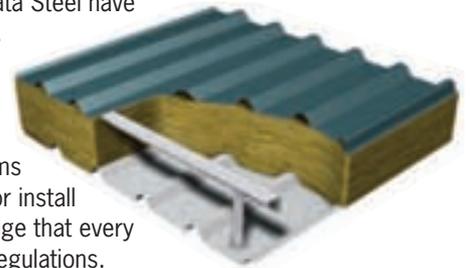
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## An Englishman's home is his converted flat

The continuing shortage of new homes – with UK households growing at twice the rate of new home builds – has prompted a slew of recent government measures aimed at stimulating supply and demand. Some see positive signs in the housing market but is it enough?

Ministers will hope that the success of the initial phase of their Help to Buy scheme will be replicated as it is expanded to cover £130 billion of mortgages from January next year. Critics pointed out that the Help to Buy scheme is addressing a problem the UK does not have – too few people wanting to buy a new home. If Help to Buy does not do anything directly for housing supply then, the argument goes, cheaper lending will just stoke up demand closely followed by prices. Right on cue from RICS came evidence of almost UK wide house price increases and the argument appeared complete – if completely circumstantial.

Demand-side initiatives such as Help to Buy and a general easing of the credit environment are likely to help confidence on the housing supply side. Solid evidence of supply side growth came with the NHBC's 2013 Q2 figures for new housing registrations – up nearly 40 per cent on last year at around 68,000 for the half year. This was just one of a number of recently published forecasts and indices that have prompted construction industry calls to “prepare for growth”.

If the magnitude of growth in new house registrations and completions continues in the second half of this year, 2013 is on track to build over 130,000 new homes. Double digit growth on last year! This would be much more welcome were it not for the chasm remaining in the number of homes that we should be building. Even if the UK achieves 15 per cent growth, it will still remain half the growth our population growth needs and around a third of the number built across the Channel in France.

A cultural shift may indeed be required. Indeed France – along with most of the rest of Europe – deliver 60 per cent of their new housing total as self or single custom builds. The self build sector represents only around 10 per cent of the housing market in the UK. Matching European self build levels could totally transform the UK's new housing position. On the face of it, the huge headroom for growth in self and custom build in the UK represents a real policy opportunity for government and a huge revenue opportunity for the construction industry.

Over half of all new housing plans in the UK are for single units. But they remain dwarfed in terms of unit numbers by the large housing schemes – or as Grand Design's Kevin McCloud labels some: “identikit Noddy houses built at the lowest possible cost”. Measures to stimulate the sector appear half hearted and piecemeal. The government did invest £30 million at schemes to assist self and custom build back in 2011. More recently the easing of planning controls on residential conversions caused a small spike in applications for single build

and smaller conversion projects. And finally funding has been announced to help 'Community Right to Build Orders' which could pave the way for self and custom build projects to sidestep most planning controls entirely – following a local referendum. Have these helped?



Graph 1

Planning Pipe's track of new single build planning applications in 2013 does show some growth – both on last year and quarter on quarter. But with single build conversions, self and custom build projects still numbering less than 1,500 units a month, the huge growth potential that self and custom builds represent is stuck in policy theory – rather than near term political reality.

The major blockage to growth in this sector is generally seen to be the availability and cost of land, with insufficient controls and incentives to stimulate non-speculative, self build or custom builds. Significant regulatory and cultural reform would be required to actually deliver the potential that self and custom build offers to the UK. But that potential is there despite the much publicised (and overstated) “shortage of space” particularly across the South East. Alex Morton's excellent Policy Exchange paper “A Right to Build” details some of the possibilities. For the development community it is also argued that if more people in the UK built their own homes, more people would feel more positive towards new home building by developers? A win-win?

Detached homes made up 40 per cent of all homes built before 2000. It is perhaps no surprise that in 2013 flats now dominate new house building types – with more than twice as many flats or maisonettes built now than the once-dominant detached house. “An Englishman's home is his converted flat” is not representative of the gender or motivation of the reported 6 million UK inhabitants interested in self or custom build. But this huge latent demand to buy and be more involved in the designing and building of one's own home seems badly served by government, planners and indeed the construction industry. The tinkering of controls and incentives does not attack the vested interests of the landowning or development community. Change on a big scale requires political initiatives on a big scale. We still wait to see those on the horizon.

Paul Graham is MD of bespoke construction sales lead provider Planning Pipe ([www.planningpipe.co.uk](http://www.planningpipe.co.uk)).

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## news bytes

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**Ref: 83016**

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## FUNDING

## Design Council announces fund for new environments that improve the health and wellbeing of children under five

Design Council has announced a national early years challenge, offering grants of up to £180,000 to turn great ideas into reality. The aim of this challenge is to kick start the development of innovative environments, products or services that will radically improve the health and wellbeing of young children living in Southwark and Lambeth.

Design Council is inviting architects, planners and designers to get involved. The search for ideas, called the Knee High Design Challenge, is run by Design Council in collaboration with Guy's and St Thomas' Charity, who are the sole funder of the programme, and the London Boroughs of Southwark and Lambeth.

Working in partnership with the borough's Public Health teams, a six month research programme was undertaken with local families and professionals to identify where the greatest opportunities lay to make the most significant impact on a child's early development. Designers, early years specialists, and ethnographers connected with over one hundred local families, and followed their daily routines to identify and prioritise opportunities for change.

The research found that many families became isolated when their children were born, due to the anxieties and practicalities of leaving the home. Isolation and loneliness can cause serious and long-term effects on families' emotional and social wellbeing.

The research also found that many children needed more opportunities to play and interact with others in the very early years, in order to develop social, emotional and cognitive skills. It is important that this development happens early on, as by the time a child

is three years old their brain is already largely developed.

The Knee High Design Challenge seeks to uncover radical new ideas to tackle these complex issues by putting local families at the heart of the change and supporting start-ups.

Following the research phase, Design Council has created three briefs to guide and inspire people to come up with innovative ideas that will;

1. Connect more families to the people and places beyond the boundaries of their homes.
2. Make it possible for more young children to learn and develop in their everyday lives.
3. Alleviate the stress, anxiety and depression experienced by parents during the ups and downs of everyday family life.

The winning teams will be selected in October 2013 and will receive funding and mentoring from the Design Council to develop and rapidly prototype their ideas. The winning teams will receive support from an advisory board of entrepreneurs, designers, psychologists, and healthcare professionals convened by Design Council. The new environments, products or services will be launched in autumn 2014.

Mat Hunter, chief design officer at Design Council, said: "If you want to make positive impact in the world, there is no better way than to support the youngest in our society, to help them get the best start in life. We are delighted to be kicking-off this programme which will enable designers, entrepreneurs and the families of Southwark and Lambeth to imagine and create better forms of support. I look forward to being amazed by their passion and inventiveness."

Peter Hewitt, chief executive of Guy's and St Thomas' Charity, said: "The Charity places the highest priority on health improvement and radical health care innovation of benefit to our local population in Lambeth and Southwark. Our investment and partnership with the Design Council through Knee High will bring a community of talented people, networks and organisations together..."

## EDUCATION



## Seeing double – 'twin' schools to open after pilot scheme saves £4 million

A new secondary school with a 'twin' 55 miles away has opened its doors to pupils as the Scottish Futures Trust (SFT) unveils £132 million savings and benefits secured in the past 12 months across its many work areas.

From the outside, Eastwood High School in East Renfrewshire and the Lasswade Centre in Midlothian may look different – but inside they are almost identical. The dual developments are the result of a unique collaborative arrangement – established by SFT – between East Renfrewshire and Midlothian Councils. That arrangement has helped deliver two modern, high-quality schools while at the same time achieving savings totalling more than £4 million.

As a result of this, 20 other local authorities across Scotland are now working in collaborative groups on their new school projects to achieve similar savings and benefits.

The collaborative £65 million Eastwood and Lasswade schools pilot project was completed in June 2013, in time for the return of pupils on August 14 and August 21 respectively. Each school has introduced innovative measures including 'open-plan' toilets designed to defeat bullies, identically-designed classrooms and dual-purpose common areas.

## news bytes

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Construction firms must invest early to reap the benefits later...  
Ref: 68287

New university building recognised for its excellent environmental credentials...  
Ref: 25356

RIBA

## The future of European architectural education

The Lithuanian Embassy in London, the **Royal Institute of British Architects (RIBA)** and the Department for Business, Innovation and Skills (BIS) are hosting a conference on the future of architectural education in Europe on 9 September 2013 to coincide with the Lithuanian EU Presidency.

The conference 'Recognition of Professional Qualifications in the EU: Challenges and Opportunities' will be held at the RIBA, 66 Portland Place, W1. The event, which features a special focus on architects, coincides with the opening of an exhibition about the evolution of Lithuanian architecture, also at the RIBA.

The conference will be opened by the Minister for Trade and Investment, Lord Green of Hurstpierpoint; the Lithuanian Minister of Environment and Urban Planning Valentinas Mazuronis and RIBA President Stephen Hodder. Representatives from the European Commission, the Architects Council of Europe, the UK Architects Registration Board (ARB) and the Construction Industry Council (CIC) will share views on whether impending legislative changes will empower or challenge the movement of architects within the Single Market.

The Lithuanian Ambassador Asta Skaisgirytė Liauškienė said: "Lithuania strongly supports the deepening of the Single Market which is one of the greatest achievements of the European Union. During our Presidency we will aim to achieve the maximum progress in implementing the modernisation of the Professional Qualifications regulations. We are delighted to work with RIBA and UK Department for Business,

Innovation & Skills to raise the relevant questions at the conference in London."

RIBA president\* Stephen Hodder said: "Our upcoming conference is a great opportunity for those interested in the future of architectural education in the UK and EU to join the debate and hear direct from those responsible for implementing the upcoming reforms.

"I'm also delighted that the Lithuanian Embassy in London has chosen 66 Portland Place as the venue to host their exhibition on the history of Lithuanian architecture. I look forward to exploring this unique exhibition exploring Lithuania's rich architectural history."

**Conference:** Recognition of professional qualifications in the EU: challenges and opportunities  
Monday 9 September, 2.30 pm – 8.00 pm  
More information at: [uk.mfa.lt](http://uk.mfa.lt)  
To book events@uk.mfa.lt or call 020 7592 2840

**Exhibition:** Parallels - Lithuanian Architecture: Three Eras, Three Faces  
This exhibition features the aesthetic and ideological development of Lithuanian architecture in three eras: era of independence between the two World Wars, era of Soviet occupation and finally, the era after 1990.  
10 September – 11 October  
Gallery One, 66 Portland Place, London W1  
For more information visit [architecture.com](http://architecture.com)

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Ref: 17386

Architects with Olympic talent take out QUT Outstanding Alumni Award...  
Ref: 71932

Holborn Estate regeneration plans triumph at London Architectural Awards...  
Ref: 83212

## New photorealism replacing architects' floor plans

A team of researchers from the Open University and **Brunel University**, London, has been studying the production of these images known as "architectural visualisations" used by architects, developers and planners for a £3.5 billion development in the centre of Doha, the capital city of Qatar.

Their findings, on show in a public exhibition in London this month, offer an insight into how computer generated images used in the Msheireb Downtown Project are part of a new wave of photorealism influencing the transformation of cities around the world. Digital visualisations of buildings and places once used in Hollywood movies, are now applied as crucial tools in architecture for



imagining and designing new urban developments, and projecting what they feel like.

Geographer Prof. Gillian Rose from the OU, Dr Monica Degen, a sociologist from Brunel and research assistant Dr Clare Melhuish, an anthropologist and architectural journalist, have been following the international visualisa-

tion team working on the project, for two years.

Professor Rose said that the visualisers had a different skill to the planners and architects and that their aim was to translate the architectural drawings into lively and atmospheric public spaces. "They want it to look glamorous and give it a certain feeling, to have a modern image. The architects and visualisers have different agendas," she pointed out.

"Some architects found the CGIs useful and others felt that because the visualisations were so glossy and photorealistic that the client would judge their buildings on the basis of the images..."  
For more go to [adf-news.blogspot.co.uk](http://adf-news.blogspot.co.uk) and enter Ref: 18892

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## Officers recommend approval for CABE endorsed Olympic Legacy Scheme

A London Legacy Development Corporation planning committee last week recommended approval for Chobham Farm, a new family neighbourhood designed for East Thames and London and Continental Railways by Pollard Thomas Edwards architects.

PTEa were first appointed in 2008 by the East Thames Group to prepare an outline masterplan in support of their detailed application for a site on Leyton Road. The design has evolved over the years in consultation with LB Newham, the Olympic Delivery Authority (now the LLDC), GLA and CABE.

In addition to facing the predominantly high-rise flats of the East Village to the west and the low-rise post-war terraces and flats of Stratford New Town to the east, the site has variations in ground level of up to two storeys, and railway lines on two sides. Combining

these physical characteristics with the principles of the Stratford Metropolitan Masterplan has produced a sheltered family neighbourhood that manages the transition in scale, invites pedestrian movement and suggests urban design precedents for the medium term enhancement of Stratford New Town.

The high-quality development will deliver around 1,000 homes, together with attractive new parks, squares and open space for local communities to enjoy. The proposals will also provide community spaces, opportunities for local businesses, and shops. Its sustainability is addressed in terms of mix, integration and energy, with connection to the Olympic Park District Energy Scheme (OPDES) envisaged, in addition to on site PV and extensive SUDS measures.

### SHORTLIST

## RIBA Competition shortlist announced: Design of the new HQ for the Metropolitan Police Service

The RIBA, the Mayor's Office for Policing and Crime (MOPAC) and the Metropolitan Police Service (MPS) are delighted to announce the shortlist for the design competition to create a new central London HQ - replacing their existing New Scotland Yard building.

The competition received an excellent

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response and the shortlisted teams selected (in alphabetical order) are:

- Allford Hall Monaghan Morris
- Allies and Morrison
- Foster and Partners
- Keith Williams Architects
- Lifschutz Davidson Sandilands

The shortlisted teams will now work on their design proposals and will be invited to present these to the judging panel in September 2013.

#### AWARDS

## Housing Design Award 2013 winners announced

The 2013's Housing Design Awards have made more schemes winners than in any previous year, reflecting the improving quality of Britain's new housing. 37 completed schemes and 23 projects (unbuilt or partly built and not occupied) schemes were shortlisted, resulting in 15 Awards.

There are increasing signs of two parallel UK housing markets emerging – London and outside London – with more housing construction being concentrated in the capital. Well over half of all submissions to this year's Housing Design Awards were London schemes, a development that is reflected in the new Mayor's London Housing Design Guide award. Common design themes this year.

- Outside the capital there are a number of examples of high-quality schemes



Church Walk, Clissold Park



Derwenthorpe Phase 1, York



Newhall "Be", Harlow

that have crafted an innovative contemporary response to the local rural vernacular.

- While still trying to meet higher densities, more developments are separating buildings with water.
- In order to build locally distinct housing estates, there are many instances of design variety, ranging from complexity of plans to the use of differing storey heights.

#### Supreme winner

Newhall "Be", Harlow

#### Completed winners

- Buzzards Mouth Court, Barking Riverside (Graham Pye Award)
- Church Walk, Clissold Park (Mayor's Housing Design Guide Award)
- Derwenthorpe Phase 1, York
- Hargood Close, Colchester (Richard Feilden Award)
- Mastin Moor, Residential High Support Unit, Chesterfield

#### Project winners

- Buccleuch House, Hackney
- Church Fields, Leeds
- Evolution South, London HA8
- Long Road, Clay Farm, Cambridge
- Middle Row Mixed Use Scheme, London W10
- Roding Lane North, London IG8
- The Malings, Newcastle

#### HAPPI winners

- Buccleuch House, Hackney (Project)
- Prince Charles House, St Austell, Cornwall (Completed)

*'It is great to see the number of winners increasing, reflecting the rise in standards of housing in the UK. I particularly congratulate Buccleuch House, Hackney, winner of two awards – a Project Award and the HAPPI Award'*

David Birkbeck, CEO of Design for Homes, judge and 'rapporteur' for the government's Housing Design Awards

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**AWARDS**

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

**RIBA Stirling Prize party 2013**  
26 September, London  
[www.architecture.com/whatson](http://www.architecture.com/whatson)

**British Homes Awards 2013**  
18 October, London  
[www.britishhomesawards.co.uk](http://www.britishhomesawards.co.uk)

**CONFERENCES & SEMINARS**

**Post Brutalism**  
19 September, London  
[www.buildingcentre.co.uk/events](http://www.buildingcentre.co.uk/events)

**Context: Understanding historic buildings – refurbishment and building performance**  
25 September, Nottingham  
[www.architecture.com/regionsandinternational](http://www.architecture.com/regionsandinternational)

**INSITE13**  
2 - 3 October, London  
[www.insite13.com](http://www.insite13.com)

**Procurement and contracts: Design liability and contracts**  
10 October, Gateshead  
[www.architecture.com/regionsandinternational](http://www.architecture.com/regionsandinternational)

**EXHIBITIONS**

**Sir Hugh Casson PRA: Making Friends**  
Until 25 August, London  
[www.royalacademy.org.uk/events](http://www.royalacademy.org.uk/events)

**United Micro Kingdoms**  
Until 26 August, London  
<http://designmuseum.org/exhibitions/2013>

**Architect's Eye Photography Exhibition**  
Until 31 August, London  
<http://www.rocalondongallery.com>

**Nicholas Hawksmoor: Methodical Imaginings**  
Until 1 September, London  
[www.somersetshouse.org.uk/visual-arts](http://www.somersetshouse.org.uk/visual-arts)

**Charles Correa - India's Greatest Architect**  
Until 4 September, London  
[www.architecture.com/OutOfIndia](http://www.architecture.com/OutOfIndia)

**Serpentine Gallery Pavilion 2013 - Designed by Sou Fujimoto**  
[http://www.serpentinegallery.org/2013/02/sou\\_fujimoto\\_to\\_design\\_serpentine\\_gallery\\_pavilion\\_2013.html](http://www.serpentinegallery.org/2013/02/sou_fujimoto_to_design_serpentine_gallery_pavilion_2013.html)

**FESTIVALS**

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

**World Architecture Festival**  
2 - 4 October, Singapore  
[www.worldarchitecturefestival.com](http://www.worldarchitecturefestival.com)

**FILM**

**Visual Acoustics: The modernism of Julius Shulman (2008)**  
22 October, London  
[www.architecture.com/whatson](http://www.architecture.com/whatson)

**Diana Vreeland: The Eye has to Travel (2011)**  
5 November, London  
[www.architecture.com/whatson](http://www.architecture.com/whatson)

**NETWORKING**

**netMAGevents Evening Networking Event**  
19 September, London  
<http://netmagevents.eventbrite.co.uk/>

**netMAGevents Best of British Christmas Party**  
12 December, London  
<http://netmagevents.eventbrite.co.uk/>

**TALKS, LECTURES & DEBATES**

**2013 RIBA Stirling Stories with The Observer**  
10 September, London  
[www.architecture.com/whatson](http://www.architecture.com/whatson)

**Concrete Elegance - Exploring Light and Spatial Creativity**  
24 September, London  
[www.buildingcentre.co.uk/events](http://www.buildingcentre.co.uk/events)

**Creativity in Stone**  
**How visionary engineering expedites new concepts in stone**  
26 September, London  
[www.buildingcentre.co.uk/events](http://www.buildingcentre.co.uk/events)

**TOURS**

**Open-City Architecture - Photography: From Wren to Rogers**  
24 August, London  
<http://open-city.org.uk/activities/yearround/photographywrentorogers.html>

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

**TRADE SHOWS**

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

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

**Timber Expo**  
24 - 25 September, Birmingham  
[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)

**Healthcare Estates**  
8 - 9 October, Manchester  
[www.healthcare-estates.com](http://www.healthcare-estates.com)

**Education Estates**  
26 - 27 November, Manchester  
[www.educationestates.com](http://www.educationestates.com)

**Retrofit Roadshows**  
Dates left:  
5 September, North East  
17 September, Wales  
29 November, London & South East  
[www.retrofit-roadshow.co.uk](http://www.retrofit-roadshow.co.uk)

**WORKSHOPS**

**Create! Architectural Drawing**  
28 August, London  
<http://www.vam.ac.uk/whatson/event/2583/architectural-drawing-3894/>

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

**Internal management: Business planning and marketing for architects**  
Dates until 15 October, London  
[www.architecture.com/whatson](http://www.architecture.com/whatson)

**Designing and building it: Passivhaus myths and realities - a 'get you started' active workshop for architects and designers**  
Dates until 5 December, London  
[www.architecture.com/whatson](http://www.architecture.com/whatson)

# cpd focus

## SPECIFYING TILING IN HEAVILY TRAFFICKED AREAS



The BAL RIBA-approved CPD seminar *Specifying tiling in heavily trafficked areas*, gives architects confidence in specifying for any tiling project where traffic levels mandate high durability. The 45-minute seminar covers such topics as anticipation of substrate movements and the effect of project time constraints. It also shows the need for detail in tiling work specifications, provides guidance on relevant codes of practice and advises on design and specification considerations.

01782 591100  
[www.bal-adhesives.com/specifiers/cpdseminars](http://www.bal-adhesives.com/specifiers/cpdseminars)

enq. 105

## FIRE DESIGN AND SMOKE VENTING SOLUTIONS



Experts from **Fire Design Solutions** and sister company **FDS Consult** are to deliver the next installment in their popular CPD series, focusing on fire design and smoke venting solutions. The seminar will be held at the Building Centre, London, on 18 September, and is aimed at architects, M&E consultants, developers and contractors who want to extend their education of fire engineering principles and smoke venting for projects within the residential, commercial and mixed use sectors.

