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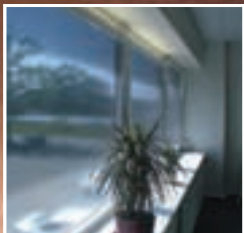
July 2015



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Cover image: Wiehag's 'Tree Tower' in the Bavarian Forest National Park
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AWARDS

Finalists announced for this year's Structural Timber Awards

The awards have been submitted and the judges have spoken – it is now time to announce the shortlist for the inaugural Structural Timber Awards!

With over 160 entries across 14 categories, this year's awards have been packed full of outstanding, pioneering projects, products and people. The winners will be presented at a high profile dinner, taking place on Tuesday 6 October 2015 at the National Exhibition Centre (NEC), Birmingham as part of UK Construction Week. This year's awards will attract over 500 national business leaders and high profile decision makers from the construction industry and will provide a significant platform for targeting the timber industry.

They will also present the ideal opportunity for professionals to maximise industry exposure and penetrate this economically important market.

Each of the judges have assessed three of the 14 categories on a strict and confidential marking system to establish the award category winners, highly commended and shortlisted entries.

Through categories such as the sought after Project of the Year and Product Innovation – the Structural Timber Awards will showcase some of the most ground-breaking projects and products created over the last few years. This is an event not to be missed!

The shortlist for this year's Structural Timber Awards can be seen on www.architectsdatafile.co.uk – just enter reference number 34691.



Wiehag's 'Tree Tower' in the Bavarian Forest National Park © Wiehag

Restaurant & Bar Design Awards – The shortlist

The Restaurant & Bar Design Awards has announced the shortlist from the 2014/2015 entries. The shortlist includes 214 projects across 32 categories from the world's leading architects, interior designers, lighting designers and restaurant & bar operators.

The winners of the Restaurant & Bar Design Awards (including Best UK Restaurant, Best UK Bar and Best Overall Restaurant and Best Overall Bar) will be announced during a ceremony at London's Old Truman Brewery on 1 October.

The Restaurant & Bar Design Awards, now in its seventh year, is the only awards in the world dedicated to the design of food and beverage spaces. Tony Chambers (Editor in Chief of Wallpaper), Alberto Alessi, Marcus Wareing, Thomas Heatherwick and other leading hospitality, design and lifestyle judges have chosen the winners.



Entries from over 70 countries cover every imaginable space, from ships to airports, museums to burger vans, and from revered Michelin-starred establishments to the fleeting dynamism of pop-ups.

For a full list of the shortlisted entries, please visit www.architectsdatafile.co.uk and enter reference number 55316.

LEISURE FACILITY REFURBISHMENT

Eastern Leisure Centre, Llanrumney, Cardiff



Eastern Leisure Centre is currently undergoing an extensive £6.5 million refurbishment. Work began in April and will be completed Spring 2016. Kier Construction is the main contractor on this Cardiff Council Leisure Services run project. Kier have appointed Stride Treglown to provide lead design architectural services, with Bingham Hall Partnership providing the civil and structural design and Troup Bywaters and Anders to provide mechanical and electrical design.

The Centre is a very popular facility, with 250,000 users last year, but it was in urgent need of modernisation. Lounge areas were no longer popular and aging facilities meant that the Centre could not compete with

others in the area. The plans received strong support from the local community and councillors.

Stride Treglown has redesigned the facility and main features of the revitalised leisure centre will include an open reception area; a licensed cafe and juice bar overlooking the refurbished, deck-level swimming-pool; revamped village-style changing rooms; new creche facilities and greatly improved gym facilities with over 70 fitness stations, a new purpose-built dance studio and a new spin room. Users will also benefit from the upgrading of the current outdoor five-a-side area with an improved surface.

Externally, the building will benefit from a newly revamped entrance facade comprising double glazed curtain walling with colourful rain screen infill panels providing the relief. The roof coverings will be completely replaced and 160 sq m of solar thermal vacuum tubes will be provided to provide hot water to the showers and the pool.

The works also include a new vehicular entrance from Llanrumney Avenue, a new car park with improved lighting and a new landscaped entrance plaza.

Ecobuild unveils new plans for 2016

At a launch event in Central London, Ecobuild has unveiled exciting new plans to take it into the next phase of business growth and reinforce the brand's position at the centre of the UK building industry for more than 11 years.

Held at their stunning new headquarters at 240 Blackfriars, the event saw UBM Built Environment share their new vision for Ecobuild, which will build on the success of this year's show but also evolve in line with market trends and the changing building industry.

Alison Jackson, Group Director for UBM EMEA Built Environment Exhibitions commented: "Ecobuild will continue to be the most innovative and leading event on the construction calendar. This enduring brand has been updated and modernised for today's market challenges whilst reflecting Ecobuild's continued success in the construction industry."

Following a survey of 2,500 exhibitors and visitors, as well as input from focus groups, Ecobuild 2016 will feature a new, improved show layout, increased capacity conference arena, and three learning hubs,



covering industry trends and issues in Design, Zero Carbon and Energy. In addition, two unique inspirational features showcasing innovation and smart buildings will create a wow factor and allow visitors to touch, feel and learn about the future of the construction industry.

The company also presented Ecobuild's distinctive new branding and logo which will be rolled out across all communications, including all marketing and advertising collateral, website and digital media platforms.

events

AWARDS

British Homes Awards

16 October, London
britishhomesawards.co.uk

Brick Awards

18 November, London
www.brick.org.uk/brick-awards

FESTIVALS

London Design Festival

19 - 27 September, London
www.londondesignfestival.com

TOURS

Open House London

19 - 20 September, London
www.openhouselondon.org.uk

TRADE SHOWS

Decorex

20 - 23 September, London
www.decorex.com

100% Design

23 - 26 September, London
www.100percentdesign.co.uk

UK Construction Week

6 - 11 October, Birmingham
www.ukconstructionweek.com

Healthcare Estates

20 - 21 October, Manchester
www.healthcare-estates.com

Greenbuild Expo

10 - 11 November, Manchester
www.greenbuildexpo.co.uk

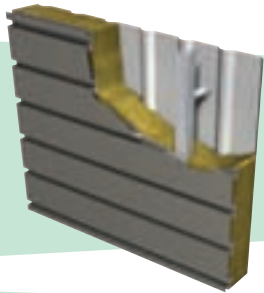
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www.thesleepevent.com

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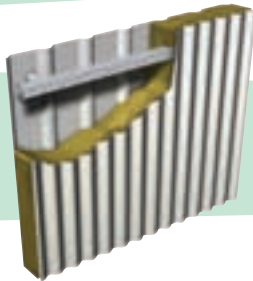


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AWARDS

World Architecture Festival Awards: 2015 WAF and INSIDE Shortlists announced

A staggering array of architecture and design practices from 46 countries are competing to win a coveted 2015 World Festival of Architecture Award following the announcement of the shortlist.

The eighth annual World Architecture Festival shortlist consists of 338 projects across 31 categories, ranging from small family homes to large commercial developments and landscape projects.

A substantial rise in entry numbers mirrors the global economic upturn in development and construction. The country boasting the largest number of shortlisted projects is Australia, followed by the UK and then Turkey – all of which have seen significant social and economic resurgence in the last few years.

Major world architects shortlisted include Foster & Partners, Zaha Hadid Architects, Herzog & de Meuron, OMA/Ole Scheeren, Rogers Stirk Harbour, Rafael Vinoly Architects, BIG, Grimshaw, Heatherwick Studio and Carlos Ott.

As usual a host of small practices unknown outside their own countries will pitch against the big names, presenting the shortlisted work to a 50-strong global awards jury. From small projects making a local contribution,

such as a school in Burkina Faso designed for the architectural charity Article 25, through to large scale Olympic stadia transformations by US sports giant Populous, all manner of architectural interventions are celebrated.

Regardless of their practice size and reputation, all shortlisted entrants will this year gain double exposure, having their projects exhibited across two continents. The shortlist was first seen at the new satellite WAF London in June, before arriving at the annual World Architecture Festival 2015 in Singapore this November. All shortlisted practices will be vying to win not only their individual categories, but the ultimate accolade of 'World Building of the Year 2015'.

Singapore will present an opportunity for shortlisted architects to network and discuss the big conversations affecting the industry, as well also providing a chance for professional critiques from this year's WAF 'super jurors': Royal Gold Medallist Sir Peter Cook (UK), Sou Fujimoto (Japan), Benedetta Tagliabue (Spain), Charles Jencks (UK/US), Kerry Hill (Singapore) and Manuelle Gautrand (France).

Running concurrently with WAF, INSIDE comprises of the most original and exciting interiors from the last 12

months. Nominations have poured in from 16 countries spanning four continents across the nine diverse categories that make up the awards. Among those competing are two dentistry, a music arena, two cinemas and a global TV studio.

Shortlisted designers include Benoy, Hassell and Woods Bagot. Chinese practice One Plus Partnership cap off a successful year with three nominations and make up some of the 12 projects that have been shortlisted from China and Hong Kong. Host nation Singapore have eight projects nominated, Australia seven and the UK have five. Again all nominees will compete in the form of live presentations and debates to a distinguished jury during the festival in November.

WAF programme director Paul Finch commented: "We are delighted with the diversity and exemplar quality of submissions this year. Our international juries are in for a tough time deliberating on the category winners. We look forward to another inspirational event in Singapore this November."

WAF and its sister event, INSIDE World Festival of Interiors, are supported by sponsors including Grohe and Akzo Nobel.



The Interlace residential development, Singapore, by OMA/Buro Ole Scheeren, shortlisted in the WAF 2015 Awards in the Housing – Completed Buildings category



Crittall Windows competition results!

We are pleased to announce the winners of the Crittall Windows competition, as featured in ADF May, congratulations! Each of the 20 winners will receive one of two framed illustrations (The Hoover Building shown) as part of Crittall Windows' 2015 advertising campaign:

Polyvios Astaniotis, Martin Calder, Stephen Chapman, John Duncan, David Hardcastle, Clive Hodgeman, Carolyn Jepps, John Karayiannis, Richard Lomas, Fiona Nixon, Frank Olchowski, John Pounder, Alex Robertson, Andrew Roelofs, Melanie Smith, Andrew Stanforth, Harry Turnbull, John Wallis, Gerald R Willams, Stelios Voutsadakis.

'We need a cultural shift in how we deliver construction in the next five years'

George Clarke



UK CONSTRUCTION WEEK

Industry leaders unite to discuss the future of construction

Skills shortages, planning restrictions and the need for cultural change were the key topics arising from a high level debate attended by leading voices from around the industry, as UK Construction Week's expert advisory panel met for the first time.

With momentum behind the exhibition building exponentially, the advisory panel brings together a team of motivated and inspirational figures from across the world of architecture, construction and politics to discuss their insights and ambitions to help shape the future of the show. This valuable input will drive the seminar content creation, ensuring it delivers a programme of relevant and heartfelt material that truly hits the mark.

Drawing on the panel members' shared commitment to promoting construction growth, the passionate discussion revealed a strong sense that UK Construction Week has arrived at a crucial time for the industry – with well-known TV presenter and architect George Clarke remarking that: "We need a cultural shift in how we deliver construction in the next five years."

Perhaps the strongest message to come out of the debate was the urgent need to tackle skills shortages and attract more young people into construction. Dr David Hancock, Head of Construction at the Cabinet Office, argued that now is the time to invest in up-skilling young people as there is £125 billion of public sector and infrastructure projects in the pipeline, which will require a ready and well-trained workforce.

Yet as Mark Clare, CEO of Barratt Developments pointed out, perhaps the answer lies not just in recruitment but in "building more with less people," through off-site and industrialised construction processes – particularly if the industry is to meet the proposed target of 200,000 new homes a year.

John Tutte, CEO of Redrow, went on to develop this idea further, pointing to an industrialised and process driven housebuilding industry of the future, where lessons can be learned from the automotive industry. In this vision, a different skill set will be required from the new generation of construction workers – perhaps taking on a more generalised

'service installer' role, rather than traditional plumbing or electrician trades.

While the general consensus seemed to be that a move towards a more manufacturing-based approach is key to the industry's future success, the panel also highlighted that this will require greater flexibility from local authorities that tend to veer away from standardised construction methods. This sentiment was echoed across the panel, with many participants pointing to the restrictive nature of modern town planning – which has turned planners into "the traffic wardens of the built environment," as Sir Terry Farrell, founder of Farrells architecture practice, put it.

Concluding that UK Construction Week will provide an indispensable space for the industry to unite, at a time when this joined-up approach is most needed, the advisory committee will be meeting again at the show to help steer and shape the future of construction.