01322 387411  
[www.fdsconsult.com/CPD/](http://www.fdsconsult.com/CPD/)

enq. 108

## INTRODUCTION TO FIRE RESISTANT GLASS & GLAZING SYSTEMS



**SCHOTT UK** offers a comprehensive, RIBA-approved CPD called *Introduction to fire resistant glass & glazing systems*, which enables architects and specifiers to gain the knowledge required to select the appropriate fire resistant glass solutions for a building. It provides detailed information about the testing criteria, applications and range of products available. The CPD addresses key areas that are vital in the decision making process such as:

- Why we use fire resistant glass?
- What does fire resistance mean?
- Fire resistant criteria explained
- What types of fire resistant glass are available?
- The importance of suitable framing systems
- Compatibility of components
- What specific solutions are possible with fire resistant glass?

The protection of people and property is fundamental when developing new or updating existing buildings. Fire resistant glazing is critical when considering life safety and the building fabric. Let this CPD guide you through what matters most.

Please note that this CPD covers three points of RIBA core curriculum:

- Being safe: health & safety
- Compliance: legal, regulatory and statutory frameworks and processes
- Designing and building it: design, construction, technology and engineering.

01785 223 366  
[www.schott.com/uk](http://www.schott.com/uk)

enq. 109

## ROOF LIGHT SOLUTIONS FOR THE METAL BUILDING ENVELOPE



A new RIBA certified CPD seminar is now available from **Hambleside Danelaw Ltd.** *Roof light Solutions for the Metal Building Envelope* addresses considerations when specifying roof lights, focusing on new-build metal buildings and refurbishment of existing and commercial building stock. Attendees will gain a deeper understanding of the operational, financial and environmental benefits of a well-chosen daylighting plan using GRP roof lights.

01327 701900  
[www.hambleside-danelaw.co.uk/news/cpd-seminars](http://www.hambleside-danelaw.co.uk/news/cpd-seminars)

enq. 106

## SLIDING & FOLDING DOOR GEAR – SPECIFICATION AND DESIGN



**P C Henderson's** newly updated CPD, *Sliding & Folding Door Gear – Specification and Design*, has been approved by RIBA. Attendees will discover the benefits, features, functions and applications of sliding and folding door hardware in residential, industrial and commercial projects. They will also learn what common problems to avoid and what tools can be used in order to specify accurately, while taking into consideration new developments in hardware technology, security accreditations and environmental standards.

[gsmith@pchenderson.com](mailto:gsmith@pchenderson.com)  
[pjones@pchenderson.com](mailto:pjones@pchenderson.com)

enq. 110

## TATA STEEL LAUNCHES RIBA-APPROVED CPD TRAINING ON RENEWABLE ENERGY TECHNOLOGY



The new CPD module developed by **Tata Steel** is aimed at architects and design teams and looks at the importance of incorporating renewable energy generating technology into the building envelope. It provides an overview of transpired solar collector and photovoltaic technologies, which are the two most appropriate renewable energy systems for integration with pre-finished steel cladding, as well as giving typical payback in terms of expenditure and CO<sub>2</sub> emissions.

01244 812345  
[www.tatasteel.com](http://www.tatasteel.com)

enq. 107

## TWO NEW CPDS FOR PARTITIONING SYSTEMS AND SUSPENDED CEILINGS



**SAS International** has two new architectural RIBA-accredited CPDs for partitioning systems and suspended ceilings. These add to its existing portfolio of RIBA-accredited Core Curriculum CPDs. The *Partitioning* CPD covers the benefits, specification writing and environmental compliance of fully glazed partitioning. *Specifying performance of demountable suspended ceiling systems* looks at acoustic, environmental, design, and integration options for suspended ceilings.

0118 929 0900  
[www.sasintgroup.com](http://www.sasintgroup.com)

enq. 111

## continuing professional development

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### RENDER PROTECTED EXTERNAL WALL INSULATION (EWI) CPD



Mapei's informative, free of charge, RIBA-accredited Render Protected EWI CPD provides guidance to specifiers on what EWI systems is, detailing the products that typically make up the succession of layers, where the system can be utilised, how EWI can be specified, advantages gained and best practices. In addition, the CPD also examines EWI performance criteria, reviews current standards and looks at construction techniques. This goes with Mapei's six other CPD's covering topics such as Effective Waterproofing and Fast Track Screeds.

0121 5086970  
cpd@mapei.co.uk

enq. 112

### SPECIFYING SUSTAINABLE HARDWOOD FLOORING



Ted Todd is a leading manufacturer of FSC® certified hardwood flooring. With over twenty years of expertise and passion, supplying hardwood flooring to commercial and residential projects. Ted Todd's CPD seminar *Specifying Sustainable Hardwood Flooring* will explain the life cycle of hardwood flooring in comparison to alternative flooring options and how you can ensure that the flooring specified is sustainably sourced.

01925 283 000  
www.tedtodd.co.uk

enq. 116

### ULTRACRETE RIBA-APPROVED CPD SEMINARS AVAILABLE



Ultracrete from Instarmac offers RIBA-approved CPD seminars which are available in half or full day formats and cover all stages of carriageway ironwork reinstatement, using their HAPAS approved system. Ultracrete is happy to arrange these seminars and any training and product demonstrations at your premises, where appropriate, or live on site at a time convenient to you... and what's more, it's all FREE!

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ultracrete@instarmac.co.uk

enq. 113

### DESIGNING SUSTAINABLE FENESTRATION SYSTEMS\*



Senior Architectural Systems' RIBA-approved CPD, *Designing Sustainable Fenestration Systems*, has proven popular with specifiers. One CPD event alone attracted more than 50 specifiers, emphasising the importance designing sustainability into projects. The term sustainability is discussed and explained, as so often it is given a very wide general definition; so too is the growing use of the term for materials that have cradle to cradle life cycles.

01709 772600  
info@seniorarchitectural.co.uk

enq. 114

### SUSTAINABILITY & LOW-MAINTENANCE BENEFITS OF CELLULAR PVC



Swish Building Products is a leading supplier of PVC roofline and cladding, including fascias, bargeboards, window boards and trims, internal and external cladding, and rainwater. Accredited with the responsible sourcing certification BES6001 in addition to previously secured certifications ISO9001, ISO14001 and OHSAS18001, Swish holds CPD seminars focusing on sustainability and the low-maintenance benefits of cellular PVC.

01827 317 200  
www.swishbp.co.uk

enq. 115

## Surface Design Awards open for entry

After a highly successful debut in 2013, Surface Design Show today announced the launch of Surface Design Awards 2014. The awards champion the best progressive design and use of innovative surfaces worldwide, and are believed to be the only awards to focus exclusively on surface design.

The twelve awards include a new category that reflects light, surface and the importance of innovation. The full list of seven categories is as follows:

- Retail Interior Surface
- Retail Exterior Surface
- Commercial Interior Surface
- Commercial Exterior Surface
- Housing Interior Surface
- Housing Exterior Surface
- Public Building Interior Surface
- Public Building Exterior Surface
- Light and Surface Interior
- Light and Surface Exterior
- Temporary Structure
- Supreme Award

These international awards are open to architects, interior designers and contractors who have completed projects using exterior and interior surface materials in new, innovative and creative ways. The judging will be chaired by Will Alsop, All Worldwide and Vanessa Brady, Society of British Interior Design (SBID) and will also include a panel of six distinguished architects and interior designers.

Brady said that an award for the best in surface design was long overdue. "Last year there was an overwhelming response and the flood of high calibre entries was thrilling. There was no doubt that the industry was crying out for an award of this nature. There is an extraordinary amount of innovation in surfaces, much of it unsung, and the awards provide a unique and dazzling showcase of the very best."

The deadline for submissions is 20 September 2013 and the winners will be announced at the Surface Design Show on the 6 February 2014.

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## Civic Voice says relaxing planning rules will not solve housing crisis

Responding to the news in The Sunday Times (4 August) that government is considering relaxing planning restrictions to allow empty retail units to be turned into housing, Paula Ridley, chair of Civic Voice said: "We accept that the future of the high street has to be more than simply a retail experience. As a nation we sometimes get bogged down into thinking that our high streets are only about retail but they are much more than this. They need to be about place – not just profit. However, introducing this change will remove the right of the community to decide what is best for their area. We are not against the policy per se, but we are against the fact that the voice of the community will be removed."

The formal change of permitted development right has yet to be formalised while government conduct a consultation on the idea.

Ridley added: "Civic Voice members reject the notion that good planning is a brake on the economy. On the contrary the best planned places are also the most economically successful. That is why allowing change in this manner is wrong".

"We agree with the government that finding a solution to the housing crisis is essential, but this proposal is tinkering around the edge of the problem. The barrier to house building arises from borrowing restrictions and economic uncertainty, not planning. Investors need certainty and introducing uncertainty through sudden changes to planning has negative consequences. If the government wants to solve the housing crisis, they should look at bringing back into use the 920,000 empty homes across the UK, 330,00 of which are long term empty."

### AWARD



## Blueprint wins national accolade for Nottingham housing project

A groundbreaking eco-housing development in Nottingham has scooped a prestigious national award for specialist regeneration developer **Blueprint**.

Green Street in the Meadows, 38 architect-designed contemporary townhouses on the banks of the River Trent, has been named one of the Best Residential Developments in the UK Property Awards.

Blueprint competed against a number of property development organisations for the national title.

Nick Ebbs, chief executive of Blueprint, said: "It's exciting to see Green Street getting national recognition. It's been outstandingly successful commercially, and it has proven that there is a healthy market for architect-designed, low energy homes. We are now applying this successful model to new projects in Nottingham and elsewhere."

Blueprint is now among a number of winners who may go on to compete in the International Property Awards.

### RESIDENTIAL

## mæ Architects' largest housing development to date reinterprets the area's half-house type in Waltham Forest, East London

mæ was appointed in 2010 to design Hammond Court following a framework competition to design this 43 unit residential scheme comprising a mixed tenure – social rented and shared ownership units.

Following extensive consultation with the residents of the former housing estate, mæ's architecture was specifically designed to create distinct buildings and generous well planned homes.

mæ's architecture is outward facing,

addressing the community. A perimeter block of houses, maisonettes and apartments step up from three to five storeys and enclose a quiet, south-facing landscaped communal garden. Inspired by the 'Half House' type developed by Warner, mæ created its own housing typologies that allow high-densities whilst offering front doors to the street. All dwellings have private amenity space in the form of balconies, winter gardens or private gardens.

## news bytes

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

DMU appoints architects for centrepiece of campus transformation...  
Ref: 23773

Wood Awards 2013 announces shortlist...  
Ref: 57670

BIM Academy to support Hong Kong construction professionals...  
Ref: 96374

4 Brabant Court to open to the public for the first time during Open House London...  
Ref: 38127

## London Britannia Airport team Merger announced



Testrad, the Thames Estuary Research and Development Company, and Gensler, a leading global architecture

and design firm, announce today that they have joined forces to propose London Britannia Airport, a new global hub airport for London sited in the Thames Estuary. The new coalition—comprised of two firms who have been instrumental in the UK's aviation capacity debate – offers London a world-class team of economists, aviation and transport specialists, engineers, urban planners and architects who will be presenting a deliverable, long-term solution for London's aviation strategy. The team's plan enables London Britannia Airport to be created with minimal disruption to London. Testrad and Gensler submitted their plans to the Airports Commission on July 19.

London Britannia Airport provides a long term planning and infrastructure framework for London, creating a revolutionary model for the UK's aviation capacity and totally rethinking the economic and environmental impacts

that currently challenge all eastern and western aviation propositions.

Bridget Rosewell, CEO of Testrad, commented: "This is an exciting opportunity to share the extensive technical work that has been done by the highly experienced Testrad team over the last two years and join forces with a design team that have the imagination and drive to give London the world class airport it now deserves."

The new London Britannia Airport master plan will position London as the frontrunner in the global business arena while providing a solution to the Capital's current density issues. It also enables significant opportunities for the creation of new homes and employment in order to meet London's anticipated population growth of two million by 2036. Both the east and west of London will each benefit from key regeneration planning that will see significant increases in GDP.



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## Renowned eco-architect inspires international event



International architect Mick Pearce spoke at a unique cultural event at the **University for the Creative Arts (UCA)** at Farnham on 11 July.

The Prince Claus Award winner's sustainable vision has inspired the thesis of fellow Zimbabwean, Martha Thodhlana, who is studying MA Interior Design at UCA Farnham.

In honour of his visit, a day of inspiring talks about development and culture in southern Africa was organised for students and staff by Peter Waters, course leader for Interior Architecture & Design.

Peter said: "It was a privilege for our students to hear such detail from Mick about his sustainable designs.

"His ability to use processes from nature and transform them into making eco-friendly buildings was inspirational for everyone.

"Today's event really shows that UCA goes beyond the usual boundaries of Interior Architecture and that we're engaging with issues around the world which could lead to immense change."

Renowned architect Mick Pearce is famous for designing the Eastgate Centre in Zimbabwe (1996) and CH2 in Melbourne (2006). Both were informed by the study of termite mounds and plants to create energy-saving buildings inspired by behaviours seen in nature and wildlife.

Mick Pearce said: "I've really enjoyed visiting UCA today and think it's wonderful that the university is taking an in-depth look at sustainability and development in my home country.

"Sustainable architecture is the future of architecture because we have to change the way we use energy and water and I have been encouraged by what I've

seen at UCA today."

The event was based around the contacts that Martha Thodhlana had made for her final project which proposes a meeting space for the community in the Eastgate Centre and to build a delegation that will share her innovative development ideas, on behalf of Zimbabwe, at the International Expo 2015 in Milan.

Martha said: "Today has been a great day for me. It's taken years to get to this point but I'm so excited to have been able to involve such big heavyweights from Zimbabwe to help with my thesis and try to help make my proposal a reality.

"I think it's great that UCA has created this day of talks about cultural development in Africa and Zimbabwe because it shows that the University is ambitious and internationally-minded.

"I also think that architecture should reach out and respond to the world around us and it's great to see that UCA supports my view on this."

As well as Mick Pearce, the event featured talks from fellow Zimbabwean social innovators Professor Ronnie Lessem, Gary Waterworth-Owen and Miche Fabre Lewin.

UCA's Uwe Derksen and Anthony Heywood constructed a 'Peace Table' as a centrepiece to the day's gathering. This has inspired Martha to develop the idea further to build a table, using local Zimbabwean materials representing the five regions of Zimbabwe, as a key feature of her proposed 'B'andhla' or community space in Harare.

### news bytes

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#### AWARD

### Gold award for student architect

A budding architect at **Sheffield Hallam University** has scooped a top award from the RIBA. Suki Sehmbi, 21, was given the Gold Prize in the undergraduate category of RIBA Yorkshire's Student Awards 2013 for his design that sought to improve the economy, environment and architecte-

ture in the seaside town of Whitby.

His award-winning project looked at generating business and economic growth through the design of a regenerated site to encourage more fishing vessels to import and export through the area, with predicted profits making room for further developments.



The project would be based around the marina close to the mouth of the River Esk.

## Endless Stair climbs into production phase as project location is moved to Tate Modern, Bankside



The Endless Stair, landmark project for this year's London Design Festival, will be sited on the lawn in front of the world-renowned Tate Modern.

Professor Alex de Rijke, director of dRMM, the architects leading the design for the structure, said: "Endless Stair is a temporary sculpture designed to be

endlessly reconfigured. After initially considering a site at St Paul's Cathedral, the London Design Festival team has decided the best location for the Stair's debut is outside Tate Modern, Bankside. The programme of modern art and architecture, combined with the Thames panorama of London, provides a context to which dRMM's Escher-inspired installation can make a distinctive contribution."

The construction of the Endless Stair, which will be the first-ever such structure to use American tulipwood cross-laminated timber (CLT), is now progressing in Italy and Switzerland. The project, which was conceived in January 2013, is pushing the boundaries of hardwood in construction.

Starting from a fantasy Escher-inspired drawing utilising, for the first time, tulipwood cross-laminated timber (CLT), dRMM and Arup have worked with

specialist teams in Italy and Switzerland to research and test the strength of the material and develop the design to allow public access to the structure at this exciting cultural destination.

Expert teams at dRMM and Arup have met the challenges of bringing this intricate design to fruition and fabrication is now underway.

Helen Groat, senior structural engineer, Arup, leading on the design of the Endless Stair commented: "The most fascinating aspect about this project is that we are going beyond typical analysis and code justification methods. We are constantly experimenting, analysing and testing. This is such a great opportunity to apply pure engineering principles to this unique artistic installation, using a material that we firmly believe should be used in more mainstream buildings in the near future."

  
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# Energy Efficiency Exhibitions

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What's more, with the unique format of the Energy Efficiency Exhibitions, whether you are in Edinburgh or Exeter, Manchester or the Midlands, these exhibitions access all areas of the UK.

Event director Dan Caesar had this to say: "Our industry has a once in a lifetime opportunity to offer our customers, significant financial savings thanks to energy efficient & renewable technologies. As well as the high quality of this year's exhibition, we invest more than any other organiser in our educational programme of attractions, demonstrations and presentations,

so we can promise visitors a very profitable day."

This year's visitor attractions include four theatres filled with presentations – the Commercial & Green Deal Theatres will be returning and they will be supplemented with the RHI & Policy Theatres. Plus, this year the Energy Efficiency Exhibitions will include an increased number of demos, hosted in the Energy Efficiency & Renewables Demo-Stations and there will be a new interactive visitor attraction entitled, Hands-on Heat Pumps.

The Energy Efficiency & Renewables Awards, supported by Natwest, has established itself in recent years as 'the one to win'. With scores of successful businesses now on the shortlist – an achievement in itself – industry is now eagerly anticipating the evening itself.

This year's ceremony will be hosted by Nick Hewer from the BBC's *Apprentice* and Channel 4's *Countdown*. Not only will Nick will be ably assisted by his *Countdown* co-host Rachel Riley, but also, the evening's entertainment will be enriched by not one, but two, comedians.

What's more the opening address at the Energy Efficiency & Renewables Awards is due to be delivered by the Minister of State for Energy & Climate Change, Greg Barker MP.

Book your table today to avoid disappointment:  
[team@energisevents.co.uk](mailto:team@energisevents.co.uk)

### Times & locations

- Westpoint Arena, Exeter  
- 10 September
- Ricoh Arena, Coventry  
- 12 September
- Metro Arena, Newcastle  
- 17 September
- Highland Centre, Edinburgh  
- 19 September
- Sandown Park, Surrey  
- 24 September
- Event City, Manchester  
- 26 September

### AWARDS

- Ricoh Arena, Coventry  
- 12 September

### 2013 Shortlist

<http://energyefficiencyexhibitions.co.uk/shortlist/>

To register for your FREE tickets, visit [www.energyefficiencyexhibitions.co.uk](http://www.energyefficiencyexhibitions.co.uk)

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# editor's focus

## Powrmatic

British-built louvred, casement & glazed natural and smoke ventilators, Powrmatic is a well-established UK manufacturer of natural and smoke ventilation products, with solutions that meet both the aesthetic and performance requirements of any project. It provides a full product application advice service to ensure the best product is selected to meet the required budget, design and regulatory requirements. Powrmatic is a member of the Construction CPD Service and offer free CPD seminars on the selection and application of ventilators for natural, smoke and heat exhaust ventilation systems.

enq. 119



## LouvreSol Specialist Projects

LouvreSol Specialist Projects' innovative SolLine Solar Shading allows it to create dramatic architectural façade features from bespoke, focal, design-led installation to functional solar shading systems – all engineered by its in-house design team. LouvreSol's continuing investment in developing designs translates into more efficient products, allowing it to stay competitive and innovative during tough market conditions. The company's pro-active approach aims to assist you with as much technical support as possible, to achieve the final design you and your client desire.

enq. 123

## Hambleside Danelaw

Hambleside Danelaw's triple skin barrel vaulted roof lights were selected for a new blue-chip aero-engine manufacturing facility as they were ideal for the 1,300m<sup>2</sup> metal standing seam system. The roof lights are comprised of Lo-Carbon StepSafe liner panels and Archlight outer weather sheets. They are manufactured from high grade GRP materials. Robert Baines of Northern Cladding commented: "The technical specification for the fire performance of the rooflights was a big driver for choosing Hambleside Danelaw's product as the liner panels meet the highest fire grade."

enq. 120



## Aluminium Roofline Products

Thorough testing and strict approval guidelines give the BBA-certified Mustang seamless gutter system a life expectancy of 30 years. ARP Ltd further control the quality of specified installations by only using trained and inspected approved installers. Specifiers and local authorities are turning to Mustang® for a reliable gutter system on either new build or refurbishment projects. Recent projects include 500 house for Wakefield District Housing and a five-year programme for Bedford Pilgrims Housing Association.

enq. 121

## Duration Windows

Trade aluminium manufacturer Duration Windows is pleased to announce the latest window in their steel replacement window range – Royale. Based on W20 steel windows the Royale has an ultra slim front-to-back measurement of just 32.5mm, giving the advantage that when replacing W20 steel windows no cutting back of plaster or wooden frames is necessary – greatly reducing installation time. The Royale has been specifically designed as a steel window replacement with looks and features so similar to W20 steel windows that it is suitable for conservation areas and listed buildings.

enq. 122



## Stoves Online

Fully automated wood pellet stoves are clean, easy and cheap to run. With the announcement of the new RHI biomass grant a central heating wood pellet cooker like this Klover Smart 120 now goes one step further and even earns money, with an anticipated return of around £18,000 over seven years. Klover is known for their stunning contemporary designs and high build quality and with this wood pellet cooker capable of doing all the heating, cooking and hot water for a family house, Klover has definitely taken woodburning into the 21st century.

enq. 124

## Limeco

Limeco manufactures HyperLime® hydraulic lime binders as sustainable alternatives to cement and gypsum for masonry construction. Mix HyperLime with aggregate and water for mortars, plasters and renders that are easy to use, workable, quick setting, breathable and absorb lots of CO<sub>2</sub>; the footprint of cured HyperLime mortar is 40kg/tonne or up to 80 per cent less than cement. HyperLime is cost efficient offering significant savings over alternatives. HyperLime 2, 3.5 and 5 are UK manufactured (ISO9001) and CE marked so permitted under UK building regulations and leading warranties.

enq. 125



## Domain

Domain can offer furniture and lighting from over 70 contemporary manufacturers. The company has extensive experience of supplying and shipping furniture internationally. For those of you who are not aware of Rimadesio, this is an Italian based company specialising in glass doors, sliding panels, walk-in wardrobes & furniture. The product, pictured, offers a pivoting door system with all internal fittings suspended from the front frame of the unit. To see the complete range of Rimadesio products, please see the catalogue section of the Domain website.

enq. 126

## Aqua Platinum Projects

Polypool swimming pool panels have one of the highest levels of insulation on the market. This reduces the energy loss in the swimming pool and results in lower running costs for the client as well as being environmentally friendly. Following changes to the Part L Building Regulations in 2010, insulation is now required for all indoor swimming pools in the UK. The Polypool panels not only meet but exceed these requirements and have manufactured to this standard for 20 years.

enq. 127

## Evolution Insurance Solutions Ltd



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enq.128



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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.

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enq.129



## Eco store brings area back to life

A neglected corner of Corby has been revitalised by a new Tesco store that is keen to be green, as James Pringle explains

Sustainability is high on the agenda for many building projects these days, but Tesco has gone so far as to bill its new outlet in Corby, Northamptonshire, as an 'Eco Store'.

The project's lead architect, Ellen Jones at Bedford-based Woods Hardwick, explains: "As this was a developer-led project, we've gone further with the sustainability aspect of the design than would typically be required and have achieved a high BREEAM Very Good rating. However, with BREEAM requirements becoming more rigorous and sustainability

appearing more evident within statutory requirements, the larger food retail providers are more and more turning their attention towards sustainable architecture and design.

"The development was designed to incorporate sustainability initiatives, reduce the building's energy consumption and significantly reduce its carbon footprint. These aims were driven by both statutory requirements and the retail operator."

The store has delivered against three criteria. First of these was to ensure that the retail store was fitted out in a sustainable

*‘Design features work in conjunction with the low-carbon and renewable options to deliver a total reduction in carbon emissions of up to 70 per cent’*

way, in terms of working practice and of material choices. The building had to be as energy-efficient as possible, and finally the project was expected to use renewable and low-carbon technologies where practicable.

Design features work in conjunction with the low-carbon and renewable options to deliver a total reduction in carbon emissions of up to 70 per cent compared with a like-sized standard store in 2006.

Sustainability initiatives include measuring sustainability against the BREEAM framework, which awards points across areas as diverse as air quality, ecology and encouraging cycling. The latter is done by providing well-lit cycle racks, showers and appropriate staff lockers.

The project set out to develop a waste management plan, with waste sorting and composting areas identified in the service yard. Wherever possible it used a timber frame and a sustainable cladding system to reduce embedded carbon by 20-25 per cent.

The lobby reduces draughts on the sales floor and, when combined with better back-door management, reduces demand for heating. There are roof lights and sun pipes with an intelligent lighting system and natural daylight supplements artificial lighting. This benefits the sales floor, staff areas and bulk store.

In a system of mixed-mode ventilation the Monodraught wind-catchers on the roof allow warm air to exit the building and cooler air to enter, reducing the need for artificial ventilation. When outdoor conditions are unsuitable these can shut off and mechanical HVAC will resume.

The site has a combined heat and power unit. Energy-efficient fit-out and feature lighting were part of the plans, and all small power items were reviewed for opportunities. Feature lighting increased energy efficiency or was removed.

Chemical refrigerants are a major contributor to global warming, and switching to a natural alternative with CO<sub>2</sub> refrigeration has reduced carbon emissions by 25 per cent.

Rainwater is collected from the roof and is used to provide water for the toilets, lowering water consumption and providing sustainability and revenue benefits. Improved metering of electricity, water and gas allows the building's users to better understand consumption and identify problems as soon as they arise.

Opened in March, the Tesco Eco Store provides 7,670 sq m

*Continued on page 29...*



© Anthony Weller

Intelligent lighting supplements natural lighting from roof lights (above) and sun pipes

## Comar at London Tesco



Comar Architectural Aluminium Systems; with their approved fabricator Ridgway Architectural Glazing recently completed a new Tesco Superstore in London E4. This new Tesco store has now been cited by the local authority and CABE as exemplary. The design vision was to create a continuous glass

façade to the new superstore. With this in mind, and to ensure the design brief could be achieved, Comar 6EFT was selected as it offers architects a flexible system, providing a structurally glazed solution, with options for facets, concealed vents and an extensive range of profiles that cater for large structurally glazed panes.

0208 685 9685 [www.comar-alu.co.uk](http://www.comar-alu.co.uk)

enq.130

## Crossgrip safety walkway on Berlin Ikea



Crossgrip roof walkway matting, manufactured in the UK by Plastic Extruders Ltd, has been installed on the rooftop of a large Ikea store in Berlin. Without the need of any welding equipment, 700 metres were laid in only one day by roofing contractor Dachland Berlin. The matting facilitates safe access to the store's

rooftop services while providing protection for the roof membrane. Crossgrip is loose laid and remains stable in winds of up to 96km/h -60mph. Due to its flexible construction, the matting contours easily over uneven surfaces and its raised 14mm height helps it to straddle ponding water. The loose lay system ensures the roof substrate remains free from fixing damage and means the matting can be easily and quickly relocated.

enq.132



## Nuway Connect keeps floors clean

With over a quarter of a million visitors every week, Castle Quay Shopping Centre in Banbury places a very high priority on public safety. Nuway Connect, one of Forbo's new flexible engineered entrance flooring systems has been installed in the six entrance areas of the Centre to keep interiors clean, dry and safe. Operations manager Nick James knew that he needed to specify highly effective entrance matting that would help to maintain the appearance of interior floor finishes and prevent slip hazards, and, given the volume of foot traffic, that could withstand intensive use. The system also had to provide safe and easy access for disabled visitors. A versatile mat design developed to provide a very high level of moisture absorption, Nuway Connect is available on open and closed constructions and in heights ranging from 10 to 22mm. Unlike most 'engineered' entrance flooring, Connect mats in an 'open' construction can be rolled up making it easier to clean matwells.

enq.134

## Pantone colour matched door sets



Vicaima's outstanding Portaro complete door system now has even more design and performance features, which makes this already unrivalled door solution an exciting prospect for designers, specifiers and shopfitters in the hotels, restaurants, retail and leisure sectors, and luxury apartment build.

Portaro provides the perfect partnership between door, frame and architrave, providing fully finished door, frame, architrave and ironmongery together in one single system, thus opening up numerous possibilities of interior applications, while offering assured on-site cost savings and guaranteed reductions in fitting time. The range of finishes has been extended to give probably the most extensive number of options available anywhere.

enq.131

## Metrotile – perfect for retail roofing projects



Metrotile's many benefits make it the ideal choice for retail building projects. From supermarkets such as Morrisons to retail parks and UK High St staples such as Argos, Metrotile has it covered. Metrotile Lightweight Roofing – Europe's No.1 lightweight roofing system – is the durable, versatile and sustain-

able roofing solution, chosen by specifiers across the world for its security, recyclability and aesthetics.

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enq.133

## Onyx 20mm – another exciting product



Long Rake Spar continually strives to introduce unique new products to the trade that have a high sell through rate, while offering a sound profit return. The sales of its recently launched, uniquely different Flamingo chippings have excelled in this respect, already outselling many established prod-

ucts such as Plum and Blue Slate in both, bulk bags and pre-pack; a fantastic achievement for this relatively new product. Following on from this success Long Rake now introduces 20mm Onyx, a further unique and highly decorative chipping. The enriching, golden, buff and apricot tones of this 20mm angular chipping uplift and contrast beautifully with paving.

01629 630133 [www.longrakespar.co.uk](http://www.longrakespar.co.uk)

enq.135

## Jeckells shade sails at Bartellas restaurant



Jeckells the Sailmakers have recently installed three shade sails over a South facing patio area at Bartellas restaurant in Meopham, Kent to enable comfortable, shaded eating on hot days. The traditional looking installation used wooden posts, with block and tackle rigging and cream coloured sails to blend in with the surrounds. The sail fabric chosen, however,

was state-of-the-art Textilene breathable mesh fabric, which is hard wearing and durable, yet allows a percentage of light to filter through giving a brighter, more airy effect underneath than traditional fabric.

01603 782223 [www.jeckells.co.uk](http://www.jeckells.co.uk)

enq.136



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*“Due to the structural timber being exposed, the interior has a much softer and warmer feel than you would come to expect in a large-format food store”*

Ellen Jones, lead architect,  
Woods Hardwick

The coffee shop is light and spacious with double-height corner glazing

(82,565 sq ft) of sales floor and a petrol filling station in a landscaped environment. The 7.8-hectare site presented challenging constraints, and Woods Hardwick made a detailed investigation of the area before devising a modern and dynamic plan for a part of Corby that had remained undeveloped for decades.

Timber glulam frame is used for the main structure, but there is a steel frame for low-level back of house areas and loading bays. The single-storey supermarket is clad in a combination of curtain walling and timber structural insulated panels (SIPs) faced in a larch outer rainscreen. The building is topped with Monodraught windcatchers, which are a statement feature and give sustainable natural ventilation to the store. Roof lights provide natural daylight to the sales floor. On the roof are composite panels with a Trocal membrane finish.

A terrazzo-tiled floor appears throughout the sales area and walls generally are metal stud with plasterboard finish. Ductwork, lighting and suspension cables are not covered by a false ceiling.

Exposed glulam timber frame can be seen in the store, and there is steel frame in the low-level back-of-house areas and loading bays.

“Because of the nature of the large spans created by the glulam beams, the sales floor has minimal columns, which afford greater flexibility for change,” says Jones.

“Due to the structural timber being exposed, the interior has a much softer and warmer feel than you would come to expect in a large-format food store. The big roof lights shed natural daylight into the retail space, which is further enhanced by the full-height curtain walling, giving an interesting well lit airy and environmentally comfortable space for the customers to shop in.”

A large coffee shop within the store been designed to overlook the site through the double-height corner glazing.

The site has been extensively landscaped and now has numerous pedestrian links and cycle routes, via seated stopping points and public art spaces. The routes are well defined tree-lined pathways, using desire lines and link through to the town centre and the train station. They have incorporated existing footpaths leading to the south of the site under the railway.

There are on-site bus stops and taxi ranks, alongside conveniently located disabled and parent and child spaces, all safely linked to the store via clear footpaths and crossing points. Also incorporated are electric car charging points in collaboration

*Continued overleaf...*

**BUILDING  
PROJECTS**

*‘The striking design of the petrol filling station’s main canopy, with its dramatic sweeping form inspired by a Fibonacci curve, forms a new landmark’*



© Anthony Weller



© Anthony Weller



© Anthony Weller

Public art was planned into the development to create a sense of 'place'

with the Electric Corby scheme.

The supermarket was designed to cope thermally with the additional demand placed on a building of this size and function. The walls' heat-loss U-value was increased from previous trial stores and SIPs were installed after being manufactured off-site.

The Corby Tesco Eco Store is the retailer's 50th regeneration partnership outlet and is one of the largest of its kind yet built. It has brought more than 300 new jobs to the area.

The striking design of the petrol filling station's main canopy, with its dramatic sweeping form inspired by a Fibonacci curve, forms a new landmark. It creates a new gateway to the retail site and is also a visual link to two other modern landmarks: the new railway station and the Corby Cube, which houses council offices, a library, a theatre and a bistro.

"This was a challenging and exacting brief to work on," says Jones. "Our response was driven by the complexity of the site's heritage as well as the requirement that the development, which was principally an out-of-town development, was to be treated and viewed as a town centre development."

The development includes a range of responses that reconnect the project to the area as a whole. Working with the local community, consideration has been given and issues addressed around pedestrian and cycle access and routes through and from the site.

An ecology zone wraps around the site allows species such

© Anthony Weller



as newts to be rehomed, and links to another environmental zone to form an eco corridor. Extensive planting, avenues of trees and positioning of bench seats address the desire to achieve an enhanced landscaped environment and add texture to the site.

The development has contributed significantly to the regeneration of this part of Corby and maintains the borough's emphasis on modern design in its "battle against becoming a clone town".

The area, acquired by Mulberry Developments, was formally known as Soothills. A brownfield site, the land had been contaminated through its association with the Corby Steel Works. It was critical the construction team worked closely with the Environment Agency.

From the ground up, all environmental criteria were addressed at the site from the outset to incorporate the most effective treatments. It was possible to approach the development in this way as the Woods Hardwick team was able to work closely with the developer and its client, Tesco.

No harmful materials were left on site after decontamination work over a period of years, but the presence of sulphur could, when wet, cause ground heave.

This challenge was overcome partly through the decision to build on piles and enable the ground to be encapsulated. The tubular recycled steel piles used were manufactured originally in Corby and had a previous life on North Sea oilrigs.

Alongside the steel piles are concrete piles and together they form the base to enable the floating construction to sit above ground and be isolated from it.

"This is a significant regeneration project, which has produced many job vacancies for the local community," says Jones. "That was managed through a partnership recruitment project, a collaboration between Corby Borough council, Tesco, the job centre and Tresham College.

"It was a stipulation of the planning consent that a proportion of the labour to build the project and the subsequent employment opportunities on the site were made easily available to the local residents and in particular to the long-term unemployed."

The site is allocated for the emerging Strategic Sites Allocation document for employment purposes. "It's identified in the emerging documents as being within an area with very poor quality buildings with retail, or employment or other development being noted as possible," says Jones.

"The development sought to enhance the area with innovative design and extensive landscaping, ecology and art installations to create 'place' using strategies normally associated with town centre schemes.

"We've had positive feedback about the new Tesco store from the retailer and the public. Despite the challenging constraints, we've created a modern and dynamic treatment for a part of Corby that has remained undeveloped for decades."

**Architect:**  
Woods Hardwick

**Main contractor:**  
Barr Construction

**Off-site civils and infrastructure:**  
Woods Hardwick

**On-site civils and infrastructure:** Pinnacle

**Structural engineers:**  
Pinnacle

**Landscape consultant:**  
Aspect Landscape & Planning

**Ecological and environmental consultant:**  
Pick Everard

**Services engineer:**  
URS Scott Wilson

**BREEAM consultant:**  
URS Scott Wilson

**Project manager:** DBK

**Planning consultant:**  
Pegasus

**Timber frame design, manufacture and installation:** Wiehag

**SIPs panels and external wall cladding:**  
A2O Group

**Curtain walling:**  
Frameworks

**Roof cladding:**  
Robertson Roofing

# Industrial evolution brings heritage site back to life

A derelict but historically significant industrial complex has been reborn as a sustainable production facility and attractive commercial showcase for an iconic British brand, reports Ray Philpott



CGI of the redeveloped distillery complex

Restoring a disused former paper mill littered with dozens of sprawling industrial buildings and a river running through its heart, might not seem the obvious choice for a company looking for a new production site.

But then, Bombay Sapphire, one of the most successful, distinctive and memorable gin brands in the world, prides itself on being different.

When it opens later this year, Laverstoke Mill will not only house the company's distillery, it will be its showcase to the

world – a state-of-the-art, revenue-earning visitor attraction in its own right.

Having outgrown its current facility in Warrington, the company needed to move the distillery element of its operation to a new location. After extensive research and consultation, rather than build a facility from scratch, it opted to restore and redevelop the historic mill site on the River Test in rural Hampshire, commissioning high profile designer Thomas Heatherwick and the Heatherwick Studio to lead design.



*'The 200-year-old complex has been brought back to life with a strong focus on delivering maximum energy and environmental sustainability'*

## Challenge

The site presented a major challenge. Last operational in 2005, it had become home to bats and newts, contained a number of listed industrial buildings and other structures of archeological and historical interest. Furthermore, the mill sits within a conservation area and the River Test is a Site of Special Scientific Interest (SSSI).

Nevertheless, the site was purchased in 2011, with enabling works beginning that year and planning permission granted in

February 2012. The two-hectare, 200-year-old complex has been brought back to life with a strong focus on delivering maximum energy and environmental sustainability.

Working closely with English Heritage and other conservation bodies, some of the 20th century and less important older buildings were dismantled by the main contractor Meller. Disassembled construction materials were catalogued and, where possible, reclaimed.

*Continued on page 35...*



## Vynagrip makes automotive automation safe



Bespoke Vynagrip anti-slip matting modules are being used to protect workers at the Sugitani Metal Industry Company, a sub-contractor of a major Japanese car manufacturer that specialises in the production of automotive components in Japan. The matting modules, supplied complete with bevelled edges, have been installed in the cutting operations area. Manufactured in the UK by **Plastic Extruders Ltd** and supplied by Japanese distributor **AM**

**Products Inc**, Vynagrip provides a safe and effective solution for this dangerous location. The combination of metal shavings, cutting oil and water used for cleansing, pose serious underfoot hazards for the workers and the matting addresses these multiple problems in one tidy answer.

enq.137

## Jablite flat roof inverted insulation



The British Board of Agrément (BBA) has certified **Jablite Flat Roof Insulation (FRI)** for use on zero fall flat roofs, balconies, terraces and green roofs. "This is the first time that an inverted roof insulation board for use on zero fall roofs has been approved by the BBA," says David Teasdale, Jablite's sales & marketing director. "We are very

pleased to finally have the BBA certificate in our hands. It was particularly pleasing that Claire Thomas-Curtis, CEO of the BBA presented it to us at our breakfast discussion about innovation and sustainability at the Gherkin." The BBA certificate approves the use of Jablite Flat Roof Insulation on zero pitch flat roofs and on all slopes between 1:80 and 1:6.

enq.138

## Floors for balconies, podiums and roof tops



The **Buzon** pedestal allows for the creation of raised floors on balconies, terraces and green roofs and can be used with any type of paver or timber decking. The clever system allows for the easy removal of the floor surface so that any problem area is easy to access, investigate and repair with minimal effort. The pedestals can support over 1,000kg each and have a built-in slope correction

device. This gives up to five per cent fall compensation and, as a result at ground level, the pedestal can easily be adjusted for uneven surfaces. With height adjustability of between 17mm – 1070mm, the pedestals allow unsightly plumbing and electrical services to be concealed under the floor.

enq.139

## SolarWall® delivers at Parcelforce centre



**CA Group Limited** has today announced that it has successfully installed its **SolarWall®** transpired solar collector (TSC) technology at the new Royal Mail Parcelforce distribution center in Chorley, Lancashire. The 495m<sup>2</sup> SolarWall® is the third consecutive TSC to be installed for Royal Mail as part

of its corporate and social responsibility commitment. The technology, which uses solar radiation to deliver naturally warmed fresh air into buildings, has the highest known efficiency of any active solar technology in the world, generating up to 500 Watts of thermal energy per square metre of collector. It is estimated that the new installation will save the Royal Mail somewhere in the region of 145,508 kWh and 28.81 tonnes of CO<sub>2</sub> per annum.

enq.140



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enq.142

*'The glasshouses reflect his client's core values: skill, craftsmanship and tradition combined with innovation'*

### Visitor attraction

The refurbished buildings include an attractive visitor centre with detailed design by GWP Architecture. It is one of a cluster of visitor-related buildings around the river. These include a cafe, shop, exhibition centre, bar and a heritage area that celebrates the history of the site.

The company's two 'still houses' where the gin is made were also conversions of historic buildings again with detailed design by GWP Architecture. These are undoubtedly the functional, beating heart of the site, but the visual jewel in the crown are two impressive glasshouses.

The striking buildings sit in the river as it winds its way through the mill complex. The river laps along the bottom of the climate-controlled glasshouses, which will contain living examples of Bombay Sapphire's botanicals – the all-important ingredients that go into making the gin.

Standing at 10m and 14m high, they echo traditional glasshouses but with a contemporary twist, literally. Featuring a tubular metal frame combined with curved UV resistant glass – none of the freeform glass shapes are identical – it is a striking blend of old and new.

The visionary skills of Heatherwick have been used to ensure the glasshouses reflect his client's core values: skill, craftsmanship and tradition combined with innovation.

The architect boasts an impressive pedigree including the Olympic Cauldron for the London 2012 games, the award-winning UK Pavilion at the Shanghai World Expo 2010, the rolling canal bridge in Paddington Basin, and London's new red double-decker bus – popularly known as the Borismaster.

Bombay Sapphire first approached Heatherwick about the project in 2010, building on a relationship stretching back to 2002 when he became the first winner of the Bombay Sapphire Prize – an international award for excellence and innovation in glass.

Visitor centre manager Will Brix explained: "Thomas seemed a very natural choice for us. We gave him a very clear perspective. Our primary driver was for the glasshouses to reflect our brand and project a very powerful image across the world – and we wanted to be able to open our doors to people."

*Continued overleaf...*



Two of the stills used for making gin (top) and (above) the visitors' cafe

**BUILDING  
PROJECTS**



© Heatherwick Studios



© Heatherwick Studios



## Realising the vision

Katerina Dionysopoulou, project architect at Heatherwick Studios, explained the thinking behind the designs.

“We wanted to preserve the historic elements of the site while properly representing the brand as it exists today and in future.

“Laverstoke Mill lent itself to this concept very well. We were able to utilise the existing credentials of the mill, while creating something aesthetically fresh and surprising. The production buildings keep the feeling of tradition, while the glasshouses represent the progressive nature of the brand.”

The glasshouses were intended to elicit a feeling of surprise and curiosity, both in design and, very importantly, function. From a design perspective, they appear to billow out of the second still house, softly and gently meeting with the water below to create an almost ethereal spectacle amid the very earthly actuality of a functioning industrial area.

Dionysopoulou added: “We felt it was important to create a structure which celebrates the botanicals used in the gin itself. In this way, the contents of the glasshouses and the fascination of seeing the herbs and spices growing in situ is as emotionally and aesthetically important as the structural element of the design.”

Each glasshouse has a different internal environment: one is humid for cultivating tropical species and the other is dry and temperate for Mediterranean species.