Richard Morey, Group Event Director at Media 10, the company behind UK Construction Week, commented: "It was a privilege to take part in this debate and to be joined by so many leading figures. Hearing them talk so passionately about the need for the industry to work towards a new future was really inspirational and certainly confirms our belief that the time is right for an event that brings the whole sector together."

"Our task now is to take the crucial feedback and insight we have gleaned from this panel meeting and translate that into the seminar programme for the show – this process is well underway and we are confident the event will deliver a schedule of content that is absolutely on the money for the current industry climate."

Taking place at the Birmingham NEC from 6-8 October, UK Construction Week combines nine shows under one roof, uniting 1,000 exhibitors with an expected audience of 55,000 visitors. Visitors will be able to attend the Build Show incorporating Civils Expo, Timber Expo, the Surface and Materials Show, Energy 2015, Kitchens & Bathroom Live, Plant & Machinery Live, HVAC 2015, Smart Buildings 2015 and Grand Designs Live.

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‘Over the last years, energy performance and environmental awareness has been a hot topic in Europe’

ENERGY PERFORMANCE

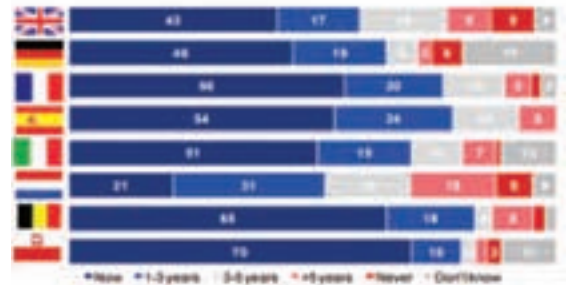
The Netherlands has fallen behind other European countries when it comes to energy performance

The European Architectural Barometer has shown that architects from several countries act differently when it comes to energy performance.

Architects in Poland and Belgium are the front runners in this case and are already dealing with obligatory guarantees for energy performance of buildings. The Netherlands are clearly lagging behind the other European countries. Obligatory guarantees is in this country something for the longer term. These are some of the conclusions of the European Architectural Barometer report, a quarterly market research among 1,600 architects in eight European countries. For quarter 2, this subject will again be part of the European Architectural Barometer.

Over the last years, energy performance and environmental awareness has been a hot topic in Europe. Buildings are responsible for 40 percent of the energy consumption in Europe. The construction sector keeps expanding and therefore the energy consumption will increase. The 2010 Energy Performance of Buildings Directive is the main legislation of the European Union when it comes to reducing the energy consumption of buildings. One of the conclusions of the European Architectural Barometer is that architects from several countries act differently when it comes to energy performance. The front running countries Poland and Belgium are already dealing with these guarantees while the Dutch architects consider this as a long term development. This quarter

Obligatory guarantees for the energy performance of the buildings



this subject will again be part of the European Architectural Barometer. The results of this barometer will show how the opinion of the European architects has changed in a year time.

These and many other results and trends of the developments of the European construction market can be found in the European Architectural Barometer, an international market research conducted among 1,600 architects in Europe. This study is conducted in Germany, France, Italy, Spain, United Kingdom, the Netherlands, Belgium and Poland by Arch-Vision four times a year. Besides indicators to forecast the European building volumes, a specific topic is highlighted each quarter. The topic for Q2 2015 will be “Architectural Design and Technology trends”.

NEW RESEARCH CENTRES

University of Huddersfield’s School of Art, Design and Architecture unveils two new research centres



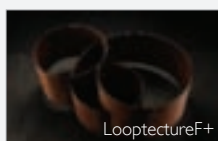
Two new research centres that aim to use design and technology to solve problems of modern living and improve the quality and sustainability of the urban environment have been established at the University of Huddersfield. They will carry out important research and teach the next generations of experts in the field.

The centres – which come under the aegis of the University’s School of Art, Design and Architecture – are the Innovative Design Lab (IDL) and the Centre for Urban Design, Architecture and Sustainability (CUDAS).

CUDAS will research the themes of urban design, architectural practice and humanities, plus Sustainable Environments and Practice. A common thread is the integration of architectural, environmental and urban design.

The recently launched Innovative Design Lab researches product design, with an emphasis on the built environment, pushing the impact of design thinking and practice to new areas. It cuts across architectural design, construction management, interior design, new product development, engineering, social sciences and health care.

Endo Shuhei: Paramodern Architecture



Endo Shuhei: Paramodern Architecture is the renowned Japanese architect's first solo exhibition in the UK, showcasing 25 models from a selection of Endo's work, as well as marking and celebrating the 25th anniversary of the establishment of his studio, the Endo Shuhei Architect Institute.

The architectural models crystallise Endo's ideas, each one functioning like a Zen riddle, poised to become something more, or something else, once the riddle is solved. Economical yet beautiful, these models are imbued with restless energy and deeper layers of meaning.

Those already familiar with Endo's work will know that he has preferences for certain types of material, such as industrial corrugated steel, which would be deftly bent, rolled and folded, corroborating the bold style that his buildings have come to be known for. All his

projects also have the suffix '-tecture,' as in Bubbletecture, Halfecture, Roofecture, etc., and such a systematic and consistent approach mirrors the rigour Endo employs for designing buildings.

The singular, determined focus that Endo has retained over the years is something that the Japanese architectural historian Hiroyuki Suzuki has noted before. Nevertheless, the way Endo twists and rolls the 'skin' of his buildings allows for a structure that is never fully enclosed.

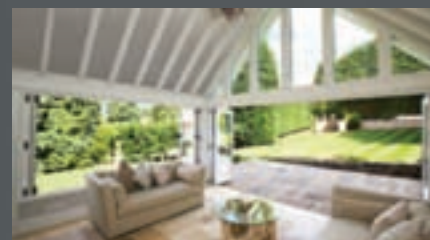
Interestingly, despite the shared quality of openness, which is indeed also found in traditional architecture in Japan, Endo's buildings have not much in common otherwise with the lightness of Toyo Ito's work or the delicateness of SANAA's work. Having lived through the Great Hanshin Earthquake of 1997, Endo is aware that modern buildings in Japan must be robust and serve to protect people from natural disasters rather than become further cause for casualties. This calls for careful planning. Ascetic appearance of his work is derived from his belief that social responsibility is implicit in architecture.

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From the makers of



AWARDS

The UK's best new buildings – 2015 RIBA National Award winners announced



Kew House, London by Piercy & Company © Jack Hobhouse



NEO Bankside housing by RSH+P © Edmund Sumner



Dundon Passivhaus by Prewett Bizley Architects © Prewett Bizley



The Fishing Hut © Niall McLaughlin Architects

The Royal Institute of British Architects (RIBA) is pleased to announce the winners of the 2015 RIBA National Awards, the most rigorous and prestigious awards for new buildings in the UK.

RIBA National Award-winning buildings set the standard for good architecture. The shortlist for the coveted RIBA Stirling Prize for the UK's best building of the year will be drawn from 37 award-winning buildings.

Award winners include a beautifully-crafted wooden fishing hut on a small new estate in Hampshire (Fishing Hut), a crisp, modern malt whisky distillery inspired by the shape of a barley sheaf (Dalmunach Distillery), a patterned red-brick church centre and apartments surrounding a listed church in Hackney (St Mary of Eton) and a modest and calm cancer care centre (Maggie's Lanarkshire).

The stand-out trend of the 2015 RIBA National Awards is the prevalence of high quality new housing developments. One quarter (8) of the 37 award winners are housing projects by developers ranging from large housebuilders and housing associations to smaller bespoke schemes by private investors.

At a time when the lack of decent housing dominates the political agenda, amongst the winning projects are some exceptional examples of well-designed affordable and sustainable new developments. Great examples include the regeneration of over 200 homes on the Gorbals district of Glasgow (Laurieston Transformational Area) and, at the other end of the size scale, an elegant five-storey, 13-home affordable housing block for Peabody in East London (Darbshire Place).

Private housing developments include Richard Rogers' housing towers on prime London real estate (Neo Bankside), a 45 home canal-side development in west London (Brentford Lock West) and 14 distinctive homes

stepping down through a gap in the heart of St Andrews' old town conservation area (West Burn Lane).

Exceptional education buildings also feature strongly on the winners list. From a small delightful nursery school for the University of Edinburgh (Arcadia Nursery), new state schools (Burntwood School, Ashmount Primary School), an independent school building (Uppingham School Science Centre) and a special needs school building (Alfriston School pool building) to major university buildings (University of Greenwich library building, Manchester Met Student Union), these projects will benefit generations of children, students and staff.

One quarter (9) of the RIBA National Award winners are private homes and garden buildings. Ranging from a stone and copper-clad tiny retreat buried in a Wiltshire garden (Myrtle Cottage Garden Studio), to an architect-owned low-energy house on the edge of a Somerset village (Dundon Passivhaus) and a strikingly modern family house in County Down (House at Maghera).

Speaking today, RIBA President Stephen Hodder said: "The RIBA National Awards provide a unique insight into UK construction, investment and design trends.

"The UK is blighted by poor-quality new housing and dilapidated school buildings, so I am delighted that the notable trends amongst this year's RIBA National Award-winners are the volume of inspiring new housing and education projects.

The 37 buildings that have won a 2015 RIBA National Award can be viewed at www.architectsdatafile.co.uk by entering reference number 98338. The shortlist for the RIBA Stirling Prize for the UK's best building of the year will be selected from these winners. The winner of the RIBA Stirling Prize will be announced at a special event on 15 October in London.

COMMENT

Skilled-worker immigration cap to affect availability of architects

The allocation of restricted Tier 2 visas, which allow entry of skilled migrant workers into the UK were reached in June and could potentially affect architect practices outside of London that rely on this workforce warns head of immigration, Simon Kenny of Moore Blatch.

The Tier 2 application process, which works on a points based system, has an annual cap of 20,700. On a monthly basis there are approximately 1,700 Certificates of Sponsorship available and where more applications are received than points available, those with the highest points will qualify for entry.

Priority is given to roles that are on the shortage occupation list (scoring 75 points), roles requiring a PhD which are in a research field (scoring 50 points) and then roles where a resident labour market test has been carried out (30 points). As well as this, points are also scored based on the salary the role attracts, with higher salaries attracting more points.

In June the minimum qualifying mark was 50 points to obtain a Certificate of Sponsorship. This meant that if those applying did not fit into the priority category, applicants would need a salary of £46,000 and above to enter the UK and work.

Simon comments: "This is most likely to affect architect practices outside of London that rely on skilled workers with salaries lower than £46,000, many of whom will have had their permission to work refused in June."

It is predicted that the cap in July will also be reached; for businesses in London that are able to offer higher salaries there is likely to be less effect, but outside of London, there could be a shortage of many skilled workers which will effect services to people, particularly smaller architect practises or those likely to hire international graduates.

"Many businesses will be concerned about the knock-on effects on growth and the economy and if this is allowed to continue, there could be long term risks to British business, with some opting for overseas operations.

"The Government came under considerable pressure during the election campaign to ensure that future immigration targets they committed to were met – whilst this is being followed, there does seem to be an inherent bias in the points based system, which could see architect practices outside of London missing out on key workers for business growth and must be reviewed as a matter of urgency," concludes Simon.




Simon Kenny of
Moore Blatch






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ROOF GARDEN

Head in the clouds following launch of Sweden's highest roof garden

Towering above the rest of the Swedish capital at 10 storeys, Urban Escape Rooftop will comprise 3,450 sq m of public garden space over three interconnected buildings. It will unlock unrivalled 360-degree views across the Swedish capital – previously inaccessible to the public – and will overlook the Royal Palace, the Old Town and Södermalm district. Like many cities, there is a shortage of public space in the Swedish capital. As one of Central Stockholm's most prominent landowners, the Swedish property developer and investor is in a unique position to deliver this through its Urban Escape regeneration project of a whole city centre block. It will lead the way among the development community by going up, rather than out, to increase density and dramatically improve accessibility to public space, and therefore quality of urban life in the Swedish capital.

Urban Escape Rooftop will be the crowning glory of Urban Escape Stockholm – a 130,000 sq m mixed-use development that will champion a new approach to offices. The development also comes in response to AMF Fastigheter's latest research project with the Swedish University of Agricultural Sciences (SLU) to demonstrate the intrinsic link between the use of outdoor spaces in corporate environments and increased wellbeing and productivity.

Due to commence construction over a phased period in 2017, Urban Escape Rooftop will incorporate a roof top restaurant. The 2,450 sq m of open landscaped gardens will also include space for wellness, fitness and private meetings and designated space to grow produce for the restaurant occupiers, helping to reinforce Urban Escape Stockholm's sustainability credentials.

Karolin Forsling, Chief Development Officer, AMF Fastigheter commented: "People are the beating heart of buildings and cities and they are the focus of the concept for Urban Escape Stockholm. We know that people need to feel

connected, to interact, to be part of something and to have the freedom and space to share ideas."

"Urban Escape Rooftop will give them just that – it will take advantage of what would have otherwise been neglected space and make Urban Escape Stockholm a truly mixed-use multi-level development that can be enjoyed and is open to all, not just its occupiers."



Wilhelm Lundborg, CEO of Tictail, occupier of Urban Escape: "To attract the best talent, we need to be able to offer our employees and colleagues more than just office space. We need to create the right backdrop for them to work, live and socialise across a variety of spaces and formats, as this is how the modern workforce operates and how new ideas are formed. This is why we have chosen to take space in Urban Escape Stockholm and see that this latest announcement can only ensure this further."

When complete, Urban Escape Stockholm will be anchored by two hotels with conference space and seamlessly integrate the wider business ecosystem of the Swedish Capital. Once completed in 2019 the development will comprise 62,000 sq m of modern office space and 38,000 sq m of retail and leisure in addition to 29,000 sq m of hotel and conference space.

Roper Rhodes is Principal Partner of Canaletto: Celebrating Britain exhibition

Bathroom supplier Roper Rhodes has been announced as the Principal Partner of the Holburne Museum's Canaletto: Celebrating Britain exhibition, which takes place from 27th June to 4th October 2015.

This latest partnership represents a five figure investment by the bathroom company and will enable the museum to dedicate its top floor to the Canaletto: Celebrating Britain exhibition, which features a plethora of artwork by renowned Venetian artist Canaletto, including the world

famous London: The Old Horse Guards from St James's Park painting.

For the first time, the exhibition brings together an extensive collection of paintings and drawings celebrating British architecture and engineering created by Canaletto during his nine year stay in Britain between 1746 and 1755. Canaletto: Celebrating Britain opened at Compton Verney in March and will end at Abbot Hall Art Gallery in Kendal in February 2016.

news bytes

Visit the website www.architectsdatafile.co.uk and enter the reference number for more information

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HS2 INTERCHANGE

WSP | Parsons Brinckerhoff appointed by Network Rail to design new HS2 interchange

WSP | Parsons Brinckerhoff has been appointed by Network Rail to deliver engineering consultancy and infrastructure planning services at Old Oak Common, for the key interchange station between the Great Western Main Line / Crossrail and HS2.

WSP | Parsons Brinckerhoff will undertake an early phase study to investigate the realignment of the existing tracks at Old Oak Common to create space for construction of a new station as part of the plan to allow easy interchange between HS2, Crossrail and the Great Western Main line, as well as with Heathrow Express and other local public transport. The realignment works and new station would involve multiple construction stages to ensure that construction work does not interfere with the smooth running of the existing busy transport links.

WSP | Parsons Brinckerhoff was appointed in 2012 to develop the design of the high speed and conventional railway systems for HS2 along the whole HS2 Phase 1 route from London to Birmingham, including the interface works at Old Oak Common. In addition WSP | Parsons Brinckerhoff was appointed in 2013 by Transport for London (TfL) to develop options and make recommendations for a preferred solution for, linking London



Overground services to the proposed HS2/Crossrail/GWML interchange at Old Oak Common.

Old Oak Common is set to become a key hub connecting London to the rest of the UK. Positioned mid-way between Heathrow and the centre of London, the station will handle more than 250,000 passengers a day and will also deliver huge regeneration potential to the area.

Darren Reed, WSP | Parsons

Brinckerhoff Head of Rail, said: "This project has national significance as it involves HS2, Crossrail, the main Western rail artery and the express service to the UK's largest airport. The complexity of this project requires excellence in designing, planning and engineering, and we are looking forward to delivering the benefits of our combined railway, station, and civil engineering expertise."

Skanska renovates and expands Tampa International Airport

Skanska has signed a supplemental contract to renovate and expand the Tampa International Airport (TPA) Main Terminal building in Tampa, Florida. The contract is worth USD 60 million, about SEK 500 million, which is included in order bookings for Skanska USA Building for the second quarter of 2015.

When completed, the project will add 5,000 square

meters to the terminal's third-floor transfer level, with nearly 1,400 square meters of indoor public seating and large outdoor terraces.

Skanska began construction of the expansion in December 2014. The renovation will begin in July 2015, and the total project is slated for completion in November 2017.



Artist's rendering of Tampa International Airport

LEISURE CENTER REFURBISHMENT

'The completed refurbishment has provided a state-of-the-art facility fit for use by all members of the local community'

Sobell Leisure Center, Islington, London, opens after £1.2 million refurbishment

Pellings, the multi-disciplinary architectural, property and construction practice has completed the £1.3 million refurbishment of the Sobell Leisure Centre in Islington, north London, which was opened in 1973 and was the only leisure centre to be designed by celebrated Centre Point architect Richard Seifert.

Opened by the Duke of Edinburgh in 1973, the Sobell Leisure Centre was a gift to Islington's residents from Sir Michael Sobell, a wealthy philanthropist. Since its launch the centre has become a much loved facility and a hub for sporting development including being an official training facility for volleyball during the London Olympics in 2012.

Pellings was appointed by the London Borough of Islington to provide concept and outline design for the internal refurbishment of the centre, to undertake the Construction Design Management Co-ordinator role, and Employer's Agent services (space planning and achieving Sport England compliance).

The refurbishment has been funded by the London Borough of Islington, Sport England and the London Marathon Charitable Trust.

The centre is situated in the heart of Islington, minutes away from Arsenal's Emirates Stadium, and boasts a sports hall, Junior/Gallery Gym, exercise studios, squash courts and ice rink.

Pellings' brief was to remodel the existing space to encourage wider participation in sport in the local area, increase membership within the 13-19 year old age group, and make the centre more accessible for disabled and disadvantaged members of the community by bringing the centre up to Sport England and Part M (disabled access) requirements.

The scope of works comprised the refurbishment of the junior gym to include a sprint track, part-refurbishment and expansion of the Gallery Gym to provide a boxing facility, remodelling of existing changing rooms, and refurbishment of



meeting rooms. An unused shower/store area was also refurbished to assist with the phasing of the construction works. The refurbished areas also provide a new accessible changing places unit comprising an adjustable table, ceiling track hoist, wash-down facility and accessible toilets.

Furthermore, as part of the Olympic legacy, a new volleyball court was created in the main arena using donations from the London 2012 Olympic Legacy Fund.

The completed refurbishment has provided a state-of-the-art facility fit for use by all members of the local community. The Sport England transformation has not only dramatically improved the centre's facilities such as 'Boxfit' fitness classes for all ages, but has also created an 'urban space' which should help to increase the centre's appeal to young people. Also, there are increased opportunities for basketball, gymnastics, netball and volleyball within the centre.

The design & build construction contract was undertaken by local contractor Cosmur Construction (London) Ltd and the works were completed in 10 months in time for the centre to be used as the main counting station at the General Election on 7 May 2015.

The centre remained open for over 12 hours a day during the construction period for the use of the whole community.

HS2's future station designs



High Speed Two is on track to become Britain's single biggest infrastructure project for the next decade or so, but what is this massive railway programme looking for when it comes to its stations?

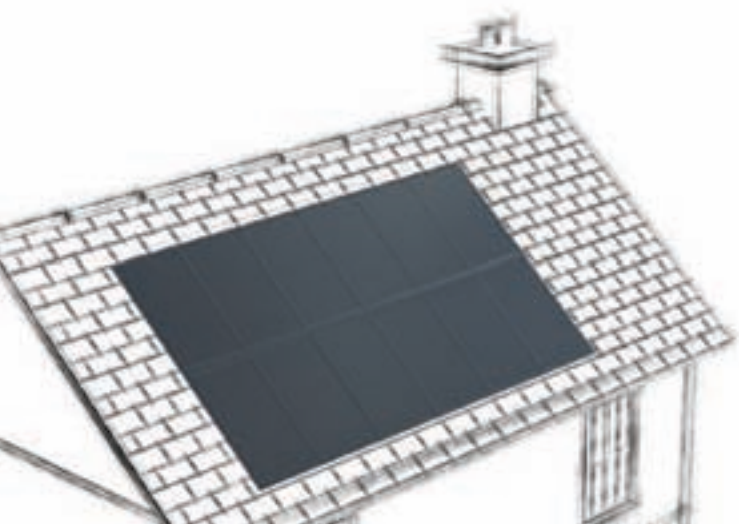
So far there has been much debate about where the stations should be located, but very little has been said about the design of these inevitably

high-profile buildings.

Architect's Datafile invited Laura Kidd, HS2's Head of Architecture, to outline the fundamental principles that underpin the scope and development of the line's future stations.

Read what she has to say on page five of our Design in Transport Infrastructure supplement, free in this issue.

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Final call to enter the SBID awards

There are only a few days left to enter the SBID International Design Awards!

Following the success of previous editions, this year's SBID Awards are designed to surpass the rest. Since its inception in 2011, the SBID Awards has served to recognise, reward and celebrate all design excellence, from super luxury projects to innovative design and new talent on limited budgets.

This year's edition will include the new categories Office Design and Healthcare Design which will be added to the existing popular categories ranging from best Hotel Design, Retail Design and Intelligent Design to best KBB Project, Public Space and Visualisation (3D renderings) to make a total of 14 categories.

Architects, interior designers and manufacturers are invited to submit their projects and products into the SBID Awards 2015. The deadline for submitting entries is 30 July 2015.

'Architects, interior designers and manufacturers are invited to submit their projects and products into the SBID Awards 2015'

BOOK

Daniel Nassar and Julio Antonio Blasco's Animal Architects

September 2015

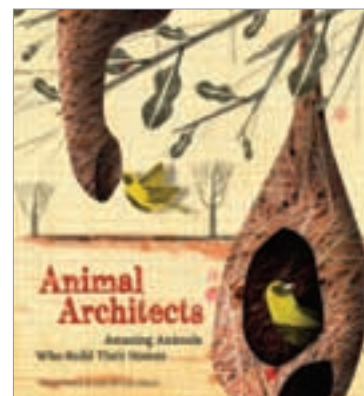
Animal Architects by Daniel Nassar and Julio Antonio Blasco and to be published by Laurence King is a fun and informative guide to how some of the most accomplished architects in the animal kingdom create their homes.

When it comes to building a home, most animals are content with finding a dry, sheltered place, safe from predators, to bed down for the night. Not so for the creatures of *Animal Architects*, who take great pride in creating spectacular and elaborate abodes.

This beautifully-illustrated book aims to teach children about the ingenious home-building skills employed by insects and arachnids; birds; amphibians; rodents and mammals.

The book features 14 species, including the Caddisfly, Leafcutter Ant, Beaver, African Tree Frog, Spider, Chimpanzee and Hummingbird.

Each spread contains a beautiful, colourful illustration of each animal and its home, plus a unique fold-out information panel, with stats and a



simple architectural diagram showcasing the creation of the 'architect'.

Take a sneak peak inside the African Weaverbird's dangling nest, complete with a clever entry tunnel, and find out how Termites construct their impressive colonies that can house up to three million of them. With its fun facts, accompanied by beautiful illustrations, *Animal Architects* will delight as well as inform young minds.



Finalists will be announced in September 2015 while sponsors and VIPS will be invited to our annual afternoon tea at the House of Lords in November 2015. The winners will be announced at the SBID International Design Awards ceremony at The Dorchester hotel in London on 27 November 2015.

Entry is free of charge for SBID members and a fee applies for non-members. Previous editions' finalists and winners are available to view at the SBID Awards website



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EXPANSION

'DarntonB3 will draw upon experience and ongoing projects throughout the UK, with clients across all market sectors'

Architects announce major merger and expansion

A merger between two of the UK's leading architectural practices has seen the creation of a major national consultancy, DarntonB3 Architecture with offices across 11 UK cities.

The new group has been formed with immediate effect through the merger of Darnton EGS Ltd and B3 Architects. This is a strategic move and the result of months of discussion between both businesses. The creation of this new, larger group, will provide a strong platform for future growth and enables the business to provide a full service offering including; Architecture, Project Management, Building Services Design, Interior Design, Building Information Modelling, Health & Safety services and 3D visualisation.