“This isn't the type of thing you'd typically see in a distillery, where raw ingredients are delivered ready for processing. By reclaiming them and placing them at the heart of the production site in a living form, we aim to create a feeling of wonder

and enhance visitors' understanding of what goes into gin,” explained Dionysopoulou.

The studio often engages with external consultants at an early stage to develop designs that are challenging and new.

“In this case, we worked closely with Arup on the structural engineering aspects of the design. We spent a lot of time working out how to build the structure in such a way as to emphasise the tension of the actual shape and form of the structure. The main challenge was ensuring we had the technical information we needed to be totally confident our design could be built. We tendered for the job and selected specialist manufacturer Bellapart to work with us in fabricating the two structures.

“While manufacturing is often associated with large-scale output, we felt the success of the design depended on being able to tease out a surprising sense of detail and subtlety.

“We've worked closely with both Arup and Bellapart over recent months to ensure our original intent is carried through to the details. To ensure the details are seamless and in keeping with our vision, we created a full-scale mock and tweaked things where necessary.”

The metal frame is being built in Spain and delivered in prefabricated sections and assembled, along with the glass panels, on site.

Soft planting on the edges of the inside of the buildings where it meets the water blends with natural planting on the river banks, visually creating a natural, unbroken link between the buildings and the water.

---

**‘The production buildings keep the feeling of tradition, while the glasshouses represent the progressive nature of the brand’**

Katerina Dionysopoulou,  
project architect,  
Heatherwick Studios

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*Continued overleaf...*





*'The designs of the distillery process buildings have been awarded the world's first BREEAM Outstanding sustainability rating for buildings of that type and use'*



**Client:**  
Bombay Sapphire

**Architects – glass houses:**  
Thomas Heatherwick/  
Heatherwick Studios

**Architects  
(detailed design):**  
GWP Architecture

**Environmental and  
sustainability consultant:**  
GWP Project Services

**Main contractor:** Meller

**Glasshouse fabrication:**  
Bellapart

**Glasshouse engineering:**  
Arup

**Structural engineer:**  
Graham Schofield  
Associates

## Sustainability challenges

As well as preserving and respecting the mill's industrial heritage, Bombay Sapphire always intended the site to be as sustainable and environmentally friendly as possible – even during the restoration and construction process.

It has installed a biomass boiler that will generate space heating and hot water by burning the spent botanicals from the gin-making process. An inherited hydropower system is being reinstated to generate electricity for the visitor centre. This uses a traditional horizontal water wheel – technically an open-flue Francis turbine – reclaimed from elsewhere, and powered by a 1m water drop

The designs of the distillery process buildings have been awarded the world's first BREEAM Outstanding sustainability rating for buildings of that type and use – an impressive accolade.

Diverting and improving the river that now forms a key visual element and will help generate electricity, presented a particularly significant challenge.

Barry Rankin, director at GWP Project Services, an independent company responsible for ensuring the site's sustainability, explained why. "Originally the river flowed through an unattractive concrete trough and we wanted to upgrade this and improve riverbed diversity, with minimal disruption to existing wildlife.

"It took a year to divert the river, a lengthy process that included continuous consultation and liaison with the Environment Agency and Natural England. We diverted it through some existing natural channels moving all the fish in the original channel by hand!

"The riverbed was dredged, regraded with new gravel, given new soft plantings and a couple of new 'meanders' because it is better for the fish."

Elsewhere, hollow 'bat bricks' have been installed in buildings to enable bats to continue roosting at the site.

"Daily checks were carried out to ensure the ecology of the site and the heritage structure were not being compromised during – and after – the work," added Rankin.

During the refurbishment a buried water wheel was discovered and excavated, and the remains of a Victorian ice house were found. Both have been recorded and catalogued by archeologists, with the wheel reburied in gravel for ease of access in future.

All the hard work is now starting to pay off, with initial test samples of gin scheduled to start flowing from the stills this month.

The visitor centre and glasshouses should be completed by late autumn and, once they are up and running, Bombay Sapphire has ambitious plans to attract up to 100,000 adult visitors a year to Laverstoke Mill.

And by the look of things, people will be clamouring to visit.

# 100%design®

## What's new for the UK's largest design show?

This September sees 100% Design, the UK's largest and longest running contemporary design event for industry professionals and the public, come to Earls Court for four days, from 18 - 21 September

Following unrivalled success in 2012, 100% Design is 40 per cent bigger than last year and will see over 25,000 visitors, making it the main commercial event during the London Design Festival (LDF).

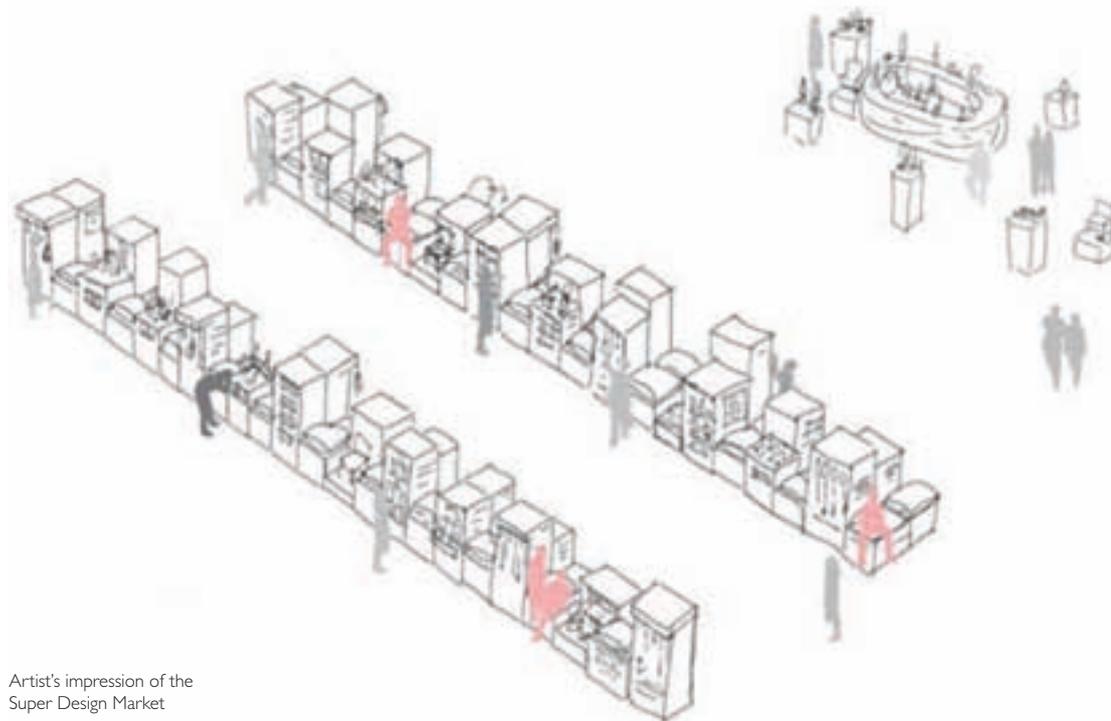
Creative Balance, this year's visual concept and show theme, provides the exhibition's visual identity and an exploration of creative process and its value in the commercial world. Conceived by specialist communications design agency Thomas.Matthews, the marketing campaign was devised by Form. Creative Balance will underpin the show's award-winning layout, content and commissions.

Following last year's success, the curation of the show will again focus on four industry sectors, each arranged around a central 'hub' – Interiors, Office, Kitchen & Bathroom, Eco Design & Build – creating clear navigation for visitors. The

hubs will showcase the work of thought-leaders across the design community with space to meet, learn and be inspired. The Central Bar at the heart of the show is reached through a 66m-long tunnel, designed by creative and live events specialists Studio Design UK.

This year, the Interiors hub will explore the growing emphasis on 3D printing as an accessible method of production. A new global competition staged with creative collaboration agency Talenthouse will see selected pieces produced before and during the show within a specially designed interior. Issues of sustainability, quality and empowerment of individual makers will be demonstrated and debated live. The expanded Interiors section will also house a newly established marketplace for interiors accessories (Super Design Market pictured).

*Continued on page 41..*



Artist's impression of the Super Design Market

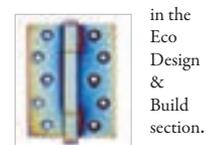
### Look out for



When it comes to making an entrance grand, CANAL has the knowledge and engineering expertise to transform contemporary design ideas into magnificent metalwork structures that make impressive statements in residential and commercial properties. Find out why architects and specifiers choose CANAL as their bespoke architectural partner by visiting **stand E7**.

enq. 143

SIMONSWERK will again be exhibiting at 100% Design, showcasing the latest developments in its comprehensive hinge portfolio including a new fire-rated hinge and a range of products with a new PVD corrosive resistant finish. Plus one-to-one demonstrations of the PRODUCTSELECTOR information system for architects. Visit **stand E19**



in the Eco Design & Build section.

enq. 144



Formica Group marks 100 years of invention, innovation and design leadership. The company partnered with world-renowned design consultancy Pentagram to create an engaging 2013 anniversary campaign for its iconic Formica® brand, including the Anniversary Collection features 12 new patterns that reflect the Formica® brand and its history. Visit **stand E360**.

enq. 145

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Stand E12

enq.148

The Office hub will be created by design practice TILT, presenting the dramatic Hanging Room concept (pictured) in which suspended room elements can be lowered and raised to continually change the hub's function. The practice is at the forefront of codesign, which integrates end users into the design process to create spaces uniquely tailored for the communities using them.

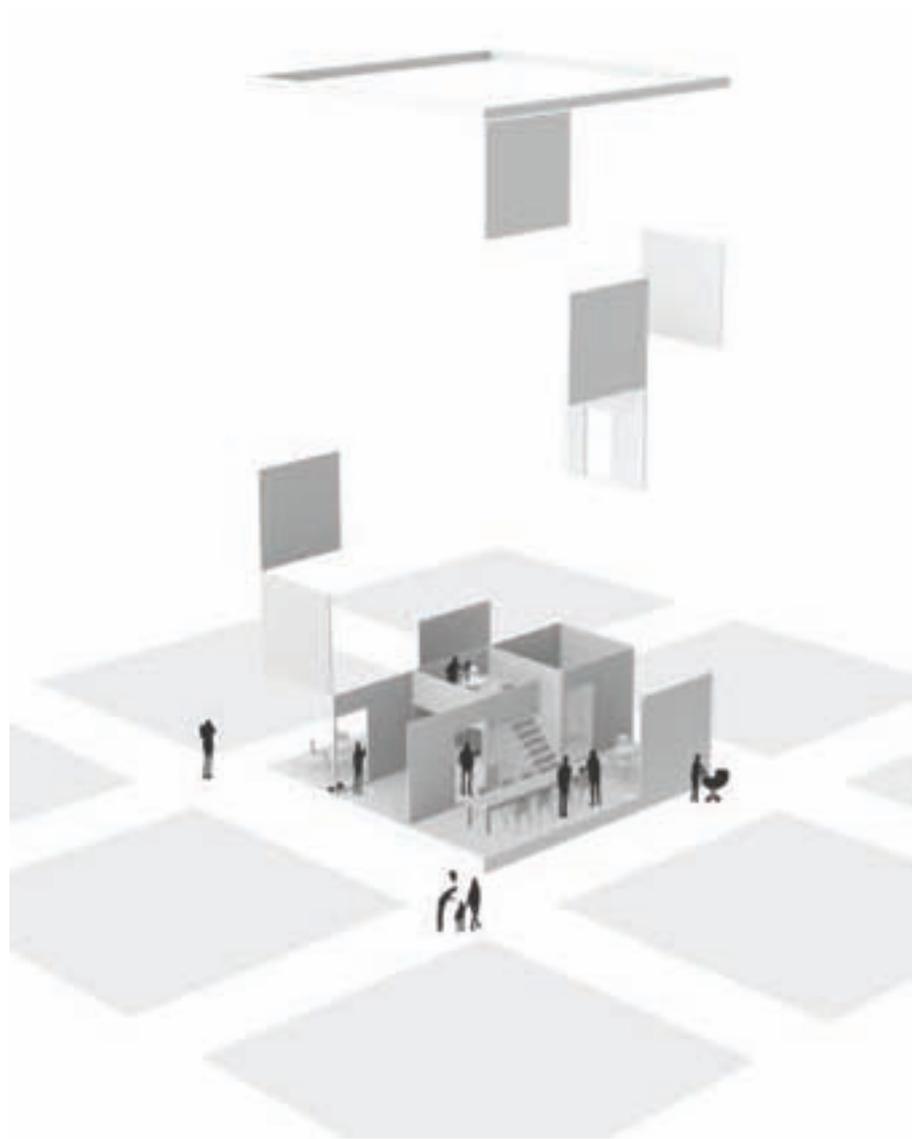
The Kitchen & Bathroom hub will incorporate the show's restaurant, serving specially chosen seasonal foods that can be grown domestically. The space will explore design's role in enabling micro agriculture, demonstrating the opportunities in local and individual food production. A separate installation will present the latest technology, trends and concepts in the bathroom industry.

The Eco, Design and Build hub will be produced by London-based materials resource studio Material Lab. The ever-changing installation will inspire interaction with some of the world's most innovative building and architectural materials.

100% Design has expanded its International Pavilions, taking 3,000 sq m of space within Earls Court 1. Design regions from France, Italy, Portugal, Argentina, South Korea, Taiwan and China have already been confirmed. This section's hub will be informed by London's longstanding status as a global meeting point for innovation and talent across the creative industries.

A new feature at 100% Design 2013 is the Gateway exhibition, providing opportunities for early-career designers to be recognised at the show. Working with some of the UK's leading design organisations, Gateway links the two Earls Court spaces. Initiatives include Delight in Light with the Lighting Industry Association, Future Pioneers with Design Council and a showcase of recent Royal College of Art graduates. Gateway also highlights established British excellence through Design Guild Mark alongside special exhibits from leading UK architectural institutions.

*Continued overleaf.*



Tilt Hanging Rooms cafe render

## Look out for



Richard Rogers

***In Icon Presents In Conversation With Richard Rogers and Christopher Turner, Richard Rogers will open the Talks programme on Wednesday 18 September, 11:00-11:45.***

*This is a unique opportunity to gain insight into Richard Rogers' architectural practice from a career spanning over five decades.*



Giulio Cappellini with Candy Tables

***Creative Balance with Giulio Cappellini, 19 September, 11:00-11:45***

*Headline speaker and legendary design hero Giulio Cappellini will be drawing on the wealth of his experience with a stimulating talk about finding the fine and exact equilibrium between design innovation, product function, form and commercialism.*



**Bright Green Technology** is excited to be exhibiting for the first time at 100% Design. They will be showing their LED Light Panel, a slim, efficient and creative way to bring light to any project.

Architectural features can be made directly from the panels, which can be created in almost any size. For creative lighting solutions visit Bright Green Technology at stand E12.



Dollop by Ash Allen

**Don't miss Emerging Brands, providing a platform for design companies that have been in operation for five years or less**

Along the show's central boulevards Emerging Brands, provides a platform for design companies that have been in operation for five years or less; showcasing new products and ideas for interior and product design.

British designer Benjamin Hubert will create the 2013 auditorium, providing a dramatic backdrop to Talks With 100% Design; the UK's largest design talks programme. Confirmed speakers include Tom Dyckhoff, Channel 4 architecture critic, chairing a panel debate on UK Architecture and a session from New London Architecture with Peter Murray. Giulio Cappellini will headline Thursday's programme, with subsequent sessions being staged with the RSA, Frame Magazine and The British Council. Across the show, specialist events will provide detailed and professionally accredited CPD modules

for architecture and interior design in each of the hubs.

For more information or updates on the talks and seminars itinerary, visit the website [www.100percentdesign.co.uk](http://www.100percentdesign.co.uk)

**Dates for 100% Design 2013:** Wednesday 18 - Saturday 21 September, Earls Court, London

**Opening times:** Wednesday, Friday 10am-7pm (Trade), Thursday 10am-9pm (Trade), Saturday 10am-6pm (Public day). 100% Design is open to the public on Saturday 21 September. Children under 16 will not be admitted on trade days. Seminars are free to attend.

**Get your ticket now by visiting [www.100percentdesign.co.uk](http://www.100percentdesign.co.uk)**

**Check out the twitter pages for [100% Design @designlondon](https://twitter.com/designlondon) and [Talks With 100% Design @talkswithdesign](https://twitter.com/TalksWith100Design)**

**Look out for**



With the trend for utilitarian interior design taking hold, **Solus Ceramics** introduces the stylish Replicate range, a concrete inspired floor and wall tile that embodies an industrial aesthetic. Replicate is influenced by urban architectural trends and industrial landscapes, and features nine contemporary colours including raw greys and rustic browns. Visit stand E50.

enq. 150

**Marble Hill showcases new Bell Fires- 3 range**



**Marble Hill:** The new Bell 3 range of gas fires offers a new concept in efficiency and heat output. The chambers are made of thick walled, heat resistant steel with an outer casing of thick steel ensuring maximum heat omission, ranging from 2-12kw output & 85 per cent efficiency. Available with the newly developed floating frame concept & ceramic glass

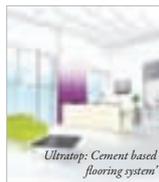
mounted behind the profile allowing it to float optically giving an even more realistic effect. Being balanced flue a traditional chimney is not required thereby offering endless installation and design opportunities.

enq. 151

020 8892 1488 [www.marblehill.co.uk](http://www.marblehill.co.uk)



**Mapei inspire designers at 100% Design**



Mapei is encouraging designers to use their creative licence and gain inspiration from its exhibition stand at 100% Design between the 18-21 September 2013. Mapei will be exhibiting a selection of their environmentally friendly products including Silexcolor protective and decorative wall coatings system, Mapefloor resin flooring system and Ultratop Industrial cementitious flooring. Located at stand

E1, Mapei will be displaying Silexcolor Marmorino. Suitable for interior and exterior wall applications, Silexcolor Marmorino creates an attractive marble aesthetic. Differing design options in finish, texture, colour and hues will be on display to allow designers to explore ideas to enhance any project.

enq. 152

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enq. 153

## KI – UniteSE is evolving at 100% Design



KI will be launching Cornerstone, a new acoustic stacking screen system designed by Craig Jones, at 100% design on stand number 0320. This enables a complete system including the breakout areas to be within the same footprint. It is designed to provide a natural extension and integrate with the UniteSE workplace collection and other manufacturers furniture systems. Also featured will be the Red Dot Winning Faveo 24/7 task chair and Opt4 Seating range. The design brief for Cornerstone was to create a physical link between workstation, storage, and screening, providing a natural progression into the third space. The use of acoustic materials with the option of an internal or external solution is considered valuable to the user.

enq.154

100%design Stand O320

## Caesarstone introduces Supernatural range



The new 5000 Series – the Supernatural range, has been inspired by nature after Caesarstone recognised growing international trends for natural wood, earth and stone colours. The nature-inspired designs give the surfaces the look of natural stone in earthy tones, with its rich texture-like appearance similar to that of a classic marble look. So not only

is the 5000 Series aesthetically stunning, it also benefits from the durable qualities Caesarstone's quartz surfaces possess. With Caesarstone, you have the full advantage of having chosen a stone that is both attractive and practical, and comes with a 15 year guarantee.

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100%design Stand K330

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The goal is to create interiors and furniture that match its clients' style and budget. Each piece of furniture is tailor made and specially produced. All collections and design elements work together to create a visual range that is unique, functional and stylish.

You can view Amberth's wide range of finishes, materials and existing designs at its Islington showroom. Experienced staff are always happy to help with all your project needs, from start to finish. Having worked with both private clients and architects, Amberth's project managers and designers will work with you to make sure your client is happy in their home.

enq.156

0207 354 8958 [www.amberth.co.uk](http://www.amberth.co.uk)

100%design Stand K240

## adf newsletter

Emailed on a fortnightly basis the Architects Datafile newsletter is designed to provide the architect with the latest information on products and services of interest, direct to their inbox. The reader can quickly gather a snapshot of information from 12 carefully selected companies and easily follow links through to further information on the [www.adfonline.eu](http://www.adfonline.eu), or go direct to the company's own website. Brochures and videos are also regularly available.

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100%design Stand D8

enq.157



# The best in low carbon construction and innovation

*Timber Expo will take place at the NEC, Birmingham, 24-25 Sept*

The show will also include the ProTimber Summit, the best entries from the TTJ Innovation Awards and a range of special invitation only industry events and association meetings.  
[www.timber-expo.co.uk](http://www.timber-expo.co.uk)

**T**imber Expo will be taking place at the National Exhibition Centre (NEC) Birmingham this September. Now in its third year, over 5,000 visitors are expected at the UK's leading timber trade show including architects and designers, engineers and contractors, local authorities and a wide range of those working in the built environment.

It will be two days brimming with the latest products, innovations and developments across the timber sector – not just from the UK but from an increasingly diverse international market. It will also be the official launch venue of the rebranded UKTFA as the Structural Timber Association.

With just a month to go before the doors open, here are some essential highlights not to miss at the UK's truly national timber show.

## Exhibition floor & international content

A huge range of 170 companies from all four corners of the timber industry will be unveiling their latest products and services plus giving advice on how best to use the construction industry's leading mainstream low carbon building material. Overseas exhibitors and representatives already include: Austria, Belgium, Bolivia, Canada, Finland, France, Germany, Ghana, Italy, Latvia, Malaysia, Netherlands, Poland, Russia, Spain, Sweden and the USA.

## Timber Talks

A key element to the show and a central part of the Expo experience. Timber Talks will deliver an unrivalled collection of high calibre speakers from all four corners of the built environment across both days including: Mace, Willmott Dixon, Land Securities, Architype and Waugh Thistleton. From niche areas to leading trends, the Timber Talks will be characterised by key industry topics, major names, super projects and big issues – and they are all FREE!

## Seminar Theatre 1 – the Fabric First Theatre

Built by Frame Wise, the Fabric First theatre will extoll the virtues of building with an airtight building envelope in mind and its superior thermal properties – making it ideal as the basis of a modern energy efficient building.