DarntonB3 has nine directors, 150 staff and will operate from 11 UK offices in 4 geographic regions:

- London and the SE: London and Loughborough
- Central: Leeds, Bradford and Manchester
- Wales and the SW: Cardiff, Bristol, Newtown and Aberystwyth
- Scotland and the North: Newcastle and Glasgow

Alistair Hamilton, has become the managing director of DarntonB3. He is joined on the Board by David Suggitt, Keith Hardcastle, Alex Lodge, Ciara Ryan, Rory Campbell-Pilling and Paul Davies from Darnton EGS, together with Dyfrig Jones and Simon Turner of B3 Architects.

Alistair Hamilton commented: "This exciting move builds on the momentum we have created in developing our business and will create a national force to further enhance our service provision to clients throughout the UK.

"We have strong experience in bringing together successful companies to reach new heights and I am excited by the prospect of taking DarntonB3 to the next level, building on our award winning services and track record."



DarntonB3 board member Dyfrig Jones and Managing Director, Alistair Hamilton

DarntonB3 will draw upon experience and ongoing projects throughout the UK, with clients across all market sectors, including Retail, Residential, Sports and Leisure, Industrial and Manufacturing, Education, Rail and Transportation, Hospitality, Heritage, Healthcare and Commercial Development. Key clients include, Marks & Spencer, Wm. Morrisons, Lloyds Banking Group, London Underground, Primark, Vodafone, Nestlé, Coca Cola, the Welsh Government and Swansea University.

Darnton EGS Ltd was itself previously created through the successful merger of Darnton Elgee and EG&S Ltd in 2008. Dyfrig Jones says: "I am delighted that B3 Architects has entered in to a merger agreement with Darnton EGS. This is a very exciting development for both companies; the merger will strengthen our position in the market considerably. The combination will enable us to continue to provide our clients with a high quality service in more market sectors and in even more geographical regions of the UK."

Fast-expanding North East practice invests in local talent

A North East architects firm with ambitious plans for the future has invested in new staff and made promotions across the board to match its fast-paced growth.

Gradon Architecture, based at NE40Studios, a locally listed converted church in Ryton, Gateshead, has appointed four new staff, growing its numbers to 21 since its inception in

2009. Gradon, which has a track record for nurturing North East architectural talent, creating tailor-made apprenticeships for local students, has also welcomed two recent graduates to the team.

This investment in staff follows Gradon opening a studio in Mongolia earlier in the year, becoming the first UK practice to set up home in the



(L-R): Daniel Salkeld, Robert Eaton, John Carr and Simon Baker

country. The firm has subsequently reached the last three architects in the running to design a £200 million shopping and entertainment complex in the country's capital Ulan Bator.

New modular floating villas make luxury offshore living a reality



BMT Asia Pacific (BMT) has unveiled a coastal living concept that offers more than style and luxury: it promises hotel developers a flexible, readily deployable offering that provides an enthralling experience; able to be presented to discerning holidaymakers around the world.

Entitled SeaScape, this concept of floating villas features clean lines and open air spaces, housed on a stylised

triangular pontoon base. Each villa – or module – can exist standalone or as part of a larger integrated complex – modules simply connect together edge-to-edge, producing a number of possible arrangements.

Richard Colwill, Managing Director of BMT Asia Pacific notes: “In the Hotel & Tourism space we know we need to offer not only a unique experience, but also

competitive costs and feasible deployment and operation”

SeaScape is the new modular sister of Sea-Suite, a series of egg-shaped floating villas and beach cabins developed in 2013 by BMT. After noting interest in Sea-Suite from homeowners and developers across oceans, BMT evolved the SeaScape design, in part, to provide the solution to logistical challenges of long-distance shipping and installation at remote sites.

Pre-fabricated parts can readily fit into standard shipping containers and allow for simpler and more cost-effective construction. Leveraging BMT’s experience in naval architecture and offshore engineering, materials have been carefully chosen to ensure high quality fabrication and finish.



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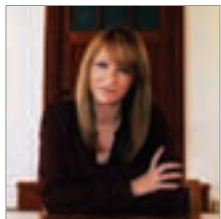
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'I think it's really important to help young women, and men, realise that it's ok to follow their passion and entirely possible to be successful too'

Sara Harraway,
director for CPMG Architects



CPMG Director inspiring women in architecture

In an industry traditionally dominated by males, the female director at a Nottingham-based architect firm is breaking the mould by setting up a ten-strong female team and speaking at a conference for inspiring women.

Sara Harraway, director for CPMG Architects is heading up the new interior design team which has grown from strength to strength after supporting the fit-out contractor for the Inter-continental O2 Hotel on London's Greenwich peninsula.

Now the interior design team is securing a flurry of new business wins and encouraging students to gain experience at the firm.

Sara explained: "More businesses are realising the value of interior design and this has allowed us to develop a dedicated in-house interior design team that has already grown to ten and is offering services independently from the architecture design teams.

"The success of this element of our business has evolved through many years of creative collaboration of our entire team, whether architect, technologist or interior designer, male or female. We now have a diverse and talented team of over 80 which also includes a number of our female colleagues returning to work on a flexible basis following maternity leave. It's a staff profile we are extremely proud of."

This comes at a time when approximately 1,850 of the UK-based architects (29 per cent) are women. Nationally the UK's top 10 practices are made up of 34 per cent women, and at CPMG the percentage is actually 35 per cent.

Sara said it is a really exciting time to be working in design and construction. She said: "Historically, construction was dominated by men but I've started to see a real shift in this pattern in recent years.

"We've got really strong links with local universities and offer excellent training opportunities and experience to students. In the last 12 months we have welcomed over 20 students and we've had some really strong female candidates join us, which is great."

CPMG currently has seven female trainees at various stages on their career paths following architecture, interior design or architectural technology. Some will return to their studies at the end of the summer when the firm hopes to bring in further trainees.

"I think it's really important to help young women, and men, realise that it's ok to follow their passion and entirely possible to be successful too. Decisions we make about our futures are heavily influenced by stereotypes, family culture and where you grow up, but I'm proof that it's possible to be successful in an industry that is often considered male orientated."

Now the former Business Women of the Year leads a team that's working on the multi-million project to create the best students' union in the UK at the University of Nottingham. The Portland Building will be fully refurbished and remodelled over three successive summer periods to create a dynamic hub that will become the new heart of the campus. This project is close to Sara's heart after she was first employed as a junior interior designer at the firm to work on the building's final phases of refurbishment in 1994.

Nick Gregory, director of CPMG said that Sara was a great role model for women in construction. He said: "When I joined the business in 1995 Sara was the only female technical member of staff, so it's fantastic to be in the place we are now. The work being secured in the interiors field is a testament to the hard work that has been put in by Sara and the interior design team – it's going from strength to strength."

RIBA responds to government's productivity plan

The Royal Institute of British Architects (RIBA) responded to the Government's Productivity Plan, 'Fixing the Foundations: Creating a More Prosperous Nation'.

RIBA President Stephen Hodder said: "If fully implemented, these reforms represent a significant step forward in tackling the economic damage to the

UK's competitiveness created by the housing crisis.

"The Government must use this opportunity to deliver on their commitment and set out aspirational and rigorous standards for all new housing developments. National space standards and a broad mix of housing types and tenures are vital components

of the standards needed to deliver high-quality, sustainable homes and strong communities."

For an in depth look at RIBA's comments on specific measures within the Productivity Plan, please visit www.architectsdatafile.co.uk and enter reference number 51906.

RIBA future trends survey for May 2015 – growth predicted despite fall in public sector workloads

- Architecture practices in the North the most confident about future workloads
- Practices now employing 5 per cent more students than 12 months ago

The RIBA Future Trends Workload Index was virtually unchanged in May 2015 (at +37, up from +36 in April). Practices in the north of England (balance figure +50), Wales and the West (+44) and London (+40) are the most optimistic about future workloads.

Medium-sized practices (11–50 staff), with a balance figure of +54, continue to be the most optimistic about future growth; small practices (1–10 staff) and large practices (51+ staff) also remain positive about the outlook for future workloads (balance figures +35 and +33 respectively).

The private housing sector forecast fell slightly in May (to +34 from +38 in April). This month also saw the public sector forecast move into negative territory for the first time since July 2014 (down to -1 in May 2015, from +3 in April). Our respondents anticipate public sector spending on building projects to be flat at best over the coming quarter.

More positively, the commercial sector forecast increased to +21 (from +15 in April), while the community sector forecast made a recovery from its recent decline (rising to +4 in May from -3 in April).

The RIBA Future Trends Staffing Index fell slightly to +16 (from +18 in April 2015), with medium-sized practices the most confident about increasing their staff over the next quarter (+55). For large practices, the balance figure for May was a healthy +50; small practices remain significantly more cautious at +8.

Overall, 17 per cent of participating practices expect to see an increase in temporary staff over the next quarter while only 2 per cent anticipate employing fewer permanent staff over the same period. Just 12 per cent of respondents said that they had personally been under-employed in the last month. Practices also reported that they currently employ 5 per cent more students (year out or post-Part 2) compared with the equivalent period last year.

RIBA Director of Practice Adrian Dobson said: “Our employment index has been in very positive territory for some time and there is every indication that the employment market for salaried architects will remain strong over the coming quarter.

“Our practices expect the commercial sector to perform well during 2015, led by the office and leisure markets. Despite a slight dip in the private housing sector forecast, possibly associated with decreased house building around the recent General Election, it remains the best performing of our sector forecasts.

“We continue to receive reports that clients remain resistant to increases in fee levels, leading to tight profit margins on many projects. However, as the employment market becomes more competitive, we would expect to see greater salary expectations along with more general economic growth bringing some upward momentum to fee levels.”

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PORT REGENERATION

Dover waterfront regeneration sets sail

Leslie Jones Architecture has been appointed by the Port of Dover and Bride Hall Real Estate Partners to design and deliver the commercial strategy of the partnership's Dover waterfront regeneration project.

The significant mixed-use development is expected to

include residential, retirement living, catering, retail and leisure facilities to revitalise the town and elevate the area's tourism offering. Leslie Jones's designs will compliment Dover's historical context, while bringing a modern mixed-use development to the world's most iconic international transport hub concepts.

James Cons, managing director at Leslie Jones Architecture, comments: "Our appointment to deliver a viable mixed-use development for one of the UK's most significant transport hub regeneration projects is testament to our team's expertise of applying successful designs to varied contexts. We understand how to capture successful elements of mixed-use schemes across the UK, and adapt, then transfer them to the benefit of other developments. We are excited that this waterfront location will be brought back to life and become a destination that local people and visitors call home."

The waterfront regeneration project will be developed as part of the wider Dover Western Docks Revival project, which will ensure the port, handling goods worth an estimated £100 billion on behalf of UK plc, can utilise its unique location to develop its cargo business whilst supporting the existing ferry, cruise and marina operations throughout the projects' timelines.



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COMMENT

New images unveiled of Gatwick expansion plans, Sir Terry Farrell comments

With a final recommendation on the UK's next runway expected shortly, new images have been unveiled of Gatwick's plans with architect Sir Terry Farrell saying "It's not just a second runway, it's a brand new airport".

Farrell's new images released show an expanded Gatwick as the airport of the future, with a series of world-class improvements that will eliminate queues, speed up passenger transit, and help Gatwick become the world's most efficient two-runway airport.

Along with Farrell's world-class designs, Gatwick's plans offer the only deliverable solution for the UK's next runway with an expansion scheme that is: **Simpler** – Gatwick has land already safeguarded for expansion with a second runway scheme called "relatively low risk" by the Airports Commission. Heathrow's plans require a series of complex and costly infrastructure projects, including the need to tunnel part of the M25.

Cheaper – Gatwick's plans will be privately financed and do not require a penny of taxpayers' money, unlike the £5.7 billion of public funds Heathrow's expansion plans require

Quieter – where Heathrow expansion would impact 683,000 people with noise, Gatwick would have a fraction of the impact (36,000 people) with industry-leading initiatives in place to help minimise, mitigate and compensate any impact on local communities

Faster – Gatwick can have a new runway operational by 2025, quicker than the Airports Commission estimate either Heathrow expansion scheme would be ready.

Sir Terry Farrell said: "Our proposals for Gatwick are not just for another runway, but an entirely new world class airport for London and the UK. Heathrow cannot deliver that."

"Our vision for Gatwick is that it becomes the world's most efficient two runway airport – flexible and responsive



to meet the changing needs of passengers and airlines. With an elegant and simple terminal layout, we have designed a direct and straightforward route from curbside to plane, creating a seamless passenger experience. Queues have literally been designed out and the new terminal will be simple and convenient to use with minimal changes of level. The airfield itself will also offer the shortest taxiing distances possible with the new apron sitting between, and in close-proximity to, both the existing and new runways."

UK's largest zoo extension opens – Eight years of work by Barton Willmore comes to fruition

The UK's largest zoo extension has opened to the public at Chester Zoo. This marks a significant day for Barton Willmore, the UK's largest independent, integrated planning and design consultancy, which were instrumental to the 'Islands' scheme by advising on the planning permission, adding the first Zoo project if its kind to their repertoire.

Phase one of Chester Zoo's £40 million 'Islands' scheme launched on July 13th and is expected to welcome 150,000 visitors in its first year.

Islands features five different habitats linked with a series of bridges

and a 'Lazy River' boat trip for visitors to explore. Islands hosts habitats and animals from Panay, Papua, Bali, Sumatra, Sumba and Sulawesi, with the project being one of the most ambitious zoo developments in Europe, spanning over 50,000 square metres.

Designed by Berlin-based architects Dan Pearlman and expertly project managed by Turner & Townsend, Phase two of Islands will house 'Monsoon Forest', the largest indoor zoo exhibit in the UK, which will be home to Sumatran orangutans, Sulawesi macaques and Sunda Gharial,

a type of crocodile.

Collectively, the design and planning team has delivered Islands as part of the Zoo's wider vision to retain its position as the UK's number one zoo.

After running a stakeholder and community engagement programme, Barton Willmore's team first submitted a planning application to Cheshire West and Chester Council in 2009. Outline planning permission was granted in 2010 and the Islands scheme received full planning permission in 2012.

cpd focus

NEW PEGLER YORKSHIRE CPD



Leading plumbing and heating manufacturer, **Pegler Yorkshire**, has launched a portfolio of CPD modules which are suitable for industry professionals across a variety of sectors. The online training modules, which can be accessed via 'My PY' on the company's new website, cover general topics such as; Central Heating, Taps & Mixers, Metal Push-fit and Commissioning. More CPD training modules will continue to be uploaded onto the Pegler Yorkshire website throughout the year.

0844 243 4400
www.pegler-yorkshire.co.uk

enq. 113

GREENING THE GREY



Scotscape is pleased to announce its CPD *Greening the Grey*, which aims to assist both specifiers and architects when designing and selecting living wall systems. It covers the benefits of living wall systems, good design, installation and maintenance, and the specialist irrigation required to achieve a successful living wall. Scotscape has developed a Fabric Living Wall System with integrated insulation, allowing specifiers to quantify the thermal benefits and energy efficiencies that this system brings.

020 8254 5000
gordons@scotscape.net

enq. 114

WHY WRAS



Hansgrohe has a new RIBA approved core curriculum CPD about WRAS (Water Regulations Advisory Scheme) called '*Why WRAS*'. Content discusses the importance of compliance to ensure successful project specifications and explores the risk of non-compliance which can have far reaching implications across all the stakeholders. The Regulations apply to all commercial buildings such as hotels, large housing projects and offices.

01372 465655
www.hansgrohe.co.uk

enq. 115

EXTERNAL WALL INSULATION SOLUTIONS FOR SOCIAL HOUSING CPD



Structherm is pleased to offer this RIBA approved CPD to specifiers, architects and social landlords. Structherm are market leaders in External Wall Insulation and Structural External Wall Insulation. Its systems have been developed over 30 years and are ideally suited for the refurbishment of solid wall properties, non traditional housing and high rise buildings. Product samples will be used to support the seminar. Product literature and case study information will also be available to attendees.

0800 0407 460
www.structherm.co.uk

enq. 116

Cranleigh School Commission – new building designed by Allies and Morrison



Cranleigh School in Surrey has commissioned a design by Allies and Morrison for the Cranleigh School Teaching Building and Gatelys' cafe project.

The proposal redevelops and expands a disused squash court to create new teaching and social facilities for the school. Two levels of classrooms will ring a double height cafe and circulation zone at the centre of the building. The layout is designed to encourage student interaction and a sense of community, helping students to feel more independent as they prepare to move on to University.

The project will bring several additional benefits: the creative incorporation of an old structure within the new is both economical and sustainable; by providing new teaching space the project will allow boarding houses converted to classrooms to be returned to their original use; and the new building's relationship to two existing structures will frame a new courtyard for the campus. The project will be Cranleigh's new academic heart.

The Cranleigh commission adds to Allies and Morrison's strong schools portfolio which includes recent RIBA winning projects at Brighton College and St Thomas the Apostle College, London. Allies and Morrison was named Education Architect of the Year by Building Design in 2014.



continuing professional development

Maintaining and improving professional competence, skills, abilities and knowledge

SIMONSWERK RIBA APPROVED CPD

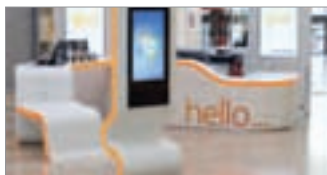


SIMONSWERK's RIBA approved CPD will provide Architects with the technical knowledge for specifying the correct hinge for the right application. The presentation offers guidance on Door Specification, Legislation, Building Regulations, Fire & Safety in use, CE marking – MANDEC and the Equality Act. SIMONSWERK's range include the outstanding fully concealed TECTUS system and the increasingly popular TRITECH solid brass hinge with concealed bearings and load capacity to 160kg.

0121 522 2848
www.simonswerk.co.uk

enq. 117

SOLID SURFACES CPD SEMINAR

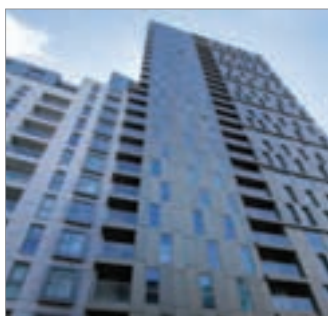


The seminar from **CD UK** is structured as follows: Development of Solid Surface from 1960's to present day; Raw materials, adhesives and composition; Solid Surface characteristics and benefits; Manufacture: Sheet, Matrix sheet and shape product; Comparison of Solid Surface characteristics; From production to fabrication process; Properties of Solid Surface; Architectural and Design possibilities; Current applications (visuals); Environmental considerations; Support, warranty and service infrastructure

0113 201 2240
www.cdukltd.co.uk

enq. 119

STICK BUILT OR UNITISED FACADES: MAKING THE CHOICE



Working with unitised facades when delivering a building envelope requires a very different approach compared to the conventional stick curtain walling. Having a good understanding of what can be achieved with each type of installation will eliminate any possibility of under/over specifying, and will help identify the most cost effective solution for every project.

Hueck UK, the British branch of one of Europe's largest manufacturers of aluminium windows, doors and facade systems, is tackling this subject in a new CPD seminar, which will take place on July 29th, at The Building Centre in London. The event is hosted by Hueck, as part of its ongoing commitment to being a responsible supplier for the industry, as well as to provide knowledge, expertise, and the latest technical information on facades for industry professionals wanting to stay ahead of the curve. The event will also include a presentation by Interpon, the world leader in powder coatings, and one by Sika, the global manufacturer of specialty products for construction, on structural sealant glazing and insulating glass in SSG applications. Finally, Interpane, one of Europe's leading glass processors, will speak about the glazing challenges in high rise buildings.

0121 7671344
www.hueck.com

enq. 120

INSPIRATION BY DESIGN



Inspiration by Design has been launched by **Trespa**, the manufacturer and supplier of high performance panels for exterior cladding and decorative facades. The new seminar examines how building physics such as heat and moisture transfer, thermal bridging and heat conductivity can impact on traditional construction methods. It explores how more energy efficient and sustainable buildings can be created through the use of ventilated rainscreen cladding on a physical and visual level.

0808 2340268
info.uk@trespa.com

enq. 118

GRP ROOFING SYSTEMS AND HOW THEY DIFFER CPD SEMINAR



Hambleside Danelaw, the Green Apple Award winning UK manufacturer, offers a RIBA approved CPD seminar analysing Glass Reinforced Polyester (GRP) and its uses in flat roofing. The core curriculum seminar covers the invention, history and development of GRP, the basic process of manufacture and applications as a roofing material. The seminar goes on to compare this to typical 'wet-lay' GRP roofing systems, looking at the differences in the installation processes.

023 9235 4900
cpd.seminars@hambleside-danelaw.co.uk

enq. 121

EFFECTIVE DESIGN OF SINGLE PLY ROOF SYSTEMS



Sika-Trocal is pleased to announce the new RIBA-approved CPD entitled *Effective Design of Single Ply Roof Systems*.

This CPD presentation aims to assist both specifiers and architects when designing and selecting single ply roofing solutions.

The CPD covers the following topics: Design Considerations – choosing a single ply system and designing to the best practice; Quality Suppliers – getting support and services from single ply manufacturers; Guarantees – possible flexibility and options; Industry and Legislation – information on meeting the correct and relevant standards; Sectors and Build types – the considerations and different methods available; History and Group information – a helpful insight into both Sika-Trocal and the Sika Group.

Sika-Trocal has provided single-ply roofing solutions to specifiers, clients and main-contractors in the UK for over 40 years. Sika-Trocal specialise in single ply roofing solutions that are designed to be installed as quickly and efficiently as possible, ensuring a cost-effective solution every time.

If you are looking for assistance when designing and selecting single ply roofing solutions and require further information on this seminar, please contact Sika-Trocal directly either via phone or email, or visit the company's website.

01707 394444
www.sikatrocal.co.uk

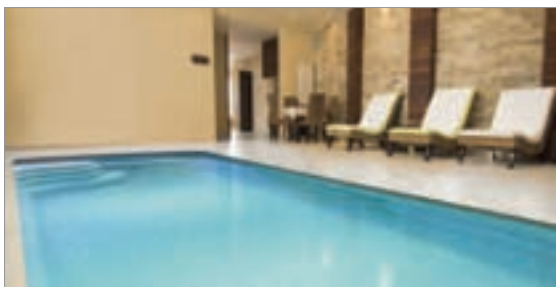
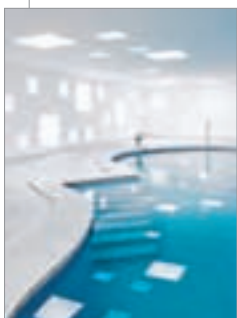
enq. 122

editor's focus

VELUX

Whatever the project or scale, VELUX's diverse and pioneering products mean that there is no limit to creativity when it comes to bringing light to life. From sun tunnels and skylights to home automation and roof windows, the brand's range of stylish solutions can transform any space and maximise its potential for natural light. The range's flexibility means that the products can work across a multitude of projects, both domestic and commercial. In its 70 year history as market leader, VELUX has never stopped innovating to offer stunning products that allow your projects to create real impact.

enq. 123



Bakewell Pools

Bakewell Pools is a family run business established in 1976 specialising in the supply of high quality one-piece fibreglass swimming pools. A fibreglass solution is particularly attractive for indoor use as it is substantially quicker to install than a classic concrete/liner pool and is far more cost effective. There is a huge range of shapes, sizes and colours available with the option to insulate the shell during production conforming to Part L of building regulations. For a totally unique and bespoke option Bakewell's pools could be mosaic tiled on-site.

enq. 127

Acoustic GRG

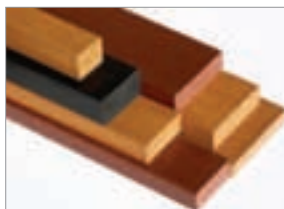
Acoustic GRG is a specialist UK manufacturer of acoustic products for architectural use, including slatted and perforated acoustic timber, fabric wrapped panels and bespoke designs. Based in Folkestone, UK, Acoustic GRG is exclusive manufacturers of the RPG Diffusor Systems range for the UK & Europe. It is also an exclusive reseller and installer of BASWA acoustic plaster and Clipso stretch ceilings and walls. Recent projects include Winchester College, Church Studios, UCL and the Shard. Acoustic GRG offer support to architects and designers to get the best use from their products, allowing them to specify RPG with confidence.

enq. 124

Oakhill Homes

Choose the team of expert timber framers to ensure a professional and efficient service. The company specialise in self-build – including bespoke and architect led designs. With over 30 years of experience, working across the UK, its expertise includes installing Closed Panel Systems. The company's solution focused approach is underpinned by knowledge of all aspects of house building, enabling the team to identify and manage issues promptly. Oakhill Homes provide a single price for full erection of the timber frame superstructure to wind and water tight condition.

enq. 125



Kedel Limited

A 5-year-old family business, Kedel Limited, is celebrating the triumph of its versatile plastic wood product at the National Recycling Awards held on 1 July 2015 at the London Hilton, Park Lane. Made from recycled CD cases, Kedel's synthetic wood has the same weight and density as some South American hard woods and can be worked with normal woodworking tools. The ideal alternative to traditional building materials for cladding, tongue and groove, fascia boards, fencing, back gates, bin cupboards – can be manufactured in any RAL colour.

enq. 126

Essex Oak Frame Ltd

Essex Oak Frame Ltd specialises in the design, manufacture and construction of oak framed houses and other bespoke structures on a full build, part build, supply and installation of oak frame or supply only basis. It offers a full in-house design and structural engineering facility. Its timber is sourced from various sources in the United Kingdom, either from managed woodlands or large scale motorway clearance projects. The company also directly imports timber in the round from Europe from sustained managed sources.

enq. 128

Major investment for Vicaima in UK



Following a sustained period of growth in the UK market for performance timber doors and doorsets, the Vicaima Group has announced a multi-million pound investment and expansion of their British operation. South West based **Vicaima Limited**, will see its current leased site purchased outright and with plans to refurbish and develop the facility to enable further growth. The company products are widely specified, as it has solutions for both new build and refurbishment requirements in many different market applications. Vicaima doors can often be seen everywhere from luxury apartments to 5 star hotels and from commercial premises to public buildings. Vicaima Group Chairman, Arlindo Costa Leite said: "This is an historic day for the Vicaima organisation, marking as it does the groups continued expansion globally and in particular strengthening our position within the quality design and performance end of the UK market". UK Managing Director, Barry Waddell is also excited by this latest announcement: "We have seen a major surge in the popularity of interior doors and associated joinery that demonstrates exemplary performance and design flair, something that Vicaima is well known for. This investment will enable us to increase both our range flexibility and explore new markets for Vicaima products".