## Seminar Theatre 2 – the Solid Wood Theatre

Built by B & K Structures, this eye-catching building will showcase the strengths of timber and advanced closed panel timber technology and show why solid wood use is beginning to soar in the UK.



## Toolbox Talks

New for 2013, a new section of CPD presentations will focus on the detail of processes, technologies and solutions on display at the show. From manufacturing process to on-site engineering solutions, Toolbox Talks will complement the Timber Talks and will be held in a purpose built 30 seat presentation theatre.

## Timber Accord Pavilion

Sponsored by Timbmet and building upon the Timber Accord agreement signed in 2012. The Pavilion will be situated at the heart of Timber Expo on the main exhibition floor, this will be a unique opportunity to touch base with twelve leading trade bodies representing the supply chain of the forestry and timber industries, in the same place at the same time.

## Wood Awards shortlist 2013

The Wood Awards is the UK's premier award in the timber sector and will once again recognise outstanding design, craftsmanship and installations in wood that have taken place over the last 12 months. The 2013 shortlist will be unveiled and on show throughout Timber Expo and you will be able to hear more about the projects in the Timber Talks programme.

“The 2013 show is shaping up to be tremendous in every way,” said Timber Expo event director, Loretta Sales. “The show is nearly 80 per cent sold out with an expected 170 companies exhibiting this year. The move to the NEC has grabbed everybody's attention and will make exhibiting and visiting very easy indeed. The content we have lined up is superb. TRADA has really pulled the stops out with the Timber Talks seminar programme and there will be something to appeal to everyone. The big boost for 2013 has been the level of overseas interest. Alongside an expanding European scene we are now hosting trade pavilions too. You won't find this much timber technology anywhere else.”

## Look out for



Installing ScreedBoard\* from Collecta removes time consuming wet trades from the floor construction. The unique lay and lock, dry screed system makes it quick and simple to install a high density, ultra performance floor with a screed look finish. ScreedBoard\* is ideal for a multitude of under floor heating and soundproofing applications. Visit them on stand D8.

enq. 158

The logo for ADF, consisting of the lowercase letters 'adf' in a bold, red, sans-serif font.

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enq.304



**Gainsborough Specialist Bathing** has launched a new range of assisted showers. These new modular shower units provide architects with several advantages and are ideal for new build or retrofit installations in long term care or acute care settings. Stylish yet exceptionally durable for high traffic environments, the assisted shower modules come in three sizes and incorporate Gainsborough's MicroGuard antimicrobial protection technology and thermostatically controlled showers.

enq.330



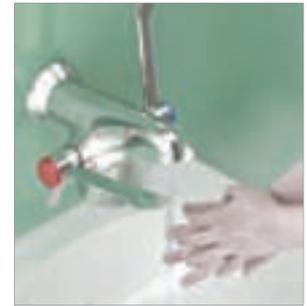
Another great device on show at Ecobuild 2013 was the EcoSink, by Ecoservice, a compact in-sink food disposal device which, unlike traditional disposal units, grinds the waste rather than cutting or shredding it. The EcoSink uses less water and energy than other waste disposal units and its powerful and reliable permanent magnet motor operates more than three times faster than other systems, pulverising even tough raw and cooked food waste in seconds.

enq.309



**Grant Westfield Ltd** is proud to announce the launch of washwall; a comprehensive range of vanity solutions that tackle the grey area of service integration, in an innovative, design-led manner. From a basic vanity top, to a modular unit complete with taps, soap dispensers and hand driers concealed in an easy-access, mirrored service cabinet washwall simplifies installation and meets the needs of the end user. Washwall is supported on the award winning clipclad system.

enq.304



The OPTITHERM® thermostatic clinical tap from **Horne Engineering** has been chosen for the New South Glasgow Hospitals project currently under construction. The Building Better Healthcare award-winning tap was selected for this high profile project as a result of its thoughtful design, which promotes best practice hand – hygiene compliance through its novel user interface and optimal flow and thermostatic performance. Learn more at Healthcare Estates 2013, Stand E7.

enq.302



## Great deals on decorative cladding

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enq.305



**Induced Energy** has completed a shipment of 18 bespoke under-the-counter induction hobs to a prestigious Beijing hotel. The units will be used in the buffet hall, mounted under a 'pyrolave' stone counter. Rosie Sanders, MD, comments: "It's very gratifying to know that, given the flood of budget-priced induction hobs coming from the Far East for the domestic market, we are able to prove that quality and British engineering count when sourcing durable products for the catering sector."

enq.303



**JT** has launched an Anti-Slip solution for their extensive range of trays. The colourless application can be ordered and added to the full range of JT's British manufactured trays. The new Class C, independently tested, Anti-Slip solution, exclusively available to JT, is part of the UK production process and ensures the product retains a premium look, with the advantage of a non-slip surface. The treatment is available on all JT40 Fusion, JTNATURALS, JTMerlin and JTUltracast products.

enq.328



**National Plastics:** Tiling has been the traditional method of choice for bathrooms and wet rooms. But traditional tiling involves a lot of work. No matter how hard you try, over time, grouting stains inevitably develop. It's no surprise then that a new wave of householders & developers have cottoned on to the benefits of PVC cladding. Simple to use and easy to install, this product not only looks great, but thanks to new lines constantly being added, it comes in a wide range of colours to suit all tastes.

enq.305



The Sanispeed pump, one of the products in **Saniflo's** Professional Range, is designed to handle waste in light commercial applications. Its powerful 400 watt pump can handle waste evacuation from a dishwasher, kitchen sink, washing machine – and even a bath or shower – when access to gravity drainage is not an option. With a working temperature of 35°C it can handle up to 75°C for short periods if needed and pumps up to 70m horizontally and up to 7m vertically through a 32mm discharge pipe.

enq.301

## apollo monza aluminium column radiator



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3 days delivery for white, 7 days for colour (46 to choose from)

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enq.306

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enq.307



Taplanes Ltd provides pre-fabricated solutions to a variety of end users throughout the UK and Ireland. With a strong client base including universities, schools and several major hotel groups, Taplanes pre-formed shower enclosures overcome the inherent problems associated with conventional bathroom areas. Innovative designs and product reliability ensure Taplanes is the preferred choice in both the refurbishment and new-build sectors. The pre-fabricated construction provides many advantages over traditional construction methods.

enq.307



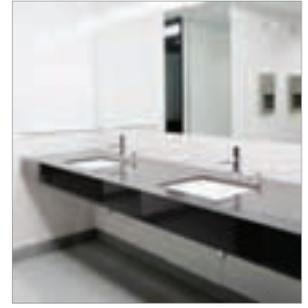
Victoria Plumb has added to their extensive furniture range with a new, stylish collection: Planet. The Planet Range features six pieces of furniture (between £119 – £299), with a mix of free standing and wall hung pieces, including a contemporary back to wall toilet unit and a choice of both wall hung and free standing drawer units and basins. This minimalist design is ultra-modern and sleek, with a stunning white gloss finish and soft closing door detail on all units.

enq.329



British shower manufacturer and designer, Roman, has reported they have seen a large surge in the amount of employees who are cycling and walking into work at their head office, with a massive 15 per cent of staff now regularly walking or cycling in each week, despite their out of town location. This figure, from British shower manufacturer and designer, Roman, beats the average national statistics for England, which highlights that 10 per cent of adults in England cycle at least once a week.

enq.331



Dolphin Dispensers is a specialist manufacturer of stylish and practical washroom dispensers, bathroom dispensers and toilet dispensers for commercial use, including manual and infrared dispensers. Dolphin also offers a range of other washroom fittings including hot air hand dryers, nappy change units, taps and flush valves; plus a wide portfolio of bathroom accessories and consumables.

enq.332



Floor level shower base

The fastest, easiest and most cost effective wetroom floors  
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enq.308

## Is your sink an EcoSink?

EcoSink's powerful waste disposal unit fits under your sink to quickly and quietly grind your food waste into particles, flush it into the waste water system and save it from landfill.

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Uses less water and energy than other waste disposal units, so it's more environmentally friendly.

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enq.309



## Simple changing places

Specification and architectural drawings for 'state-of-the-art' accessible toilets is simplified with a new facility. The National Building Specification (NBS) service has used expertise from **Clos-o-Mat** to add a complete raft of details for Changing Places accessible toilets to its range of specification products. Now, all equipment required for a compliant Changing Places hygiene room can be 'drag and dropped' from the online resource, ensuring the specification is completely accurate. A Changing Places toilet/hygiene room is a new recommendation under Building Regulations, and delivers more space and more equipment than conventional Document M type accessible toilets. "Specification is an essential part of the design process. A badly written specification can cause major problems for every member of the project team, and can cost the client a great deal of money. A well written specification can enhance project delivery and save money," explains Robin Tuffley, Clos-o-Mat marketing manager.

enq.310



## Washroom solutions from Latham's

As part of its new range of washroom solutions, **James Latham** is now offering moisture resistant, high performance melamine faced chipboard (MFC) as well as a range of matching compact grade laminate (CGL). The moisture resistant MFC incorporates two decorative melamine surfaces, which are bonded to both sides of the high density chipboard under high pressure and temperature. They will be offered in 10 different decors. Also available, is a selection of matching compact grade laminate (CGL) in 14 different decors. Compact grade laminate offers the ultimate performance in the most demanding environments. The panels are extremely resistant to impact and have surfaces and cores that are totally impervious to water. Both of these new range additions will be colour co-ordinated with Latham's existing range of high pressure laminates (HPL) and 2mm thick ABS edgings.

0116 257 3415 [www.lathamtimber.co.uk](http://www.lathamtimber.co.uk)

enq.311

## Rustic Modern Oak



**Renolit Cramlington Ltd** is pleased to announce the introduction of Oceanic, a vibrant oak which is full of character, into the Renolit 3D stock range. Oceanic is a modern oak with rustic details provided from subtle small knots, planking, tight cathedrals and minute wood graining, which combine to achieve the overall success of this superb classic oak. The design is complemented with the highly realistic Woodtouch surface finish. Oceanic is available in two opposite colour ways to offer quite diverse options within the ever popular oak category. Renolit Alkoren Oceanic A 46743 has a pale natural colour with a lighter underlying background and contrasting slightly stronger knots which provide realistic detail. While Renolit Alkoren Oceanic B 46771 on the other hand is dark with green under tones. It's sophisticated and dramatic styling is enhanced by the wider patterns of time deepened tones, which contrast with paler elements from within the design. Renolit is the market leader in 3D thermoforming films. The company's surfacing products have been developed to meet the highest standards of design, quality and performance. The Renolit 3D Stock Range is presented as two individual brands, each with distinctive and appealing product characteristics.

01670 718122 [www.renolit.com/design](http://www.renolit.com/design)

enq.312

## New modular shower units for care environments from Gainsborough Specialist Bathing



**Gainsborough Specialist Bathing**, Europe's leading choice in hi-lo assisted baths, has launched a new range of accessible showers to complement its baths and recently introduced ceiling track hoists. Part of the Care in Bathing group, Gainsborough has manufactured in the UK for over 25 years and these new showers provide architects, designers and building specifiers with several advantages. The modular shower units with low-level access and integrated folding seats are ideal for new build or retrofit installations in long term care settings. Both durable and versatile, they are ergonomically designed for improved carer and resident comfort. They incorporate Gainsborough's innovative MicroGuard antimicrobial protection, which greatly reduces cross-infection and TMV2/3 thermostatically controlled water prevents scalding. Available in three modular sizes for various room layouts, the new assistive showers from Gainsborough maximise accessibility in high traffic bathing environments. Each shower module comes with an easy access, slip resistant shower tray and is available with half-height shower doors or flat glass screens. Showering comfort is further enhanced with the addition of a soft-touch, padded seat or mobile shower chair to assist with client transfers in and out of the bathroom.

0800 542 9194 [www.gainsboroughbaths.com](http://www.gainsboroughbaths.com)

enq.313

## Kitchen trends 2013



When deciding on the right kitchen for the job, be aware that a white kitchen has been one of the most popular kitchen colours over the last decade. This prolonged popularity with consumers and tradesmen alike, is largely due to the versatility of the colour. White units match

with anything – from wood flooring and worktops to stone and corian. **Magnet Trade** has a wide range of white kitchens to meet the requirements of all projects, from the modern classic Innsbruck kitchen to the new Integra White kitchen. Customers will find that these kitchens aren't just stylish but practical too, so allay any fears that a white, contemporary kitchen is a compromise on useability.

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

enq.314

## Lustre Integral moulded basins and worktops



**Mereway Bathrooms** offers attractive, innovative products and their stunning collection of Lustre range comprises 14 avante garde finishes in beautiful marble, granite, sparkling and solid colours that allows infinite design possibilities for bathroom designers. Integral moulded basins are right on trend currently and the Lustre collection offers seven beautifully formed moulded basin designs in oval and

square shapes and in both inset and semi countertop styles. A superior product that's made to last; Lustre surfaces boast a high quality construction while offering consistency in colour and finish.

0800 028 4466 [www.merewaybathrooms.co.uk](http://www.merewaybathrooms.co.uk)

enq.315

**adf**

newsletter

Emailed on a fortnightly basis the Architects Datafile newsletter is designed to provide the architect with the latest information on products and services of interest, direct to their inbox. The reader can quickly gather a snapshot of information from 12 carefully selected companies and easily follow links through to further information on the [www.adfonline.eu](http://www.adfonline.eu), or go direct to the company's own website. Brochures and videos are also regularly available.



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## Three is the magic number



**Beko**, is once again spearheading category innovation with the launch of its new three door fridge freezer model, extending its flexible 'multizone' technology into the 60cm category. In addition to being a standard fridge freezer, the middle door on the appliance cleverly houses a 'multizone' compartment, which allows householders to easily change the temperature between a fridge, freezer, chiller or wine cooler with the simple touch of a button. With the many offers currently available from supermarkets, it can often be difficult for consumers to store everything. 'Multizone' technology provides them maximum flexibility.

01923 810801 [www.beko.co.uk](http://www.beko.co.uk)

enq.316



Amwell's washroom cubicles have been designed with style and strength in mind.

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enq.317

## Thinner's a winner in worktops



Agglomerate is the fancy-sounding name **Granite Transformations** applies to its kitchen worktop and bathroom surfaces. It's beautiful, tough, durable and much thinner than other materials like granite, marble, engineered stone or solid synthetics, but equals or exceeds them in technical performance terms. To prove it, Granite Transformations offers an unrivalled lifetime

material warranty. So, with the millionth agglomerate about to be installed worldwide, what makes this distinctive material a winner in the kitchen and bathroom? It's lightweight, slimline, tougher, lasting, easycare, resistant, greener, affordable, versatile and beautiful.

0800 044 5393 [www.granitetransformations.co.uk](http://www.granitetransformations.co.uk)

enq.318

## Ellis Furniture's latest designer colourways



**Ellis Furniture** has added two new design led finishes to its Spirit range of kitchen furniture. Offering the perfect combination of superior quality and luxury with a contemporary design, Spirit also comes in at a very desirable and affordable price point, making it a most attractive offer.

Spirit Chocolate Grey combined with Spirit Cirrus creates a truly warm and calming kitchen. Featuring the latest melamine (MFC) textured doors in natural and warm tones, the contrast between the richness of the Chocolate Grey and the warmth of the off white Cirrus is dramatic and inviting. A fully matching carcass is available in both colours.

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

enq.319

## Kemmlit Cubicles on the menu for Five Guys



Five Guys, the fastest growing burger restaurant chain in the US has just opened its first UK restaurant in Long Acre, Covent Garden, which features Kemmlit's stainless steel Classic Cell cubicle system in their washrooms. For the restaurant's washroom facilities, Kemmlit's Classic Cell cubicle system in

a brushed stainless steel finish was specified. This cubicle system with its straight profiled lines is a timeless design classic and features 42mm thick smooth surfaced welded doors and sound reducing floor to ceiling dividing partitions. Available in a range of colours and finishes Classic Cell is part of an extensive range of high performance cubicle and locker systems from Kemmlit that are exclusively available in the UK from Skirmett Washrooms.

enq.320

## Foil wrapped doors with ECO credentials



**Crystal doors** offers the widest selection of MDF, foil wrapped doors in the UK, to include curved 3D panels and doors of up to three metres in length as well as industry leading eco credentials. 99.8 per cent of Crystal Doors' waste material is recycled which impacts positively on the environment and the price and quality of their products. They use MDF produced with timber from sustainable sources. Waste material is specially burnt to keep their factory at the optimum temperature required

for producing foil wrapped doors with the best levels of heat resistance.

01706 351010 [www.crystaldoors.com](http://www.crystaldoors.com)

enq.321



## Wet room wonders from Schlüter-Systems

**Schlüter-Systems'** extensive range of wet room products offers simplicity, reliability and easy installation within the home. Incorporating the very latest innovations for floor-level showers and wetrooms, Schlüter-Systems provides a fully integrated product suite, including top of the range waterproofing sets, drainage systems, and uncoupling and waterproofing membranes for tiling the walls and floors. Products including Schlüter®-KERDI-LINE are linear drain channel systems, which are perfect for the construction of floor level showers and offer a particularly low assembly height. The Schlüter®-KERDI-SHOWER range consists of pre-sloped shower bases, making tiling straightforward. There are also a number of different sizes and dimensions available, providing an ideal substrate for an excellent finish with tile or natural stone. Other products in the range include the Schlüter®-KERDI-SHOWER-TB, which has been specifically designed for timber substrate environments.

01530 813396 [www.schluter.co.uk](http://www.schluter.co.uk)

enq.322

## S-Box



The remarkable **S-Box** from Cardinal Innovations offers you 'pop up' vertical drawer storage solutions at the push of a finger for almost any room. The double award winning 'pop up' mechanism does not rely on electrics or gas struts like many other perceived similar products. Instead it uses a unique counter

balance system, which is well proven and utterly reliable. The Power Box, one of many products within the S-Box range offers you useful power sockets as and when you need them, giving you a totally clear surface when not in use. Choose from a 3x 3pin power socket model or a 2x 3 pin and USB Model.

01274 200900 [www.the-sbox.com](http://www.the-sbox.com)

enq.323

## Top of the class with Cambridge University



**Rada**, the experts in commercial showering and washroom controls, has supplied its market-leading products for the refurbishment of six Cambridge University colleges. Students, fellows and faculty at the sites will benefit from the use of Rada's robust

washroom products in accommodation blocks. A range of Rada shower valves and associated fittings featured within the refurbishment works at Cambridge University's Jesus College, Wolfson College, Selwyn College, St John's College, King's College and Downing College. The large scale project saw many Rada products specified and installed during the University's 2012 summer break, with more than 200 Rada V12 exposed thermostatic shower valves with accompanying chrome fittings fitted at Selwyn College alone.

enq.324

## Kaldewei – Sound Wave



Sound Wave is the first audio system for Kaldewei 3.5mm steel enamel baths that plays music from Bluetooth-enabled devices such as tablets, smartphones or laptops. With the bath acting as the sound box, it provides an audio experience with a difference – with or without water. Simply pair up your Bluetooth device (up to a maximum

of eight per household) to play your favourite tunes. And, if you are already the discerning owner of a Kaldewei bath, then fear not as all models can be retro-fitted with Sound Wave.

0800 840 9770 [www.kaldewei.co.uk](http://www.kaldewei.co.uk)

enq.325



## Changing places made easy

New Building Regulations are causing confusion for many specifiers – confusion that can be clarified with new guidance from Clos-o-Mat. Under Building Regulations Approved Document M 2013 Access To & Use of Buildings, toilet accommodation needs to be suitable not only for disabled people, but for all people who use the building. Further, it is 'desirable' to include an enlarged unisex toilet incorporating an adult sized changing bench – a hygiene room or Changing Places toilet. To help ensure compliance, Clos-o-Mat has produced an informative white paper: *Considerations & Specification of Changing Places Accessible Toilets*. The white paper covers all requirements for compliance in one place, and can be downloaded direct from Clos-o-Mat's website. Clos-o-Mat, founded 50 years ago, is the only company in its field with the in-house capability and expertise to design, supply, install, commission and service all the equipment for a hygiene room/ Changing Places toilet, from grab rails through hoists and height adjustable basins to automatic ('wash and dry') toilets and toilet lifters.

enq.327

## Firm has designs on new kitchen projects



Project:ff&e, the specialist provider of furniture, fittings and equipment, has been appointed to a trio of new projects and won a FIRA Innovation award as a result. The Halifax-based company has been chosen to use its innovative new Fortis kitchen on three flagship projects. The brief involved providing water-resistant kitchens

without a cost premium. Because there was no existing product on the market, Project:ff&e created its own unique designs. The Fortis range works by reducing liquids getting into the joints between two pieces of worktop and also running down the front of a unit, getting into the drawers and underneath.

0843 289 5227 [www.projectffe.com](http://www.projectffe.com)

enq.326

# JT NOW AVAILABLE WITH ANTI-SLIP

ANTI-SLIP is now available on all JT40<sup>®</sup>FUSION, JTNATURALS<sup>™</sup>, JTMERLIN<sup>®</sup> and JTULTRACAST<sup>®</sup> products.

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- Conforms to BS7976-22002, Din 51097
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enq.328



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enq.329

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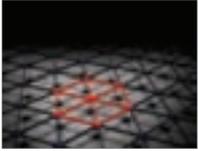
ASCOT



**GAINSBOROUGH**  
Specialist Bathing

enq.330

## Tensor achieves first CE Mark



**Tensor International**, a global leader in soil-reinforcement and ground stabilisation technology, has used its spirit of innovation to ensure even its most unique products hold CE Mark status. While the majority of manufacturers are able to achieve the mandatory CE Mark status for their defined product type through the

harmonised standard route defined in the Construction Products Regulation (CPR), companies such as Tensor, which offers a triangular geogrid structure that performs a function not yet covered by a harmonised standard, must take an alternative route to CE Marking. Recognising this, the team at Tensor opted to go down the alternative approvals process, achieving CE Marking for its patented TriAx technology via the European Technical Approvals (ETA) route. enq.159

## Tensor welcomes new Vice President



**Tensor International**, a global leader in providing value-engineered solutions to stabilise and reinforce soil and pavements, has today announced the appointment of Tim Oliver as its new Vice President for Global Technology. Having spent more than 30 years with Tensor, Tim has held various roles – developing his managerial and business acumen alongside his technical expertise.