01793 532333 www.vicaima.com

enq.129

Irish centre is Schueco double award winner



Dun Laoghaire Lexicon Library and Cultural Centre, Dublin, has won both the Overall Excellence Award and the Sustainability Award in the 2015 Schueco Excellence Awards. Organised by **Schueco UK** in conjunction with RIBA Journal, these awards aim to recognise the very best in the design and installation of Schueco systems. The centre makes extensive use of Schueco systems. It includes

FW 50+ SG structural glazing and a variety of Schueco AWS windows including AWS 70.HI motorised inward-opening vents. Steel sections utilise the Schueco Jansen VISS facade system. The winning €29.5 million building was described by the judging panel as a "beautifully made, beautifully crafted building."

01908 282111 www.schueco.co.uk

enq.130

Tom Lowry joins Gerflor



Tom Lowry is **Gerflor's** latest recruit to its newly formed contract specification sales team, which is dedicated to expanding the global flooring manufacturer's UK business through the management of specification projects across the diverse contract markets Gerflor serves including sport, education, healthcare and housing. In the new position of Technical Specification

Manager – London, Tom will work in an advisory capacity with the architectural, specification and design communities to provide an initial point of contact for the technical aspects involved with matching the right product to their bespoke needs. His experience in maintaining and building new business relationships in the specification sector were key factors in securing him the position.

01926 622 600 www.gerflor.co.uk

enq.131

Vent-Axia announces new Managing Director



Vent-Axia is delighted to announce that Mark Hoskins has been promoted to Managing Director of Volution Group plc's UK Ventilation Division. Previously Mark's position was as the Volution Ventilation Group's UK Sales Director. In his new role Mark is responsible for the groups' UK ventilation companies, including the Vent-Axia business.

"Mark has already made a significant impact since joining the company last year and we are delighted to announce his promotion to Managing Director of our UK Ventilation Group," says Ronnie George, CEO of Volution Group plc. "Mark has proven himself an inspirational leader who is customer focused and results driven, achieving business success through teamwork and collaboration."

0844 856 0590 www.vent-axia.com

enq.132

EPIC appoints new General Secretary



Engineered Panels in Construction (EPIC) is pleased to announce the appointment of its new General Secretary, Martin Hardwick (pictured left). Martin has been a member of the construction industry for over 25 years and possesses extensive experience, both with leading construction materials supply companies and trade associations. He is

an advocate of sustainable practice, and has played a fundamental role in the development and deployment of industry metrics, targets and regulatory documents including sustainability Standards, BES 6001 and BS 8902. Martin's appointment follows the retirement of longstanding director, Peter Trew (pictured right).

020 8786 3619 www.epic.uk.com

enq.133

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Timbmet builds for the future



The **Timbmet Group** has had a second consecutive year of improving both its gross and net profitability and stabilising revenues. To build on the secure business platform now in place, it is planning for further growth. UK Managing Director, Nigel Cox (pictured) reports: "The underlying trend for the UK business was an increase of 7.1 per cent, with our overseas business showing a strong growth of 31.1 per cent. Overall, group sales fell by 1.0 per cent, but this includes the discontinuation of low margin direct business to a major DIY chain. As a result, the gross profit percentage increased by 1.7 percentage points. Our intention now is to invest further by enhancing our stock range and increasing the number of front line sales staff so that customers get the advice and support that they need."

01865 862223 www.timbmet.com

enq.134

VEKA UK Group scoops top business award



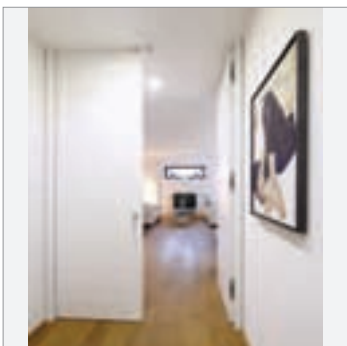
As a major Burnley employer and the UK's largest manufacturer of PVC-U systems, The **VEKA UK Group**, has been recognised as 'Business of the Year' at the prestigious Burnley Business Awards. The VEKA UK Group's MD, Dave Jones, was on hand to collect the award and celebrated with a

number of delegates from the industry-leading firm: "We're absolutely thrilled to have been awarded this accolade for the second time running. It is a great feeling to be recognised by our home town for the hard work of our team, not just once but twice! We are extremely proud of Burnley and the fantastic businesses here."

01282 716611 www.vekauk.com

enq.135

SIMONSWERK at 100% Design



In September leading architectural Ironmongery manufacturer **SIMONSWERK** will again be exhibiting at the UK's largest design trade fair, 100% Design, which this year has moved to London's Olympia Exhibition Centre.

The SIMONSWERK stand, number E 670, located in the Design & Build section, will have a feature display of their award winning TECTUS® fully concealed hinge system. In the past year further innovative options have been added to the range and the series now covers load capacities from 40 to 300 kg with models for specific scopes of application including door fascias up to 8mm, rebated doors, recessed frame facings and power transfer. Also on display will be the stylish 25 year performance guaranteed TRITECH fire rated solid brass hinge with concealed bearings and new versions of the heavy duty VARIANT range with Finger Protection, 400kg and "Care" options – the latter specifically designed for public sector buildings to allow real clearance widths for doors to open to 90° to satisfy the most stringent requirements in Hospitals and Health Care Facilities.

0121 5222 848 www.simonswerk.co.uk

enq.136



A.Proctor Group is family business of the year

Following a great evening at The May Fair Hotel in London, **A.Proctor Group** were revealed as winners of the 2015 Scottish Family Business of the Year Award. Innovation has run through the Proctor family for as long as they can remember, and is now run by the fourth generation of the Proctor family. Keira Proctor, managing director of Proctor Group was delighted with the win adding: "We are delighted to have been nominated and win this prestigious Family Business of the Year award." Paul Andrews, founder and managing director of the Awards added: "The Proctor Group demonstrate an incredible balance between the old and the new, aware of their heritage but also prepared to move forward to keep pace with the sectors in which they operate." In addition to winning the Scottish Family Business of the Year title, the company also took home the title of 2015 Manufacturing Family Business of the Year.

01250 872261 www.proctorgroup.com

enq.137

Value of perforated metal building sunshields



RMIG, a world leading perforated materials specialist, has launched a new, free white paper looking at the benefits and beauty of perforated metal sunshields on buildings. The paper provides a background to the relationship between purpose and design when installing a building

facade, focussing on heat retention, light deflection and materials used. The paper provides an overview of how the installation of perforated metal sunshields can play a significant role in reducing energy costs and environmental footprint, while still maintaining a unique design presence on the architectural landscape. The white paper is available for download for free from the RMIG website.

01925 839 600 www.rmig.com

enq.138

A strong sense of tradition for Wellington Mills



Signbox has just completed a small but complex wayfinding project at the popular Wellington Mills housing co-operative in London, SE1. Signbox competitively tendered the signage project as part of a general improvements scheme underway at Wellington Mills. The company's bid involved the design, manufacture and install of a bespoke

wayfinding solution to create an easier means of navigating the estates buildings and surrounding spaces. All the signs were fabricated by Signbox at its Egham workshops, constructed from powder coated aluminium to Pantone matched colours and finished with matt laminated external grade vinyl graphics.

01784 438688 www.signbox.co.uk

enq.139

Grimshaw benefits from Union Square for AEC Professionals



Grimshaw is an internationally renowned

architectural practice with offices in London, Melbourne, Sydney and New York. Employing 350 people worldwide, the company has an

extensive portfolio of prestigious schemes including the Eden Project, Zurich Airport and Southern Cross Station in Melbourne. Grimshaw offers architecture, planning and industrial design services.

An increase in workload brought about an explosion in the growth of project information, presenting a host of issues associated with information management and collaboration. Duplicated and disparate data spread across multiple systems, high maintenance costs for existing databases and difficulty sharing

information across offices on four continents were all affecting the practice's competitiveness.

The search was for an industry standard, web-based and customisable system that would serve as both an intranet and extranet, which led Grimshaw to Union Square for AEC Professionals.

Union Square offers an integrated approach to the management of documents, projects, contacts and enquiries. Designed specifically for AEC professionals, the system provides transparency of practice operations and improves management control across all activities. Amongst the cross functional team appointed to select the new system there was a unanimous decision that Union Square was the best option for Grimshaw. Once the core system was up and running Grimshaw focused on other areas where Union Square could address inefficiencies. A major benefit has been the issuing of drawings and controlled documents.

This has led to improved efficiency on every



project and means that transmittal notes and drawing registers can be created automatically, establishing a standard workflow process for this key activity. Grimshaw introduced the email vault, as well as the timesheets and leave management function which linked to the practice's finance system.

The key benefits Grimshaw has realised since implementing Union Square have been: saved time; saved money; improved accuracy; enabled compliance and centralised core business functions.

enquiries@unionsquaresoftware.com
unionsquaresoftware.com

enq.140

Mapei unveils its exclusive London showroom – Mapei World London City



Mapei, the world's leading manufacturer of adhesive and chemical products for the construction industry is pleased to announce the opening of its UK Showroom based in the architectural design area – Great Sutton Street, Clerkenwell, London.

The impressive Showroom, designed by Marco Manzoni from Mapei SpA, was unveiled to key customers on 2 July and was officially opened by Adriana Spazzoli, Operational Marketing &

Communications Director and Veronica Squinzi Global Development Director, together with the Mapei UK Joint Managing Director's Phil Breakspear and Mark Louch. To celebrate the opening the Italian Ambassador Pasquale Terracciano came to show support and Guest Speaker Lord Digby Jones of Birmingham Kt, was invited to provide insight into the future of the British and European Economy.

The showroom is a first for the Mapei Group and demonstrates the relationship between Manufacturer and Architect, from technical expertise and innovation, to providing bespoke project solutions in the UK and internationally.

Each of the 15 product lines is displayed in the Showroom through a series of textured samples and prestigious project references, accompanied by installation videos and supporting literature;

offering Architects, contractors and designers alike a comprehensive guide for specifying Mapei products. Mapei's Specification and Technical Teams are on hand throughout the year together with the training team, to provide practical and theory based guidance on the selection, installation and maintenance of Mapei products – through a calendar of dedicated CPD presentations. The technical CPD presentations cover a range of topics such as; Fast Track Screeds, Avoiding Ceramic Tiling Failures, Sub Floor Preparation and Successful waterproofing and many more.

The Showroom has been fitted out using a range of Mapei products; in particular the floor and walls have been finished with Ultratop Loft – a new highly decorative, unique wall and floor coating, suitable for residential, commercial and industrial applications. The CPD presentation room has been fitted with pre-finished wood flooring adhered with Ultrabond Eco S955 1K.

The Showroom promises to be a centre of excellence for Mapei, providing hands-on, practical and informative support throughout the entire specification process.