While Tim's tenure with Tensor has more recently seen him work from the company's UK headquarters in Blackburn, Lancashire, Tim has also undertaken a two year assignment as vice president of global marketing based at Tensor's Atlanta office in the United States. enq.161

## Brett permeable paving meets needs



Permeable paving supplied by **Brett Landscaping** has provided an effective Sustainable Drainage Solution (SUDS) for a car park site in Cheltenham. The complex is designed in such a way that requires a specific functional infiltration method to cope with excessive water levels, while preventing detrimental effects from flooding – something which the site has previously experienced. In order to obtain the best paving solution for the site's water drainage needs, Brett Landscaping used its PermCalc design software,

focusing on specific techniques and detailing to achieve the optimum mix of functionality and aesthetics. enq.160

0845 6080570 [www.brett paving.co.uk](http://www.brett paving.co.uk)

## Rainwater harvesting from Polypipe



**Polypipe** offers Rainstream – a range of rainwater harvesting options. Ideal for new build, retrofit and already seeing major interest from the self-build marketplace, Rainstream is a very simple straightforward rainwater harvesting 'package'. The Polypipe Rainstream system is available as a gravity fed or a

pressurised system. Within a gravity fed system, water is pumped from the Rainstream tank to a header tank in the loft. The water is then fed to each appliance by gravity. Pressurised systems use a pump to feed water directly to the appliance or appliances on demand. Installation of a Rainstream system from Polypipe will reduce mains water usage by around 50 per cent. enq.162

01709 77 00 00 [www.polypipe.com/building-products](http://www.polypipe.com/building-products)

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Geosynthetics you can trust

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enq.163



## New concrete will save time and effort

A new range of ready-mixed concretes named HOPEFlow™ has been launched by Britain's leading independent concrete supplier **Hope Construction Materials**. HOPEFlow™ is a suite of high-performance flowing concretes and screeds that can be placed in a fraction of the time of conventional concrete. The product also provides a top-quality surface finish that requires little or no remedial work. HOPEFlow™ can be designed to suit any construction need and comes in several mixes to meet contractors' requirements. It is ideal for most concrete jobs, from foundations and floors to walls and columns. It flows easily around complex formwork and busy rebar, and there's no need for vibration so it's safer and quieter too. Karl Lawes of Co-Dunkall Ltd, one of the first to use HOPEFlow™, said: "Using HOPEFlow™ you can generally get a new build plot of 150m<sup>2</sup> poured and finished within three hours, giving the customer the surface finish that they require."

enquiries@hopeconstructionmaterials.com  
www.hopeconstructionmaterials.com

enq.164




- Suitable for homes without access to mains drainage
- Discreet solution to on-site sewage treatment
- 10 models in the range with a capacity up to 50pe
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enq.167

## SR Timber urges caution



100 per cent safety claims for roofing battens are lulling roofers into a false sense of security, warns **SR Timber**, one of the leading distributors of specialist roofing battens and the renowned 'Premium Gold' battens. As the industry has rightfully and successfully educated roofers into understanding that graded battens are much safer than ungraded battens and save both wastage and time, many roofing suppliers have sought to capitalise on this by promoting their product offering as being 100 per cent safe. Trading director at SR Timber, Shaun Revill, explains: "Most of the graded battens that are currently available are generally of a high quality, but they should never be marketed as 100 per cent safe. There can be faults that could potentially prove lethal."

enq.165

## Detailed look at damp proofing products



Help with the technical planning of DELTA systems for foundation wall protection, drainage and waterproofing, is available in a 40 page brochure from **Delta Membrane Systems**. The brochure has comprehensive information on how DELTA products can be used for the efficient protection from damp and water for buildings, cellars, underground parking lots, and tunnels. Important codes regulating waterproofing and drainage are highlighted before the brochure goes on to focus on the DELTA range of products and the wide range of solutions they provide for a variety of damp proofing and drainage. Detailed information is given on the products themselves, their construction, applications and performance benefits.

enq.166



## Brick Awards 2013 shortlist revealed

The **Brick Development Association (BDA)** has announced the shortlist for the 2013 Brick Awards, one of the top design and construction awards in the country. There are 13 awards split into three categories: housing, building and landscape, and technical and craft. There is also the Supreme Award – the Brick Development Association Building of the Year, judged to be the best overall project from the 14 award winners. 2012 saw a new category in the annual Brick Awards, the Architect's Choice Award. This award is open to any architectural student or practicing registered architect from around the world who can vote for the shortlisted project they believe demonstrates the best architectural use of brick. It will be granted to the project which receives the most votes. Now in its 37th year, anticipation is growing for BDA Awards, which will be presented at London's Marriott Grosvenor Square Hotel on 14 November.

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

enq.168



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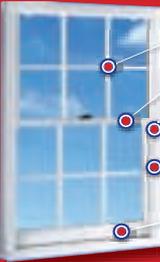
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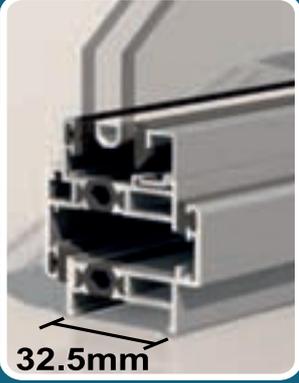
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## Crittall's galvanizing know-how wins plaudits



Leading steel window manufacturer Crittall has had its expertise in 'Duplex' galvanising protection – where paint is factory applied as a topcoat to a galvanised product – recognised with an award from The Galvanizers Association. Crittall won 'Best Duplex' in the Association's 2013 Annual

Competition for the hot rolled galvanised steel profiles and cold-formed galvanised steel doors it supplied during the refurbishment of the iconic Falmer House at the University of Sussex. The building, which houses various University services and the University of Sussex Student Union, was designed by the world renowned architect Sir Basil Spence in the 1960s.

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

enq.172

## Professor Yi captures 'spirit of the location'



Against the spectacular background of Tower Bridge and the Shard, Professor Eun Young Yi shared his controversial architectural perspective on the London skyline at GEZE UK's exclusive evening reception. More than 150 architects gathered on the deck of HMS Admiral Landside. GEZE's role in the development of Stuttgart City Library did not go unnoticed. One knowledgeable guest took the opportunity to ask

Professor Yi how he felt about the quality of the door closers used throughout the building. Without hesitation, Yi replied: "I can't lie. GEZE has the highest standards and products are of excellent quality. We only had one problem – and that was with one of GEZE's competitor's products."

enq.174

## VBH stocks Maco Automatic Lock



Is a key really needed? VBH says, 'not with the Protect Z-TA lock range'. Hardware supplier VBH has added the automatic locking Maco Z-TA multi-point door lock to its range of keyless door locking solutions. Suitable for all Eurogroove doors, Z-TA features three

locking latches, two hooks and a central deadbolt. When the door is closed all three latches pull the sash in against the frame, providing compression over the full door height. A magnet in the latchplate then triggers the locking mechanism to engage the deadbolt and hooks. A single turn of the cylinder now renders the door fully secure, making Z-TA ideal for the elderly or infirm.

enq.176

## Brio introduces weatherfold 4s window



Brio is introducing the Weatherfold 4s Window 35 and Weatherfold 4s Servery 35 architectural fixings. Brio Weatherfold 4s Window 35 is designed for exterior folding windows in residential and light commercial applications with up to six panels folding in each direction. The hardware has been upgraded to carry wider and heavier window sashes

of up to 1,000mm, weighing 35kg each. A new recessed bottom guide system not only provides stability for folding up to 12 window sashes, its concealed low profile design and excellent weatherproofing capabilities make it an ideal option for window sills. Designed with convenience and durability in mind, the new guide system is also extremely easy to install and maintain.

enq.178

## What a 400kg door can do for you



A floor-to-ceiling patio door means the inside of a home is much brighter. If your client is someone who takes pride in their taste in interior design, then having a bright room will show up the colours in their furniture and décor. The energy-saving properties of a timber sliding door can be remarkable too. Partly due to modern glazing technology, and partly due to the sealing properties of the Roto gasket system. The enhanced threshold means there's nothing to trip over (Patio Life is Part M compliant, suitable for wheel-

chair users and people who use walking aids). The door really does slide without effort. Instead of lifting the door, the mechanism moves the sealing gaskets. The Roto handle is easy to use: turn it, and the door is then free to slide.

enq.173

## Securistyle completes Trek50 challenge



Securistyle, the well-established manufacturer of quality, innovative hardware for the window industry, is celebrating the huge achievement from members of the team who successfully completed the Trek50 Challenge on 23 June. The challenge involved a 50 mile trek around the Pennines on the Lancashire /Yorkshire border, and this had to be undertaken in under 24 hours. While undeniably the team was able to bask in some beautiful scenery, some of the climbs involved totalled more than 2,400m, which is the equivalent to both Ben Nevis and Snowdon combined!

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

enq.175

## Metal Technology improves the view



Metal Technology has supplied over £2 million (installed value) of their System 5-20Hi+ (high insulation) Tilt and Turn windows to Stockport Homes' recently completed, £24 million refurbishment scheme at Mottram St. More than 2,000 Metal Technology windows were installed on four apartment blocks in a 12 month programme designed to upgrade the flats' energy efficiency and external appearance.

Designed with sustainability in mind, the system enables the specifier to meet the latest thermal requirements of building regulations while giving the added benefits of ventilation and the ability to clean the windows from inside the building.

028 9448 7777 [www.metaltechnology.com](http://www.metaltechnology.com)

enq.177

## Zinc overlapping panel alternative



The VMZINC 200 Overlapping Panel system provides the ideal alternative to conventional shiplap timber cladding, as zinc does not lose its colour, corrode or need regular maintenance. Panels are available in 2 and 3 metre lengths, are 200mm wide and can be used for installations of

up to 30 metres in height. Available in distinctive pre-weathered colours such as ANTHRA-ZINC (black) and QUARTZ-ZINC (mid-grey), the system has been designed to be easy to install with panels simply fixed to either a metal or timber framework. Flashings come in standard 3 metre lengths and as with panels and accessories for standard details such as eaves apron strips.

01992 822288 [www.vmezinc.co.uk](http://www.vmezinc.co.uk)

enq.179



# Brise soleil

Amy Revell, sales manager at LouvreSol Specialist Projects Ltd explores the characteristics of modern solar shading

**B**rise soleil, originating from the French meaning 'Sun Breaker' has evolved immensely over the last 20 years, and has become a credible addition to our 21st century architecture. Now an important consideration when beginning the initial designs of a new project, brise soleil has the unique ability to transform an ordinary looking building into an architectural success by creating depth and intrigue, while having a practical performance.

Brise soleil draws the eye to different lines and shadows, creating interest and dimension, however, it doesn't just sit there looking pretty. Through clever design, brise soleil can have a huge impact on the reduction of solar glare and direct heat gain, while still allowing significant natural light and outward vision. These features assist in creating a comfortable living or working environment, reducing the need for costly air conditioning. Brise soleil does not consume any energy, or omit any ozone damaging chemicals, but assists the building with a long term solution to help combat overheating.

When budgets are tight, brise soleil is usually one of the first things to be removed, however this is a short sighted view. If designed correctly brise soleil can reduce running costs of

a building significantly over a long period of time, virtually maintenance free, making it a very cost effective product. Brise soleil can also be integrated into a complete façade system by incorporating walkway systems, allowing safe and easy window cleaning and general maintenance access.

In order to achieve the balance between appearance and performance, a few simple points are crucial to consider. To achieve maximum performance, horizontal blades should be used for south facing areas and vertical blades used on east and west facing areas, blocking the most glare and heat gain, as the sun moves throughout the day. The number of blades is important, as this will reflect the size of shadow that will be created. Sun path analysis programmes can be used to advise what the projection of the brise soleil would need to be, to ensure solar coverage is achieved. Sun path analysis can also help when trying to value engineer the brise soleil, as there may be too

*Continued overleaf...*

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*'Brise soleil can have a huge impact on the reduction of solar glare and direct heat gain, while still allowing significant natural light and outward vision'*

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Amy Revell



*'In a world where we are being asked to be environmentally friendly and improve our waste levels, brise soleil manages to fall nicely into this category'*

Amy Revell

much sun coverage. This can show ways of reducing the amount of blades, in turn reducing the overall cost.

To ensure a smooth installation, early design input from the brise soleil specialist is crucial, and should be taken as soon as possible. Brise soleil features can be very adventurous and cover a large expanse, which have a huge impact upon the loadings imposed upon a building's structure. Brise soleil, if an aerofoil shape, is very much like an aeroplane wing. In high winds it wants to 'take off' due to the aerodynamics of its shape. Dead loads also need to be considered in our ever-unpredictable UK weather. Heavy rain showers bouncing off the blades and settling snow and high wind speeds put pressure on the connecting details and the structure. Structural calculations are imperative at the early design stage in order to assess whether the structure is substantial enough, and allows bracketry to be engineered to suit the loads.

In a world where we are being asked to be environmentally friendly and improve our waste levels, brise soleil manages to fall nicely into this category. The majority of brise soleil, does tend to be aluminium, which is 100 per cent recyclable and has an infinite life span. We have also seen an introduction of timber brise soleil, which can be sourced from sustainable sourced forests.

Brise soleil should be a serious and integral feature of our new generation of sustainable and long lasting buildings.



enq.180



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enq.182

# New french sports and cultural centre uses RMIG solar shading

Contact RMIG on 01925 839 600  
Email [info.uk@rmig.com](mailto:info.uk@rmig.com)  
Or visit the website [www.rmig.com](http://www.rmig.com)

A new sports and cultural complex in France is using 4,000 sq m of solar shading manufactured from perforated aluminium by RMIG, to help reduce solar gain and energy consumption, while still allowing natural light to enter the building.

Designed by Paul Chemetov architects 'Le Vendéspace'© is located in Mouilleron le Captif, within the Vendée area of Western France and incorporates three large halls within the building's 21,000 sq m of flexible space, which can be configured to provide seating for between 1,000 and 4,900 spectators.

To ensure that high levels of natural lighting enter the building, the architect chose to cover the structure in energy efficient glass, but to also utilise an extensive solar shading system to not only reduce heat build up within the building, but also provide the structure with a distinctive external appearance.

The unique perforation pattern incorporated within the 'louvred' solar shading structure was created specifically for this project by Paul Chemetov architects and RMIG worked closely with the contractor Nouvelle Metallerie Pavageau to ensure that the complex design could be manufactured to the exact specification.

As the pattern was a repeating design, RMIG produced a number of prototypes for approval by the architects before creating a special tool for its advanced perforation press in the UK, which allowed every one of the shading louvres to be perforated identically.

RMIG produced a total of 7 kilometres of solar shading from 2mm thick EN5005 grade aluminium alloy, which has excellent weathering resistance, before being post formed and coated in a copper coloured PPC finish by the contractor prior to installation.

enq.183



## Panel Systems works with architects



Sheffield-based insulation distributor Panel Systems has helped to raise awareness across the UK of the plight of the millions of children across the world that live on the street, by supplying cut Styrofoam models for two special exhibitions which were held recently in London. Panel Systems responded to a request from

Threefold Architects, based in London, to provide charity Street Child World Cup with Styrofoam models to enable three London schools to make models of the cities of Rio de Janeiro and London. Panel Systems designed the Styrofoam base models using their CNC machining capabilities to cut 16 blocks of Styrofoam into two basic pyramid shapes, a rectangular shape and a circular shape.

enq.184



## Ascent™ an advance in wall envelope design

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enq.185

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# Introducing blue roofs: sustainable engineered drainage

Alumasc has pioneered the development of blue roofs in the UK – a new concept in stormwater management at roof level that allows attenuation of rainwater rather than instantaneous runoff. Simon Poë, technical director for Alumasc Roofing Systems, explains the need for these advances in rainwater drainage

**T**he recent increased frequency and severity of flooding in the UK has served to highlight the need to complement conventional drainage systems with a range of sustainable measures that can provide additional drainage capacity.

The Flood and Water Management Act (2010) aims to manage flood risk within the built environment by placing responsibilities on the Environment Agency to develop and implement a national flood and coastal erosion risk management strategy, which will inevitably have important implications for building design. Furthermore, with the government's Water Strategy for England (published by DEFRA in 2008) having acknowledged that 'below-ground piped systems can never be built large enough to cope with the extreme rainfall events', the new strategy will need to have a key focus on Sustainable Drainage Systems (SUDS).

Blue roofs are a relatively inexpensive option as, unlike most other SUDS tools, they occupy otherwise-redundant roof space without extending beyond the building's footprint into scarce and expensive urban ground space. They are designed to alleviate flood risk by reducing and controlling the peak rate of discharge in compliance with design requirements; facilitating the detention of stormwater, up to a prescribed maximum hydraulic head, for subsequent discharge over an elongated period of time. Blue roofs can include open water surfaces but can also be used in buried applications.

## How does a blue roof work?

Blue roofs restrict the maximum permissible discharge of stormwater from the roof. As a result, during more intense storm events, rainfall will exceed the rate of discharge leading stormwater to temporarily back-up on the roof until such time as the outlet has the capacity to discharge it.

The reduction in peak rates of runoff, and the associated elongation of the runoff period, is important to flood risk mitigation. By restricting the peak rates of runoff from the roof, rainfall does not instantly discharge from the roof into the subterranean drainage or waterways; reducing the probability of sewer overflow and localised flooding. This is particularly important where sewers carry both waste and storm flows, due to the added health risks of a surcharge.

However, it is essential that any method employed for the sustainable detention of stormwater adopts a controlled approach and avoids neglecting important safety requirements.



Firstly, the restriction of flow must be carefully estimated; establishing the peak rates of runoff and the associated depth (or stage) of water that forms on the roof surface. Secondly, the appropriate safety measures must be in place – from the provision of safety overflows (in the event of rainfall exceeding design storm criteria) to the adoption of a robust planned and preventative maintenance programme. And, thirdly, the roof's waterproofing layer, and the detailing of it, is integral to the success of a blue roof system; protecting the building against water ingress.

## Waterproofing

Clearly, the temporary storage of water at roof level requires the highest confidence in the waterproofing solution. A single point warranty, covering the waterproofing and drainage systems, should be obtained for added peace of mind.

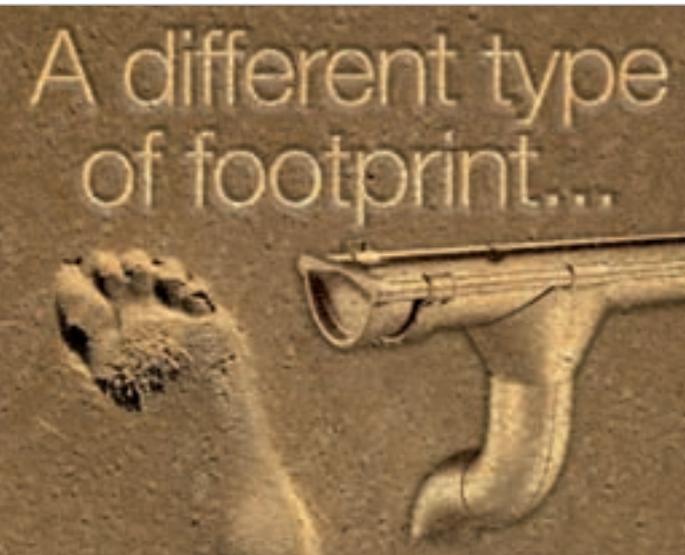
*Continued on page 65...*

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*'Blue roofs are a relatively inexpensive option as, unlike most other SUDS tools, they occupy otherwise-redundant roof space'*

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enq.186

## Yeoman Rainguard 'polishes' up colour range



In line with today's market demands, Yeoman Rainguard, the UK's market leader in rainwater systems has expanded its exciting colour range to now include a choice of metallic shades. The metallic colours have proven a popular choice for contemporary design and are available in the Aluminium range while the Vision Range holds a wide range of colours for both aluminium & GRP systems. Along with offering colours from a standard pallet, Yeoman Rainguard can supply any BS5252 (inc BS4800) colour as well as the RAL colour range. A colour matching

service is also available. Yeoman Rainguard systems also include a stunning choice of copper, zinc, stainless steel and traditional cast iron.

enq.187

## Quality rainwater goods from Polypipe



Polypipe Building Products offers its enhanced and extended Elegance cast iron effect uPVC rainwater system with the addition of the unique notched gutter concept for its Ogee profile to add to the original half round profile. The Elegance range has been designed in such a way that each profile in the range utilises a common

downpipe, making installation and ordering very simple. In addition it has a range of soil and vent products in a matching cast iron effect finish based on the Polypipe 110mm soil pipe, supplied in 3 metre lengths with a selection of sockets. The range uses Polypipe's popular push-fit system for quick and easy installation.

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## Why plastic gutters when you can fit Rainline?



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together for a perfect watertight fit – no special tools are required. Available in 10 stunning high build polyester colours the finish of which is guaranteed for 15 years, Rainline is also available in natural copper. Rainline is available from all leading builders' merchants.

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## RigiSystems Alubond BBA Certification

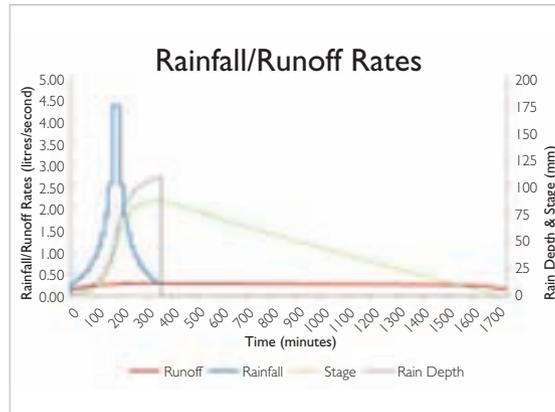


Alubond aluminium composite sheets have now achieved BBA certification. RigiSystems has the exclusive rights to distribute Alubond ACMs in the UK, Republic of Ireland and France. Commenting on the certification, RigiSystems sales director Grahame Rankin said, "Alubond USA is the largest metal composite brand in the world, typified by extreme flatness and great durability. We are very pleased to have now achieved BBA certification, which will allow us to further increase our sales of the brand in the UK and give increased confidence to specifiers and contractors alike in using our products and services."

01905 750500 [www.rigisystems.org](http://www.rigisystems.org)

enq.190

Project Details			
Location	London	Outfall Size	10 mm $\phi$
Roof Area	240 m <sup>2</sup>	No. of Gutters	2 No.
Site Location	100 m <sup>2</sup>		
Design Storm Inputs			
Return Period	100 years	Intensity Profile	EN Summer
Duration	6 hours	Climate Change Factor	80%
Design Storm Characteristics			
Rainfall Depth	109.04 mm	Peak Rainfall Intensity	5.01 l/s/m <sup>2</sup>
Rainfall Rate	0.87 l/s		
Blue Roof Response			
Peak Runoff Rate	0.285 l/s	Peak Runoff Intensity	0.112 l/s/m <sup>2</sup>
Attenuation Time	23 hours	Max. Stage	87 mm
Drainage Volume	22274 litres	Outflow Duration	0.26 hours



*'A blue roof can contribute to the attenuation of the kind of storm event that can induce localised flooding'*

### Blue roof response

A blue roof can contribute to the attenuation of the kind of storm event that can induce localised flooding. For example, in response to a storm event with a return period of 1 in 100 years, when rainfall depth is 109mm, and peak intensity is 5.01 l/s, the peak rate of runoff is 0.285 l/s (a peak reduction of 94 per cent). In this case, the maximum stage of water reaches 90mm, before draining slowly over a period of 27 hours.

### Conclusion

It is often said that the key to good design is simplicity; and the blue roof concept has adopted this governing principle. While anybody can reduce the size of an outlet to restrict flow, the consideration and control of the wider issues is imperative to the engineered drainage approach that has been employed in the development of blue roof solutions.

enq.191

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enq.192

## Educational copper



Dudley College's aspiration for a bold contemporary building which respects its historic town centre context is realised with completion of Dudley Evolve, characterised by horizontal copper panels from **Aurubis Architectural**. In addition to Nordic Standard mill finish copper, Aurubis Architectural, supplied panels in Nordic Brown and Nordic Brown Light, both pre-oxidised at its factory to give straightaway the same oxidised surface that otherwise develops over time in the environment. The thickness of the oxide layer determines its colour: either Nordic Brown Light or the darker Nordic Brown.

01875 812 144 [www.aurubis.com/finland/architectural](http://www.aurubis.com/finland/architectural)

enq.193

## EQUITONE adds 'sense of innovation'



EQUITONE [natura] has created a striking and visionary aesthetic on the new £9.9 million Northern Design Centre at Gateshead Quayside. EQUITONE is the new international brand for **Marley Eternit's** architectural façade materials and brings together the ranges [natura], [tectiva], [pictura] and [textura]. Red Box Design Group specified EQUITONE [natura] because its tactile, smooth, semi-translucent surface, which allows the natural variegation of the fibre cement to show through,

helped deliver their vision of creating a building that 'exudes a sense of innovation'. The material is available in a wide choice of colours as well as an optional 'Pro' coating to give additional protection against staining and graffiti.

enq.195

## CitiDeck solution for Library Street



The Library Street housing development in South East London was designed to provide high specification living and outdoor space, but as affordable housing. The build set out "to remove the visual and design differentiation between public and private housing, and

to use the process to start to evolve a new generation of residential architecture for North Southwark, an architecture that expresses itself in terms of an urban form which is contemporary, light, flexible, mixed tenure and contained within a mixed use environment." **John Brash's** JB Citideck®, a smooth non-slip deck board was chosen for all raised walkways and balconies, and the roof garden.

01427 613858 [www.johnbrash.co.uk/shingles-shakes](http://www.johnbrash.co.uk/shingles-shakes)

enq.197

## New CAT5 Booster sets from Wilo



**Wilo** has launched its new CAT5 Booster set into the marketplace. UK water regulations – G6.1e – states that non-domestic hose union taps cannot be fitted directly to the water supply. The new Wilo CAT5 booster set incorporates a 115 litre polypropylene break tank, which is supplied complete with a WRAS approved AB air gap. The over-

flow and weir are screened to enable connection to hygienic systems. The units are supplied with either a single fixed speed pump or a variable speed pump as specified. The single speed sets are controlled via a pressure switch, DOL motor starter and a run on timer, while the variable speed sets are controlled.

01283 523000 [www.wilo.co.uk](http://www.wilo.co.uk)

enq.199

## Marley Eternit façade for Sevenoaks Station



EQUITONE [pictura] from **Marley Eternit's** architectural fibre cement façade materials has helped to transform Sevenoaks Rail Station in Kent. EQUITONE is the new international brand for Marley Eternit's architectural façade materials and brings together the ranges [natura], [tectiva], [pictura] and [textura]. The

EQUITONE [pictura] fibre cement façade was specified for the refurbishment of Sevenoaks station because it is available in a selection of contemporary colour coatings in a smooth ultra-matt finish, which created the high class architectural aesthetic sought by the clients. Colour Moonstone was specified as part of the £1.4 million refurbishment, led by Network Rail and Southeastern.

enq.194

## Steni UK announces new ownership



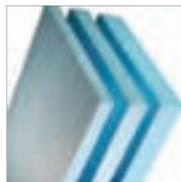
**Steni UK**, part of the leading Norwegian façade panel company, has new owners. The investment fund Accent Equity 2012 has acquired, together with Steni's management, 100 per cent of the shares from the company's previous owners. Steni's current CEO Tom Rønning and the new chair-

man Olav Kjell Holten are investing in parallel with the Accent fund. The products are manufactured from a fibreglass reinforced polymer composite with various surfaces depending on design and appearance. The material is environmentally friendly since it is chemically neutral and can be recycled. The products are resistant to impact, water and UV, and have the best warranty on the market.

01978 812111 [www.steni.com](http://www.steni.com)

enq.196

## Multi-purpose STYROFOAM insulation



A new multi-purpose insulation board from **Dow Building Solutions** is set to bring the advantages of STYROFOAM – excellent strength, moisture resistance and long term durability – to a wider audience. STYROFOAM extruded polystyrene insulation was invented by Dow in the 1940s, and has been manufactured at the company's King's Lynn site since 1969. The

blue boards have traditionally been used to insulate floors, walls and roofs of major construction projects such as schools, hospitals, retail outlets and cold stores. The multi-purpose boards are designed to help builders achieve U-values required by building regulations, and can be used in a variety of applications such as: floors, perimeters, walls (internal and external) and pitched roofs.

enq.198

## Get the VIP treatment with OPTIM-R



**Kingspan Insulation** has published two brochures for its new OPTIM-R Roofing and OPTIM-R Flooring Systems, detailing how the next generation vacuum technology can be used to achieve the thinnest possible roof and floor build-ups. With an aged design value thermal conductivity of just 0.007 W/m.K, Kingspan OPTIM-R Vacuum Insulation Panels (VIPs) are ideal for applications where space is at a premium. Kingspan OPTIM-R is available in a range of sizes and thicknesses to accommodate

individual layouts and are accompanied with premium and high performance rigid thermostat insulation infill panels.

01544 387384 [www.kingspaninsulation.co.uk/optim-r](http://www.kingspaninsulation.co.uk/optim-r)

enq.200

## Potterton Commercial Boilers



Baxi Commercial Division has supplied five floor standing condensing boilers for a refurbishment of Wigan Town Hall's heating system, which has shown a 22 per cent energy saving over the year. It was important the heating system should be extremely flexible as well as energy efficient, in

order to accommodate a number of functions. The five Potterton Commercial Sirius 160kW floor standing condensing boilers were selected by consulting engineers NPS North West Ltd. Potterton Commercial's Sirius FS is a technically sophisticated range of floor standing, stainless steel condensing boilers, backed by a comprehensive five year warranty.

0845 070 1055 [www.pottertoncommercial.co.uk](http://www.pottertoncommercial.co.uk)

enq.201

## HWAT from Pentair Thermal Management



Pentair Thermal Management has recently been specified by MTT Limited, one of London's major sustainability and engineering practices, to provide its Raychem HWAT self-regulating heating cable for hot water temperature maintenance at 375 Kensington High Street. A flagship development by St Edward, that offers a range of

high spec one, two and three bedroom apartments and penthouses. Raychem HWAT heat tracing cables are designed to maintain hot water pipes at set temperatures, keeping the temperature constant on the entire pipe length without risk of overheating. They have an extremely long life cycle and their cut-to length feature makes them simple to install.

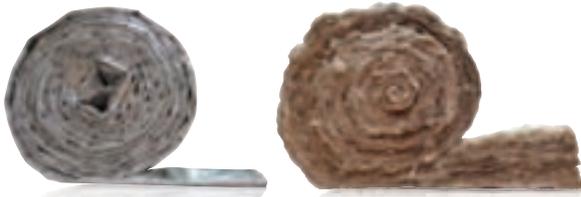
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enq.204

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

0844 3320155

enq.203

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01934 750500 | [www.eurostove.co.uk](http://www.eurostove.co.uk)

enq.205



## Dynamic sun protection in aluminium

A building with large glazed surfaces facing south offers many advantages during the autumn, winter and spring. In the summer, however, it can lead to an uncomfortable indoor climate and irritating light reflection. Structural solar shading and screens prevent this overheating, as they stop the sunrays before they come into contact with the glazed surfaces. No need for expensive cooling using airco. The view outside is respected. RENSON® presents Cilium®, a dynamic sun protection system, that can be transformed from a vertical sun protection system in front of a window to a horizontal, open position above a window. This solution limits the overheating of buildings during the warm summer months and minimises the use of artificial cooling systems. During the cold winter months the low position of the sun allows the warm rays to enter the building under the retracted folding shutters, which limits the use of artificial heating.

01622 754 123 [www.rensonuk.net](http://www.rensonuk.net)

enq.206

## ATAG's new 'Q' Series Cascade rig



As part of its policy of continual product development, ATAG Heating UK has introduced an enhanced installation rig for its Q Series condensing boiler's Cascade installations. The rig enables up to three Q Series condensing system models to be installed in a variety of configurations and being

only 1.5m in overall height, is particularly suitable where plant headroom is restricted. Advantages of the new rig include faster and easier installation, a reduced surface area requirement and lower maintenance costs. ATAG Cascade heating systems deliver maximum reliability, but in the unlikely event of a boiler error, the others keep on working, guaranteeing continuity of supply.

01243 815770 [www.atagheating.co.uk](http://www.atagheating.co.uk)

enq.207

## Stelrad swings into action!



Stelrad Radiators has introduced its brand new, curved vertical premium panel radiator to the UK market – the Stelrad Swing. The new model is based on Stelrad's extremely

popular Compact Vertex radiator but sees the addition of a one piece, curved steel front cover that gives it a modern and aesthetically pleasing designer feel. It comes in white as standard but can be specially ordered in up to 35 colours, making it an extremely attractive product for interior designers and architects, looking to match radiator colours with corporate or specific colour décor.

0870 849 8056 [www.stelrad.com](http://www.stelrad.com)

enq.208

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## Amina iQ Developer Series



Amina is delighted to announce the launch of its brand new iQ series aimed at bringing truly invisible sound to the volume developer market and broadening its appeal to many more multi-room audio applications. Building on the technologies introduced for its flagship Evolution range launched in 2012, Amina has utilised its Opti-Damping and Opti-Drive Technologies to create an all new, aggressively priced, invisible speaker family. Using the company's vibrational surface technology, the iQ

series provides high clarity room filling sound with a remarkably even frequency response from 112Hz-20KHz.

01480 354390 [www.amina.co.uk](http://www.amina.co.uk)

enq.211

## Sun control system from recycled bottles



The new **Hunter Douglas** EOS<sup>500</sup> roller blind collection includes GreenScreen<sup>®</sup> Eco, which consists of 100 per cent recyclable polyester fibres, and the GreenScreen<sup>®</sup> Revive™ material produced from recycled plastic bottles. Hunter Douglas is the only manufacturer using these sustainable materials for project-based light and energy

control. All of the GreenScreen product lines are compliant with the internationally recognised Greencode classification scheme for environment-friendly textiles. They also contribute to the LEED certification of buildings. The GreenScreen collection can be used in EOS<sup>500</sup>.

01543 275 757 [www.hunterdouglas.co.uk](http://www.hunterdouglas.co.uk)

enq.212

## Rockfon has sound quality down to a fine art at contemporary London gallery



October Gallery, the cutting-edge contemporary art space in Bloomsbury London, was searching for a solution to reduce the amount of noise in its exhibition rooms and café. The gallery appointed acoustic consultants, Sandy Brown Associates, to advise on improvements to the sound insulation and room acoustics. Having taken reverberation time measurements, Sandy Brown Associates put forward recommendations to control reverberation in these areas. Once a Victorian school house, the October Gallery was suffering from a lot of reverberation noise due to the wooden flooring and sound travelling through the ceilings as Chili Hawes, October Gallery owner, explained, "When there were more than 10 people in the gallery it became very noisy, making it difficult for visitors to hear each other." Panarc Interior Solutions installed 150m<sup>2</sup> of the **Rockfon** Mono Acoustic ceiling system using an MF framework, with 1 layer of 15mm soundbloc board; this provided additional sound insulation value to reduce noise transfer between the floors. The elegant seamless acoustic ceiling creates a modern look ideally suited for the contemporary art gallery. Since the installation of the new ceiling, the room acoustics in the gallery have been re-recorded and the reverberation times have reduced by 56 per cent in the 500Hz and 1KHz octave bands.

0800 389 0314 [www.rockfon.co.uk](http://www.rockfon.co.uk)

enq.213

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enq.214

## Trendsetting industrial style



With the trend for utilitarian interior design taking hold, **Solus Ceramics** introduces the stylish Replicate range, a concrete inspired floor and wall tile that embodies a modern industrial aesthetic. Replicate is influenced by urban architectural trends and industrial landscapes, and features nine contemporary colours including raw greys and rustic browns. The range reflects the patterns, colours and irregularities that appear in poured concrete and also display variations that look similar to flaking plaster. Some of the tiles have also been designed to evoke oxidised metal, presenting a chic rusted finish.

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

enq.215

## Ultra Tile creates stylish first impression



Having used **Instarmac's** Ultra Tile products for over five years, Tile Style are happy to endorse their reliability and outstanding finish, and chose to use the brand on their recent project in Manchester. They were commissioned to install 600 x 600 grey floor tiles in a 350m<sup>2</sup> office block reception. The

project was completed in six weeks and included subfloor preparation. Levelling compound, Level IT one HDB was applied to prepare the substrate prior to installing the tiles. The product is supplied in 25kg bags and can be pumped making simple work of large areas. The levelling compound's formulation is rapid setting, non-shrink and protein free.

01827 871871 [www.ultratileadhesives.co.uk](http://www.ultratileadhesives.co.uk)

enq.216

# A8000 large capacity platform lift from Axess4All

The A8000 1,000kg large capacity platform lift was the perfect solution for fibreglass manufacturer Sui Generis International. With the option of three sizes, the largest size, 1,405mm x 2,480mm, was selected. The choice of the maximum size ensured easy transportation, of the long but lightweight fibreglass components, between levels.

Due to the successful growth of the business, Sui Generis embarked upon a refurbishment of their warehouse, which included improved workflow around the factory and utilising space on the upper-level for moulding and finishing and the lower-level for despatching goods. This provided the perfect opportunity for the installation of a platform lift.

The A8000 has no external machine room. Combining this with the requirement of a minimum floor recess of just 130mm, the A8000 is the perfect access solution for installation into an existing building with minimal disruption.

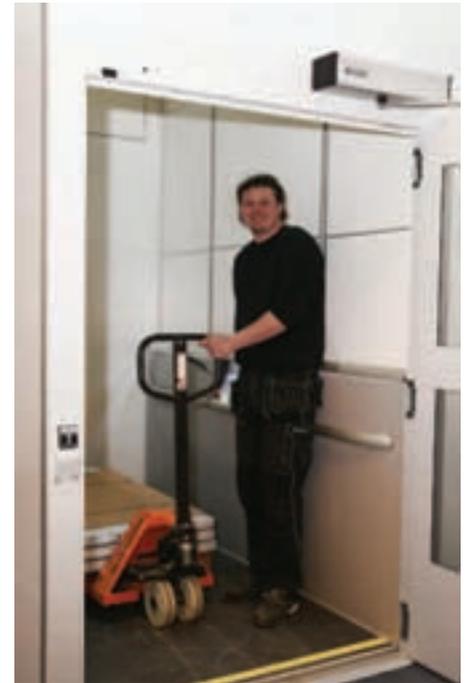
Once the moulding of the fibreglass has taken place, the fibreglass structures can be finished on

the upper-level and transported to the lower-level for despatch. Although the A8000 can travel up to 13m over six landings, the requirement was for two floors at a distance of just over 3m. The installation took four days and has helped to increase workflow and productivity around the premises.

There are a variety of accessories and finishes available for the A8000, however this lift was selected purely for industrial use so the standard steel shaft was chosen. Other standard features include constant pressure control from the landings, LED shaft lighting and large, easy to use, tactile, illuminated push buttons on the carriage. There is the option to select standard features or alternative options, such as glass panels and other communication choices, making platform lifts from Axess4All a flexible and versatile solution.

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**www.axess4all.com**

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## Expona Control is safety guaranteed



Polyflor has unveiled Expona Control, a ground breaking new flooring concept. Expona control combines the design benefits of an LVT with the performance of a HSE compliant safety floor offering sustainable wet slip resistance. Expona Control is the first product of

its type and the culmination of Polyflor's expertise and creativity in the manufacturing of LVT and safety flooring. The design focussed 14 colour collection features authentic wood and stone designs and achieves the required slip resistance through the inclusion of aggregate throughout the wear layer.

0161 767 1111 [www.polyflor.com](http://www.polyflor.com)

enq.218

## Gallery showcases Faber's imaginative work



Faber Blinds worked closely with the architect and contractors at the Pace Gallery in the refurbished west wing of the Royal Academy of Arts to provide a bespoke blackout and screen solution for its exhibition spaces. Two motorised roller blinds were fitted in each window space, blackout to the rear with screen to the front, both drawn vertically upwards by tension cables with the fabrics running in recessed side channels. The EOS 500 tensioned bottom up, motorised roller blinds are controlled by a central Hunter Douglas EOS Touch system linked to a GPS weather station to provide the appropriate shading for the exhibitions.

01604 766251 [www.faberblinds.co.uk](http://www.faberblinds.co.uk)

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enq.223

# Designing balustrades that deliver style with safety and durability

While aesthetics are obviously important, a balustrade project must also be fully compliant and fit for purpose for the particular application, whether that's apartments or an airport. Nick Haughton, marketing manager at Sapphire Balustrades, offers advice on designing balustrade solutions that deliver style with safety and durability

Specifying high quality balustrades involves much more than simply creating the right look. Before selecting a system and style of balustrade there are a number of important factors that have to be considered, such as how the nature of the project application and environment might influence the design and what regulations apply and must be met. These factors can cover anything from assessing the risk of vandalism or corrosion to providing a solution to suit people with disabilities. Even issues such as restricted site access can have an impact on the design.

## Regulations

Balustrade designs must comply with relevant British Standards relating to structural integrity and design loads, and Building Regulations such as Document M, to ensure they meet the needs of all users irrespective of age or physical ability. Failing to comply with these requirements can have serious consequences. Apart from a potentially costly project delay if a design is refused by planners or building control, inappropriately designed or installed balustrades can result in fatalities or permanent injuries.

## Balustrades

Balustrades provide a vital protective barrier where there is a change in level greater than 600mm in dwellings and 380mm in commercial applications. Balustrades for communal stairways or balconies, for example, should be designed to avoid the risk of persons falling through gaps. In effect, this means that balustrades should not have gaps which permit a sphere of 100mm diameter to pass through, and in residential applications this includes the 'triangle' formed by the tread and riser.



It is also important when designing balustrades to ensure that they are not easy to climb, particularly by children. These are just a few of the technical design considerations, and it should be noted that different parts of a building or staircase within the same project could contain areas that require different design considerations.

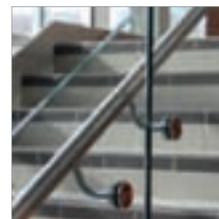
## Handrails

Handrails assist in the access and use of buildings and, like balustrades, their design is covered by a raft of regulations relating to aspects such as height, colour, positioning, and dimensions. In most situations, handrails should be positioned on both sides of flights of stairs and landings, and cater for all users. While standard heights should be between 900mm for ramp or flight pitch lines and 1,100mm above the landing, a second handrail for children at 600mm high may be required in some applications. In addition, handrails should terminate in a way that reduces the risk of clothing being caught. A contrast in colour and luminescence to their surroundings can enhance visibility, while external handrails should not be cold to touch.

*Continued overleaf..*

*'A stainless steel handrail on a structural glass balustrade creates a light and spacious effect'*

Nick Haughton





## Design

There is extensive scope in terms of materials, profile shapes, fixings, and detailing, to create a unique style for balustrades for balconies or stairwells, while still ensuring regulatory compliance.

Handrails can be manufactured in a wide variety of finishes, including practical satin polished stainless steel or a 'mirror' polished finish, or be powder coated to any RAL colour to enhance durability and complement interiors or external facades.