0121 508 6970 email info@mapei.co.uk

enq.141

SE Controls stages a safe performance at Buxton Opera House



A new high duty smoke ventilation extraction system from SE Controls has been installed at Buxton Opera House as a key part of fire safety system upgrades at the theatre to meet current fire regulations and improve safety for the audience, cast and musicians. Although a number of alternative solutions were considered within the risk assessment, some of which involved using the existing haystack lantern light over the stage, the decision to adopt the mechanical smoke ventilation system from SE Controls ensured that the required smoke extraction rates could be readily achieved without major modifications to the historic building. The SE Controls' system involved the installation and commissioning of a high capacity 1,000mm diameter duplex fan set, for duty and stand-by operation, together with an automatic roof louvre, fan system ductwork and a dedicated control panel including all the necessary fire rated cabling. In the event of a fire, the theatre's fire and smoke detection system automatically signals the opening of the roof mounted louvre and the operation of the high capacity mechanical smoke ventilation system, which is capable of extracting 8 m³/sec. Due to the building's Grade II status, the design, location and installation of the system had to be handled sensitively by SE Controls to ensure the interior and external impact was minimised.

enq.142

Derbigum offers roofing solution for historic refurbishment

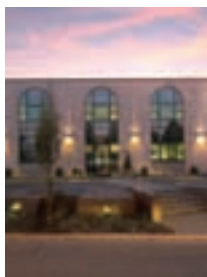
Alumasc's Derbigum Roofing System has been used at Hampton Court and Richmond Court – two historic five-storey apartment blocks, which have undergone a £2.9 million refurbishment for Birmingham City Council as part of the Constructing West Midlands framework. Derbigum was the preferred system for the project as it had been used successfully by the client's architect Acivico in previous installations and offers a unique 25 year single-point warranty covering both the waterproofing system and associated Alumasc products. A total of 800m² of Derbigum Mineral in charcoal was installed to the roofs of both buildings by Alumasc's Registered Contractor Brindley Asphalt Ltd. This included the use of a vapour control layer and full polyurethane insulation scheme, also supplied by Alumasc. To minimise the appearance to the external facade, the Derbigum roofing system was dressed to encapsulate the perimeter parapet and Alumasc's Skyline polyester powder coated aluminium coping system was installed. Speaking about the installation, Charlie Purchasehouse, director at Brindley Asphalt, said: "An integral part of the new waterproofing system was the client's requirement to increase the falls present on the main and lift motor room roofs, which resulted in the design and specification of a fully tapered Derbifoam insulation scheme. This has further benefitted residents due to the resulting increase in 'U' values."



enq.143

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more than light

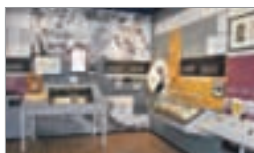


Lighting catalogue with style shots available on request

0208 123 7914 modernlightingsolutions.co.uk

enq.144

Abloy exhibits high security



Security expert Abloy UK has supplied the Dylan Thomas Centre in Swansea with all of the display case locks for its new exhibition 'Love the Words', which opened on the centenary of Thomas' birth. The installation was undertaken by Neners Master Locksmiths,

Abloy's local authorised dealer in Swansea. In addition, further locks were supplied to Swansea City Council who utilised cabinets manufactured by Click Netherfield to complete the project. Roy Buckingham, specification and development manager for Abloy UK, said "Both Sentry and Protec systems were required to provide a high security solution, and key control was of paramount importance so only authorised keys could be produced."

enq.145

Are you working on any interesting projects?



Wiehag's 'Tree Tower' © Wiehag
See page 4

We are continually looking to source unique, newsworthy content for both the Architects Datafile magazine and website

If you have any projects that you feel would be applicable then please send them to editorial@netmagmedia.eu

If you are not already registered to receive your free copy of Architects datafile you can register online

www.architectsdatafile.co.uk



'The creative adaptation of this major UK museum presents a wonderful opportunity to reorder the building'

BDP director Tim Leach

Seeking a radical transformation in Chelsea

Located prominently on the Royal Hospital Road in Chelsea, the National Army Museum is undergoing a major redevelopment led by Building Design Partnership (BDP), which seeks to radically transform the visitor experience. Steve Menary reports

The museum was established by Royal Charter in 1960 and moved to its current site in 1971. The site is only a 10 minute walk from Sloane Square and currently attracts around 270,000 visitors a year. BDP has drawn up a design that aims to transform the museum. "The creative adaptation of this major UK museum presents a wonderful opportunity to reorder the building, re-present the collections and communicate to a wider audience the significance of the Army Story," says BDP director Tim Leach.

The exterior of the existing building was closed in character and failed to provide a welcoming first impression to the visiting public. Inside, the building was cramped and

congested, and struggled to meet the demands of the museum's growing audiences.

The practice's designs have built on an outline masterplan drawn up by Event Communications, the exhibition designers who are currently reworking the museum displays. This masterplan was used to make the round one application to the Heritage Lottery Fund (HLF) to help bankroll the £23 million project in 2011. Last year, following a successful round two application, the HLF agreed to put £11.5 million towards the redevelopment.

The challenge for BDP has been to develop a design that provides a dramatic enhancement of the museum experience

Continued overleaf...

project bytes

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 Award on eve of its
 public opening...
Ref: 69490

Curtain rises on
 Grand Theatre
 refurbishment...
Ref: 56870



for visitors, but is also sympathetic to the local context, in both character and scale of development.

Created from designs drawn up in the 1960s by William Holford & Partners, the existing building is designed in a brutalist style that is at odds with the neighbouring Royal Hospital Chelsea, home to the Chelsea pensioners. The Grade II listed Soane Stables, designed by Sir John Soane, form the eastern boundary to the museum site.

On the opposite side is St Wilfrid's care home, a 1970s building that makes reference to Holford's design through the use of a similarly pink hued brick. The National Army Museum has been previously extended in 1978-83 by Carl Fisher and Partners. The structure of the first phase of this purpose-built museum building was carefully designed by Holford to allow for ease of future expansion. When BDP began working on the design, a number of sketch proposals were considered that explored the introduction of a new architectural language that differed from both the existing brutalist museum building and the listed Soane Stables. The final scheme seeks to refresh and modernise the existing

facades, but takes a conservation-led approach in doing so. This approach then extends to the appearance and detailing of the new side extension.

"The client was keen to find a way to soften the brutalist language of the existing building, without introducing a further architectural language that was very different to the stables and the wider historic context. They wanted a more sensitive approach to the character of the existing building and the local surroundings," explains BDP's project architect Verity Rowsell.

The brutalist museum was not welcoming in part because the main entrance was located to one side of the museum and set back over 30m from the street. The facade was also constructed with a concrete trellis in front of the glazing that acted as a simple baffling technique to limit the amount of light that damage that sunlight can inflict on some of the museum artefacts, in particular uniforms, there was little natural light in the old museum apart from two roof-lights to the main atrium.

All of this combined to provide a disorientating experience



'The entire collection of artefacts will return to Chelsea next year and when the new museum opens, the target is to raise visitor levels to more than 400,000 people a year'

Sketch of North
West elevation

For a specification of the Materials Key please visit www.architectsdatafile.co.uk and enter reference number 35497

for visitors and a radical transformation was needed.

"It was quite a dark museum," says BDP's project engineer Steve Edge. "There was no atrium as such. There was a ground floor cafe immediately at the entrance and the circulation started from there."

BDP is working as a multi-disciplinary consultant on the project, including providing structural engineering advice. "There has been quite a dramatic structural intervention to realise the design," adds Ms Rowsell.

BDP's design team came up with a solution focussing on improving accessibility to both the building and the collections.

"The building wasn't conducive to a positive visitor experience and some visitors said they couldn't even find the entrance," says Ms Rowsell. "We have opened up the front of the facade at street level and there will now be large amounts of glazing, one and half storeys high, and a new main entrance and large foyer directly off the street. We have also organised it so that public facilities, such as the new cafe, are conveniently located on the ground floor and flooded with natural light."

Alongside opening up the facade and the creation of that, the three key areas that had to be addressed were opening up the front of the building with glazing, creating a new level entrance, BDP's scheme introduces a new central atrium that runs from the front to the rear of the building. The atrium is staggered across floors to create a dynamic space that opens up vistas into and through the depth of the building.

As part of their approach, BDP carried out light sensitivity studies to assess how natural light could be introduced, while also ensuring that the light sensitive artefacts are not over-exposed.

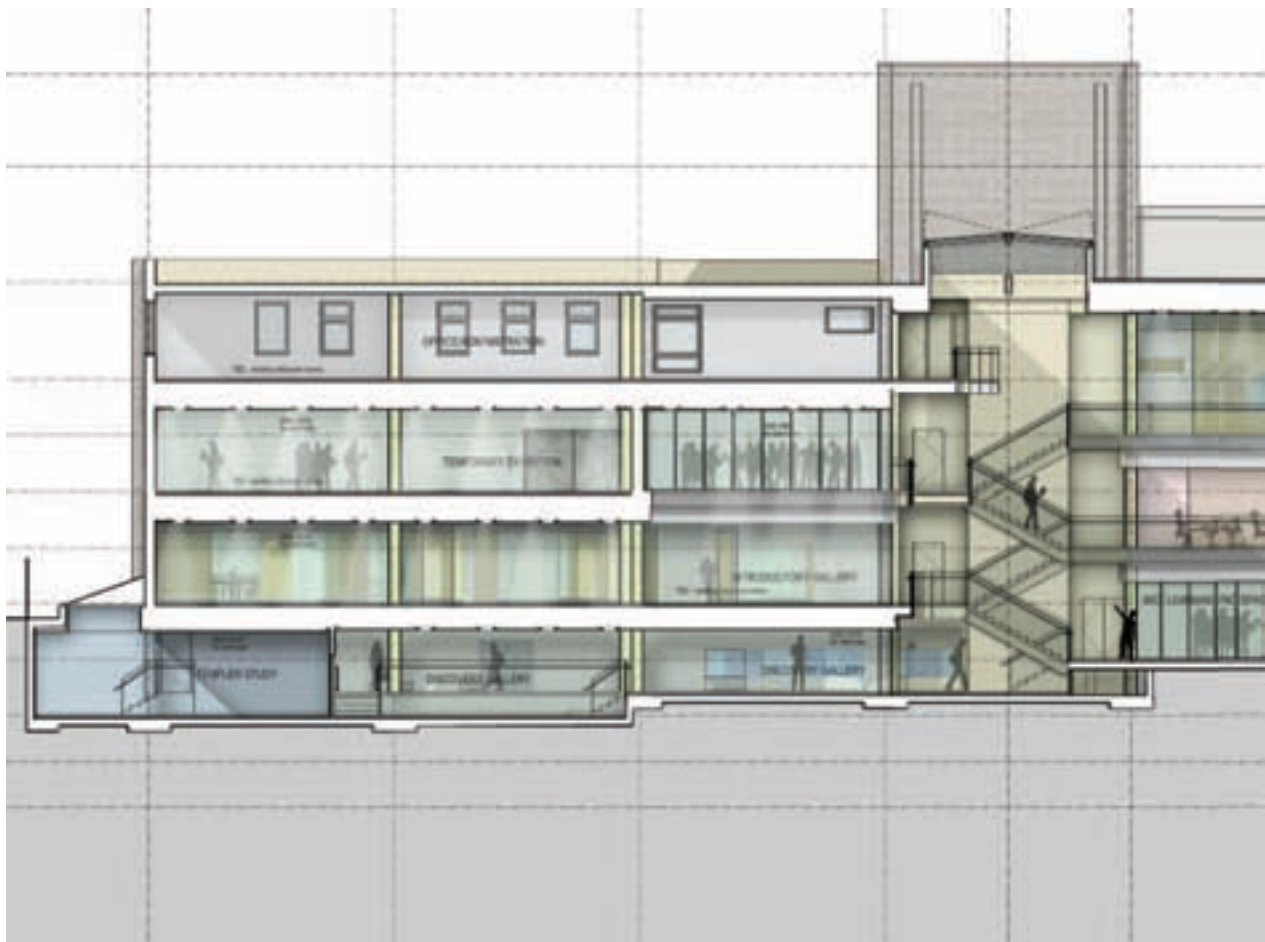
The existing building occupies 9,500 sq m of space and a further 500 sq m will be provided by the new two-storey extension. The new project will deliver seven separate galleries. There will be 2,200 sq m of exhibition space across six permanent galleries plus a new 500 sq m temporary exhibition area.

The visitor experience will begin with an introductory area, and then lead into the Soldier Gallery, the Army Gallery and the Society Gallery, which will include a corner window

Continued overleaf...