A stainless steel handrail on a structural glass balustrade, for example, creates a light and spacious effect. Laminated toughened glass can be used for the ultimate in glass panel security, and for added visual appeal the laminate interlay can incorporate colours or patterns. Timber handrails are another popular option as they are not cold to the touch and can be produced from any sustainable timber including ash, oak, and cherry – a timber effect coating can even be applied to metal handrails. And there are some exciting new features such as LED lighting, which can be built into handrails.

## Support

Achieving the right handrail or balustrade solution is about more than just aesthetic appeal. With so many technical considerations and design possibilities, it's not surprising that many architects find specifying balustrades a daunting task. Finding a supplier with the expertise to guide you through the whole process and ensure that nothing is overlooked can be invaluable to completing a successful balustrade project in terms of looks and lifetime costs and performance.

enq.224

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enq.225

## GEZE UK's designer doors



Billed as the 'best in the UK', Marie Curie's new multi-million pound hospice in Solihull boasts state-of-the-art facilities, fixtures and fittings designed to provide comforting and enriching end-of-life care for patients. The architects specified GEZE's premium Slimdrive SL GGS automatic

sliding door system for the open-plan reception. Driven by GEZE's industry-leading 7cm high Slimdrive SL operators and suspending the glass leaves from high-grade stainless steel fittings, this top-of-the-range system eliminated the need for unsightly door rails. Individually made by GEZE UK for contractors Wilmott Dixon Construction to bespoke specifications. All featured a sandblast design incorporating a protective poly-coat.

enq.226

## Everyone's getting into it – Salice UK website



Salice UK, pioneers in the development and production of market leading furniture fittings, have recently launched their impressive new website at [www.saliceuk.co.uk](http://www.saliceuk.co.uk). The new site has been specifically designed to enable architects, specifiers and distributors easy and rapid navigation to a library of comprehensive information on the entire Salice

product range. Logical categories highlighting product features and benefits, alongside a detailed product reference selector ensuring that the wealth of technical knowledge and expertise developed by Salice is shared to benefit all browsers of the new website. Additional features of the website is a comprehensive distributor locator and more.

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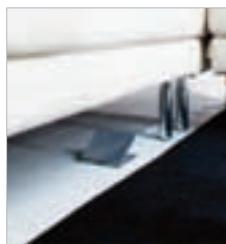
Perception CFX features completely concealed fixings and has been designed to blend subtly against the wall, allowing the wall covering to be visible through the crystal clear plate.

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## Focus SB provides stylish alternative



The electrical floor sockets manufactured by Focus SB can be installed in the floor and the wall. They provide an accessible power point, which can safely be placed anywhere in the room. The spring loaded flip lid sits into a flush box so when the floor plates are primed and painted to match the surface they are fixed to, they can be hidden from view. Focus SB's floor plates are available in any of their beautiful finishes, except from Polished or Satin

Stainless. For more information on Focus SB's floor socket range and the finishes they are available in call:

07710 088912 [www.focus-sb.co.uk](http://www.focus-sb.co.uk)

enq.230

## iNELS RF Wireless Control System



Scolmore continues to develop its Wireless Control Systems and has just added two new products that will enhance its capability. The new iNELS RF 13A Switching Socket (RFSC-

61) simply plugs into a standard UK 13A socket outlet to provide a wireless switching facility – making it easy to control table and floor lamps for example without the need for hard wiring behind a socket. The unit can be easily paired with transmitting devices, and can be controlled by up to 32 transmitting devices eg key fobs, wall switches, RF Pilot and RF Touch.

01827 63454 [www.scolmore.com](http://www.scolmore.com)

enq.231

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enq.232

## Special school boosted by Ergolet mobility system

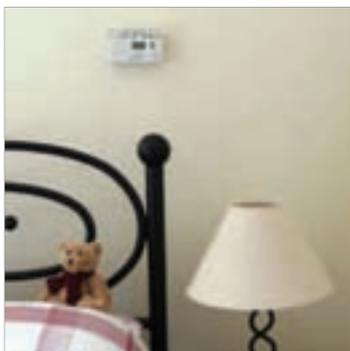


Danish mobility company Ergolet has installed its Luna overhead hoisting system, featuring the unique wall-mounted E-track, at Kingfisher Community Special School in Oldham to significantly improve pupils' access to facilities throughout the building. The installation – the first of its kind at a UK special school – was part of a multi-million pound refurbishment programme at the school, designed to ensure that children with complex and severe mobility needs have the best access to specialist learning environments. A total of 18 rooms at the school, including classrooms, toilets and a hydrotherapy pool and changing areas, were fitted with the system. The E-track and Luna system covers the full length and breadth of each room allowing the most severely disabled, who are usually reliant on floor hoists or fixed-track overhead systems, to reach all corners of the room. The installation in the hydrotherapy pool suite is discreet and ideal for disabled access in public swimming pool complexes. The portability of the Luna lifting unit and wall-mounted tracking means unsightly and space intensive mobility equipment does not have to be a permanent feature poolside. Fitted just below ceiling height, the E-Wall track is discreet and the entire mobility system blends into the room.

0161 477 7900 [www.ergolet.com](http://www.ergolet.com)

enq.233

## Growing CO alarm safety



Regulations for Northern Ireland are already in place which apply to any new or replacement combustion appliances, not designed solely for cooking – in all homes, both existing and new-build, and irrespective of fuel or flue type. A CO alarm must be fitted in the same room as the combustion appliance or just outside boiler rooms. Although CO alarms became a requirement in England and Wales in 2010 under Building Regulations Part J, this was limited just to fixed solid fuel heating appliances. In existing homes, fitting a battery-only CO alarm may be simplest solution. But battery quality is key to long term, problem-free performance and, to achieve this, Kidde Fyrenetics' TenYCO range has the very first battery carbon monoxide alarms with a full 10-year guarantee covering both alarm and sealed-in lithium battery. The brand new 10LLCO and 10LLDCO models share many of the features of the original 8LLCO alarms. But in anticipation of future changes to the European CO alarm product standard, the new alarms have an extra End-of-Life/Fault LED, as well as a 'ramp up' horn designed to protect installers' hearing when testing multiple alarms, with an initial lower level of sound being generated. They are BSi Kitemarked and comply with the latest edition of BS EN 50291:2010.

01753 685096 [www.kiddefyrenetics.co.uk](http://www.kiddefyrenetics.co.uk)

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# Exciting new material is sure to be child's play

Advanced Technical Panels (ATP), part of the James Latham Group, has announced the arrival of an exciting new plastic material which is certain to make a big impact, especially within the leisure and play equipment sectors.

Ideal for both indoor and outdoor use, HDPE (high-density polyethylene) which will be branded 'Harlequin' by ATP, is a totally unique material that, as well as being completely resistant to the elements, is also extremely difficult to damage or break, therefore making it a very low maintenance and long lasting option.

David Briggs, director of ATP commented, "Already we can see all kinds of applications for Harlequin and we know that in other countries it has been used extensively in the manufacture of children's playground and educational equipment either for use inside or out. Plus, because it won't fade, scratch, swell or split and dirt, graffiti and permanent markers are easily removable, it

will stay looking brighter and better for longer."

Other potential applications include packaging, outdoor furniture such as benches, tables and fencing, floors for artificial ice and hockey rinks as well as the marine industry.

The Harlequin range, which is also 100 per cent recyclable, is available in 19 different bright and impactful colour combinations. It also compliments ATP's other products for the play sector including Multiwall, a birch plywood which is coated on both sides with decorative polypropylene laminate and, as well as playground equipment, is also used in sports fencing and rebound boards.



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atp@lathams.co.uk

www.advancedtechnicalpanels.co.uk

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## Creating play and sports areas for Landscape Architects...

There are a number of key elements to designing fun, thoughtful and interesting play spaces and a key factor is creating a space where the equipment integrates successfully with landscape elements.

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enq.238

## Aico updated 'RadioLINK Expert' guide



Aico is pleased to announce the launch of the second edition of its highly popular RadioLINK Expert information book. The book is a comprehensive guide to Aico's RadioLINK Professional wireless alarm technology, which allows interconnection of smoke, heat and CO alarms together using radio frequency (RF)

signals, eliminating the need for interconnection wiring. RadioLINK Expert is an easy-to-use reference guide that contractors can use when installing a RadioLINK wirelessly interconnected alarm system – whether it's a completely new system, or upgrading an existing Aico alarm system to incorporate this innovative technology. The new edition of this guide has been updated to include Aico's latest developments in RadioLINK.

enq.239

## Simple smoke alarm control from Aico



Aico has launched an innovative new wireless controller for its RadioLINK Professional alarms. RadioLINK allows smoke, heat and CO alarms to be interconnected using radio frequency (RF) signals, eliminating the need for interconnection wiring. As with previous Aico alarm control switches, the new Ei450 controller allows residents

to simply test and silence all the alarms on the system and quickly identify and locate the exact unit, which has triggered the system (visually identifying if the source is a fire or CO leak), all from one convenient location. With best practice supporting larger alarm systems, more frequently with CO alarms, improved control functions are vital to ensure the system is simple for residents to use.

enq.240

# Designing playgrounds and playground equipment

Sheila Rockingham, commercial director of Wicksteed Playscapes, explores the reality of employing dedicated playground equipment manufacturers to design exceptional outdoor play spaces and denounces the myth that they are unable to create bespoke and innovative playgrounds

**E**ssentially all playgrounds are designed to do the same thing; to help children develop their physical and social abilities, use up excess energy and keep them off the streets.

There has been a misconception that specialist playground manufacturers supply 'off the peg' equipment – in reality play manufacturers provide everything from the planning process right through to designing and constructing bespoke play spaces.

Specialist play companies who manufacture in the UK can often offer bespoke pieces of play equipment and landscaping designs that enhance and reflect environments or highlight a historic element of a site. Themes such as nautical, heritage, seaside, space and pirate themes, to name a few, add another dimension and identity to a playground.

Design in play has come a long way in the last twenty years and many of the old fenced flat areas have been replaced with play spaces that offer undulations, mounds, textured safety surfacing and natural elements such as boulders, timber, sand and planting. Children use their imaginations to create new adventures when they play and they naturally turn what may appear to be simple mounds, rocks or trees into dens or exciting adventure areas. The addition of structured play components

creates a heightened stimulus.

There are evolutionary new techniques in play equipment construction, which can offer bespoke pieces to bring a play site alive and offer flexibility.

Manufacturers of playground equipment in the UK are able to source a vast range of different materials to create unique and enthralling play areas; from steel to durable timber and a variety of surfacing materials to achieve different looks and textures.

Existing tired play areas are now enhanced and brought to life with intriguing woody trails, craggy rocks for sitting on and clambering over and natural, roped walkways, landscaping and creative play equipment from zip wires to colourful multi-play systems. Wonderfully refurbished sites now provide local communities with pleasant, thoughtful play designs that are perfect for inventive games and going back to the outdoor play of yesteryear!

Play companies are able to draw upon their expertise and understanding of play types to accommodate children's social, physical, intellectual, creative and educational needs and ensure these are incorporated into playground design. They are not just providers of equipment but offer the whole solution and understand the needs of their customers and ultimately the end-user.

Inclusive play equipment has come to the forefront with clever design that enables children of all abilities to enjoy a wide variety of outdoor play experiences. Much more emphasis is put on access to play for all and again bespoke designs can be achieved and assisted with specialist equipment such as wider slides, adapted swings, roundabouts, well designed access areas and sensory-play items.

As stated by Wendy Russell, lecturer in playwork at the University of Gloucestershire, "The benefits of children being able to play freely outdoors are enormous. There is much more to play than learning skills for adult life. Research shows that play, being spontaneous, non-literal and not particularly aimed at any outcome, helps children to build a repertoire of responses to the things they encounter in their lives as children. In their play children deliberately seek out uncertainty (hanging upside down, getting dizzy, playing scary imaginative chase games and so on), the important thing being the emotions they can experience whilst doing this. This helps to develop a disposition – a way of approaching the world – that is flexible rather than rigid, as well as things like emotion regulation, peer and place attachments and stress response systems that make for a better childhood as well as a better future."

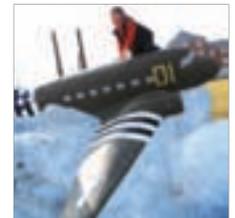
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**'Revolutionary new techniques in play equipment construction can offer truly bespoke pieces to bring a play site alive and offer greater design flexibility'**

Sheila Rockingham



Climbing rock sculpted from polystyrene, reinforced with a steel mesh before being sprayed with colour-impregnated concrete and transported to site without the need for heavy lifting equipment



Shapes resembling large rock formations can be designed into anything from dinosaurs to aeroplanes

**The 10 basic principles for designing successful play spaces (Play England 'Design For Play' Guide):**

- bespoke
- well located
- uses natural elements
- provides a wide range of play experiences
- accessible by both disabled and non-disabled children
- meets community needs
- allows children of different ages to play together
- has built-in opportunities to experience risk and challenge
- sustainable and maintainable
- allows for change and evolution



## FACTA welcomes Hi-Tech Access Covers



The Fabricated Access Covers Trade Association (FACTA) is delighted to welcome Hi-Tech Access Covers of Telford, into membership of the Association. FACTA is the leading industry body at the forefront of the fabricated access cover industry. Hi Tech Access

Covers' more than thirty years experience in the design and manufacture of access covers and general fabrications, enables them to provide innovative solutions to meet their customers' needs. They are committed to the production of high quality products in all of their market sectors: water utilities, power, defence, rail and building, from simple commodity designs through to bespoke specials.

01827 52337 [www.facta.org.uk](http://www.facta.org.uk)

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## Porcelain tiles for outside & in



If you're looking to give your next building project a magnificent, modern-looking finish, then porcelain paving is the perfect choice. These gorgeous tiles and paving slabs are made from real Italian porcelain, and they're available for both indoor and outdoor use – no matter what you're in the process

of creating, porcelain will slot into your plans very smoothly indeed. Out 2.0 paving is an innovative new product that's tailor-made for outdoor spaces, and Greensquares is the only UK company that stocks them! Each sturdy slab is two centimetres thick, making them far more robust than traditional porcelain products (which tend to measure in at around 9-12mm).

02920 371584 [www.porcelainpaving.co.uk](http://www.porcelainpaving.co.uk)

enq.244



## Good Directions acquires Neptune

Good Directions Ltd is proud to announce that Neptune Outdoor Furniture Ltd became part of their company group from 1 August 2013. British manufacturer Good Directions, specialist in the design and production of exterior clocks, clock towers, architectural features and copper guttering, has acquired Hampshire based street furniture specialist Neptune as part of its continued expansion plans. Welcoming the deal, Good Directions managing director Alan Gingell said: "we are always looking at ways to expand our business, diversify our product ranges and improve services for our customers. We are confident that by combining the two companies we will make the experience of sourcing outdoor architectural products easier." The deal marks an impressive twenty five year journey for Good Directions Ltd and its owner Robin Davies, who originally started the company with his wife Patricia from their home in Botley, Hampshire. Good Directions have worked with Neptune for many years.

01962 777799 [www.nofl.co.uk](http://www.nofl.co.uk)

enq.246

## Sylglas Metalfix protects seafront railings



Hartlepool Borough Council were recently experiencing problems with corrosion of the sea front railings. Extending for approximately half a mile the railings were exhibiting signs of rusting within a few months of applying a coating system. To overcome this problem Universal Coatings & Services approached Winn & Coales (Denso)

Ltd for advice. After removing any loose coating and preparing the surface by hand, Universal Coatings applied Winn & Coales' Sylglas Metalfix to seal the joint areas prior to re-applying a protective coating. Sylglas Metalfix is a non-rusting steel-reinforced two part epoxy putty that provides fast permanent repairs.

02086707511 [www.denso.net](http://www.denso.net)

enq.243

## A&G develops new paving flag



Acheson & Glover (A&G), a leading supplier of premium hard landscaping products, has developed a new paving flag to meet the architect's specific design requirements for the £25.6 million Marlowe Theatre in Canterbury. KWA Architects approached A&G to provide a value engineered alternative to the flame finished natural granite stone specified for all of the hard landscaping areas.

TerraPave® Natural Aggregate Flags in a Florento (Marlowe Special) textured finish was chosen as a high quality, cost effective option. Its exceptional appearance is achieved by using state of the art manufacturing and finishing equipment with the natural aggregates providing the surface colour rather than concrete dyes.

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## Topturf is top of the contractors

Topturf Irrigation has clinched the title of Otterbine Contractor of Year. This is the sixth time that the golf, sports and landscape irrigation specialist, based in Arundel, West Sussex, has won the award, which is based on sales performance over the past 12 months. Managing director Colin Clark says that the company's successful year installing and maintaining Otterbine's aerators and aerating fountains is testament to his 20-strong team's hard work – but that the quality of the Otterbine product range helped, too. "It's been a tough year and every sale we made was hard earned," he reveals. "Our success is down to the dedication and drive of the team who work on Otterbine, but having a quality product also makes our job much easier." Colin and his team are now busy trying to repeat their impressive 2012 performance. "Wimbledon All England Club and a private estate in Oxfordshire were the two standout installations from last year," he adds. "We're proud to be recognised for that, but we're now focusing on the year ahead and are determined to keep up the good work."

01480 226848 [www.otterbine.com](http://www.otterbine.com)

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# Ultrascape beds water features right first-time

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Londonderry City Centre

The construction work included upgrading drainage infrastructure, removing the old concrete block paving, renewing street lighting, pedestrian crossings and the installation of a new digital 80 nozzle water feature with integrated lighting outside Guildhall.

The fantastic new Granary Square – the heart of King's Cross – is London's newest square and one of the largest of its kind in Europe. Over 1,000 fountains create a spectacular water feature, all bedded using Ultrascape's EP-R9 epoxy resin mortar.

The square's area was once used for the unloading of barges, so it was fitting to work its aquatic history into its new design. The Fountain Workshop designed the choreographed fountains, which are individually lit and at their most spectacular at night.



Granary Square, King's Cross

**L**ondonderry City Centre underwent a major regeneration project to create a modern, urban landscape in the heart of the city. Shipquai Place and Waterloo Square were the focus of the redesign with the aim to increase pedestrian footfall and make these places attractive areas in which to meet and stay.

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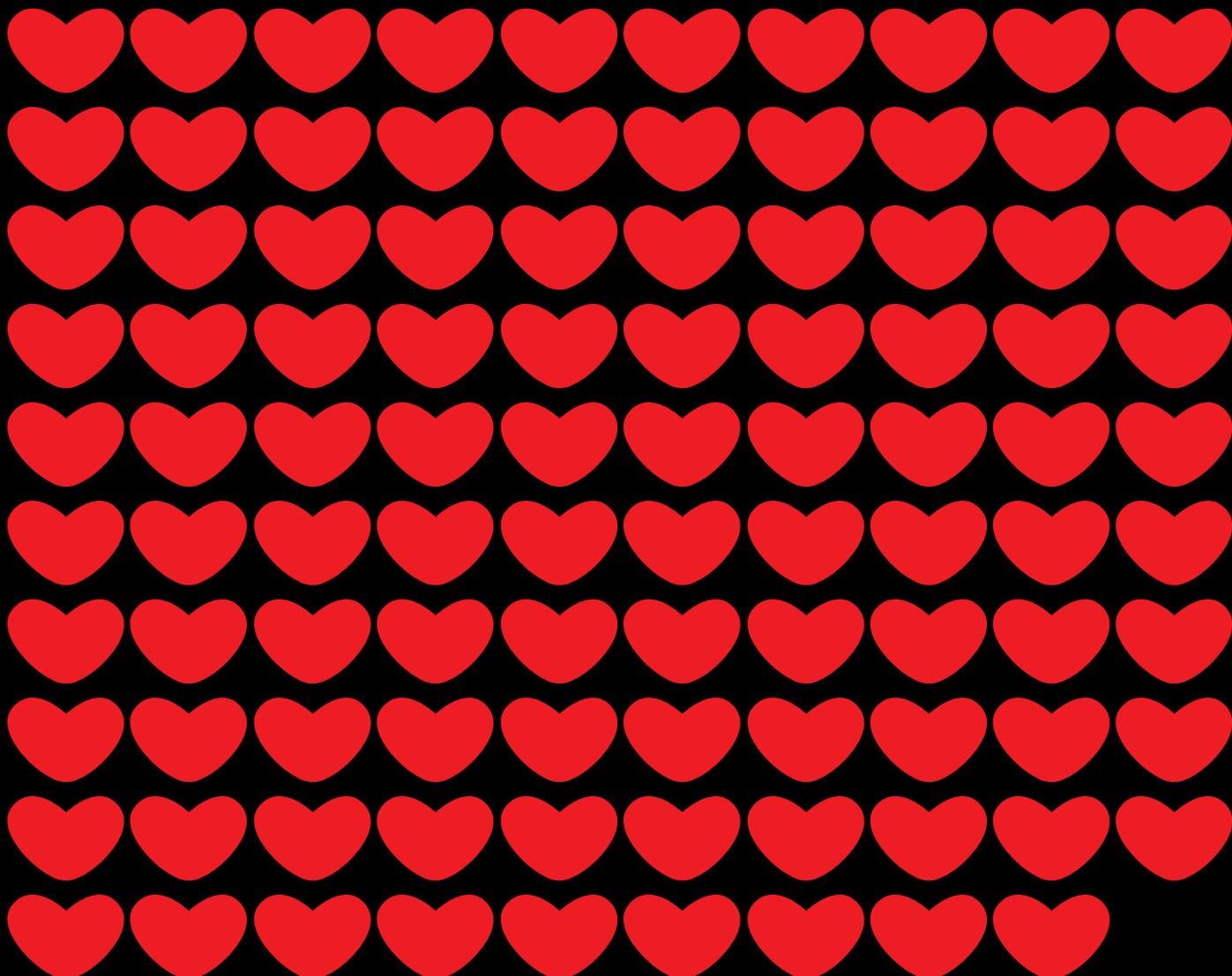
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