*'I am confident
that we will
produce a
world-class
museum
development'*

Janice Murray, director general
of the National Army Museum



allowing visitors to connect the gallery content with the views across military Chelsea.

Other permanent exhibition spaces will be the Discovery Gallery at Lower Ground floor and the Battle Gallery, which also includes a smaller corner window to help provide some orientation for visitors.

The public areas of the building are arranged across the lower ground, ground and first floor. Each floor of the existing building is divided into two half storeys, all of which will be served by a pair of new through-lifts ensuring inclusive access for all.

The old central core was a complicated series of stairs and ramps. "There was absolutely no sense of the outside," adds Ms Rowsell. "At the top there were some roof lights but the rest of the light was artificial."

BDP has replaced these roof lights while completely opening up the centre of the museum space.

As a result, the museum is hoping this new space will dramatically improve circulation and orientation, while also

providing a flexible series of spaces to support a host of public and corporate hire events. In addition, a series of dedicated learning spaces that front the base of the atrium at Lower Ground floor will support a growing programme of educational activities.

Ms Rowsell says: "There will be more dedicated facilities for schools and learning groups, which the old museum never had. The educational programme at the museum is already very successful and continues to grow."

Externally, BDP specified a handmade grey brick with a pinkish hue, which is a careful match for the existing brickwork. The exterior of the building also features insulated render to help improve the thermal performance of the redeveloped building. Glazing framing will be articulated by pale gold cover caps and a new public forecourt will be created, paved in natural Yorkstone.

The construction work on the £23 million project is being carried out by the British division of Northern Irish firm Gilbert Ash.



For a specification of the Materials Key please visit www.architectsdatafile.co.uk and enter reference number 31066

Working on a tight site that means just-in-time deliveries are essential, Gilbert Ash has gutted the entire building.

Gilbert Ash will also refit all of the mechanical and electrical work, as part of a shell and core build that is expected to cost around £11 million. The fit-out part of the project has been awarded as a separate package that is valued at around £5 million and that work is due to start in July next year.

In the interim period, many of the museum's artefacts have been placed into storage in Stevenage, and some have been loaned elsewhere. The museum is also delivering a diverse outreach programme of travelling exhibitions, along with informal and formal learning sessions, which all supported last year's commemorations and the bicentenary of the Battle of Waterloo.

The entire collection of artefacts will return to Chelsea next year and when the new museum opens, the target is to raise visitor levels to more than 400,000 people a year.

Janice Murray, the director general of the National Army Museum, says: "I am confident that we will produce a

world-class museum development, which will deliver a fresh, informative and exciting visitor experience for all."

With a design that aims to actually entice in visitors rather than leave them disorientated, BDP and Gilbert Ash are also equally confident of delivering that experience.

Project details

Project: National Army Museum

Location: Chelsea, west London

Value: £23 million

Client: National Army Museum

Architect: BDP

Structural engineer: BDP

Project manager: Focus

Cost consultant: Focus

Exhibition designers: Event Communications

Main contractor: Gilbert Ash

Award-winning Knowledge Centre combines sustainability with striking design

This striking building, which was opened this year in the centre of the Flemish city of Roeselare and features several bespoke Reynaers' systems, has already won a host of awards.

The Knowledge Centre Arhus – meaning 'open house' – is a public information forum and meeting place. It houses the city's library and archive, as well as teaching facilities and meeting rooms, offices and social spaces.

Designed by architects BURO Il & ARCH+I, the building makes extensive use of Reynaers' CW 50 curtain wall system, in both its standard form and with complex bespoke solutions, in order to accommodate the extensive use of glass on the project. The facade incorporates hundreds of diagonal sections as a stylish feature of the building's design.

Three different types of glass make up the facade with clear and green glass and a third white glass panel positioned approximately 12cm further forward. This gives a sense of greater depth to the curtain wall, which covers an area of 2,700m².

Head of Marketing at Reynaers Hugh Moss said: "The Knowledge Centre has won a number of awards, including the Benelux Aluminium Award, for its exceptionally sustainable renovation, and the Joinery Award, thanks to excellent execution and exceptional technical challenges.

"We're very proud that both our products and technical team have helped to contribute to this award-winning building."

The facade's complexity meant that the fabricators on the project – De Witte Aluminiumconstructies NV – worked in collaboration with Reynaers on the development



of bespoke solutions to achieve the desired effect. These included T-shaped face caps for the enamelled white glass, special mounting brackets and flat face caps for the CW 50 transoms.

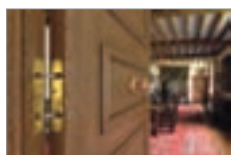
As the facade featured several complex junctions, critical for effectively draining water, the fabricators produced a mock-up of part of the curtain wall on the building, in which all of the diagonal details and glass types were included.

Reynaers high insulation doors and windows CS 86-HI and CS 86-HI/HV were also included on the project, to complement the building's external envelope, along with sliding systems CP 155.

0121 421 1999 www.reynaers.co.uk

enq.146

Door closers help retain heritage



Samuel Heath's Powermatic controlled, concealed door closers are perfect for use in heritage and historic buildings where modern fire safety and convenience features need to be introduced, but where the retention of important, often historically significant, features and finishes is vital. Meeting

all relevant fire and accessibility requirements, Powermatic door closers deliver many advantages over surface-mounted door closers and floor springs. When it comes to aesthetics, Powermatic door closers are the preferred choice for many designers and specifiers, offering significant benefits over the unsightly mechanical boxes and control arms that are a feature of surface-mounted door closers.

0121 766 4200 www.concealeddoorclosers.com

enq.147

GEZE UK provides 'secret weapon' for Centre



With 80,000 visitors expected in the first year alone, architect Reiach & Hall specified two automatic doors from GEZE UK to create a stylish lobby that would meet the highest standards of safety and complement the building's bold glass and brick design for the National Trust for Scotland's new Battle of Bannockburn Visitor Centre. Bannockburn Visitor Centre, which offers an immersive 3D digital experience that transports visitors back in time, is entered through a

wedge-shaped lobby featuring two GEZE ISO automatic sliding doors powered by Slimdrive SL operators. The Slimdrive SL operator is almost invisible in elevation thanks to its extremely slim design and a drive unit height of just 7cm.

01543 443000 www.geze.co.uk

enq.148

Electric powered heating for Art Nouveau gem



Atlantic Boilers of Lancashire has supplied its new CER electric boiler at The House for an Art Lover Glasgow. The property is owned by a charitable company "whose primary purpose is the stimulation of public interest in Art, Design & Architecture". It was built in Bellahouston Park, Glasgow between

1989 and 1996 and was based on a design of 1901 by Charles Rennie McIntosh and his wife, Margaret McDonald. To provide space heating for the studio building, CER 1-12kW modulating electric boiler was chosen to input the heat. The boiler is ultra-efficient (99.5 per cent GCV), provides precise heat input and is whisper-silent in operation.

0161 621 5960 www.atlanticboilers.com

enq.149

nora flooring installed in the Science Museum

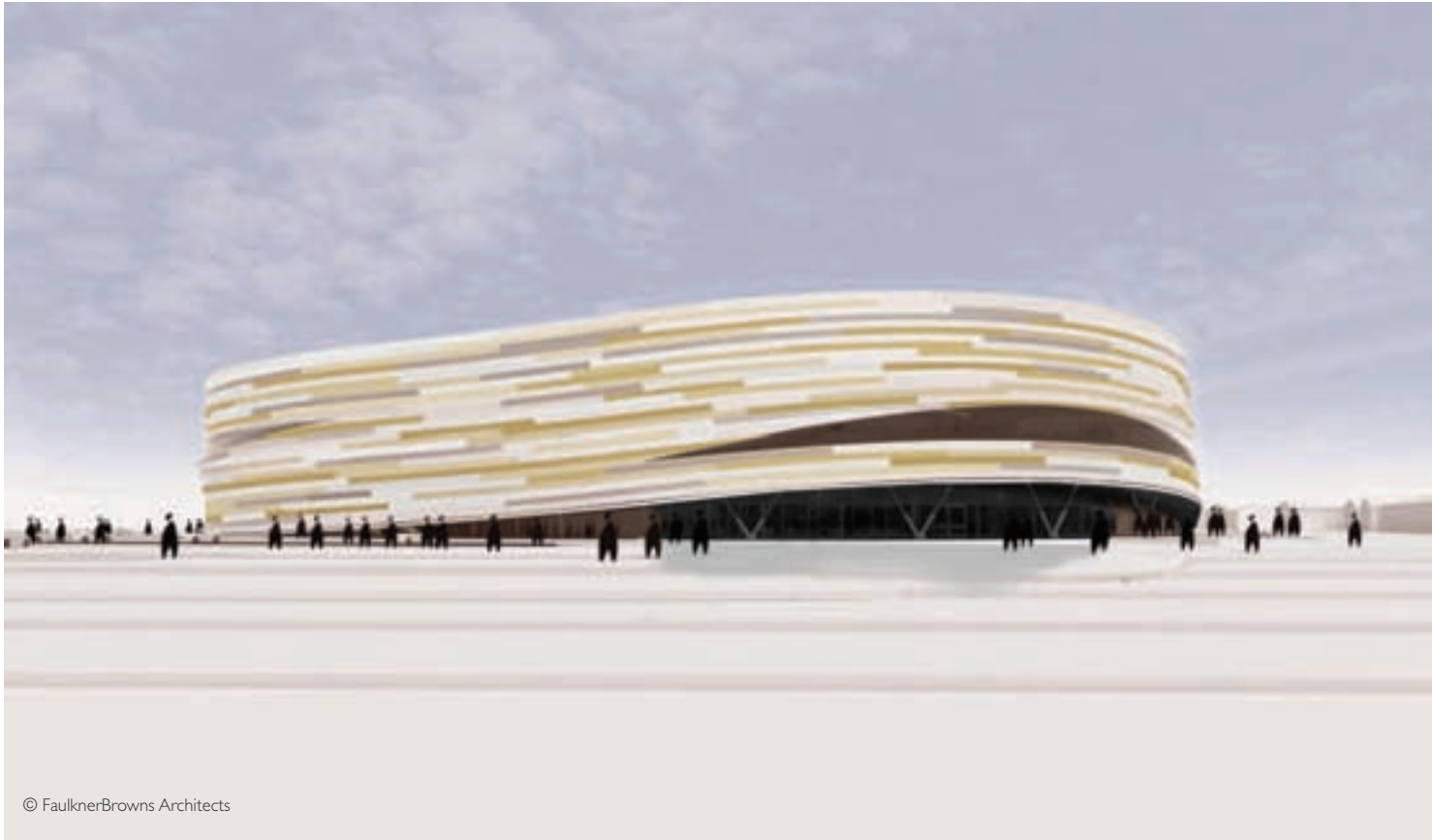


A new exhibition, known as Information Age, was recently opened at the Science Museum by her Majesty Queen Elizabeth II. To meet the criteria set by the client, 2,800 sq m of noraplan uni 3mm thickness rubber flooring from nora systems was chosen for its extreme durability and resilience in high traffic areas.

Guaranteed colour consistency, to ensure a uniform colour throughout, and softness under foot with noise reduction properties also contributed greatly to this large open space with high ceilings. Installed using the nora system blue levelling compounds and adhesive products, this floor provides excellent environmental credentials, meeting Blue Angel standard.

01788 513 160 www.nora.com/uk

enq.150



An arena with a difference

An impressive multi-purpose sporting venue in Derby leaves its regional rivals standing because it has something they don't – an indoor cycle racing track. Ray Philpott reports

There's something mesmerising about Derby Arena. With its skin of gently curving, multi-coloured metal cladding and large eye-like window glazing, it's a striking building from any angle.

Sitting in the city's Pride Park mixed-use commercial area, bordered by the Derby County football ground and a nature reserve, it seems to have arrived from a different world. Indeed, with its curved undersides uplit at night, from certain angles it almost appears to be hovering above the ground.

Its interesting and dynamic shape owes much to the fact that it contains a 250 metre, heavily banked indoor cycle-racing track with 1,500 spectator seats – the only velodrome in the Midlands.

This cleverly designed, four-storey arena by FaulknerBrowns Architects, also boasts an impressive range of facilities in addition to the cycle track. These include:

- a large reception foyer with a cafe-restaurant at the entrance
- a series of studios and fitness suites on two floors
- general purpose rooms that can also act as hospitality suites
- multi-use of the 'infield' area on the ground floor for sports activities and events, which can also provide for up to 2,500 seats or 3,500 standing.

In conventional velodromes the infield – the area in the middle of the track – is generally unutilised space when it's not being used by people taking part in cycling events.

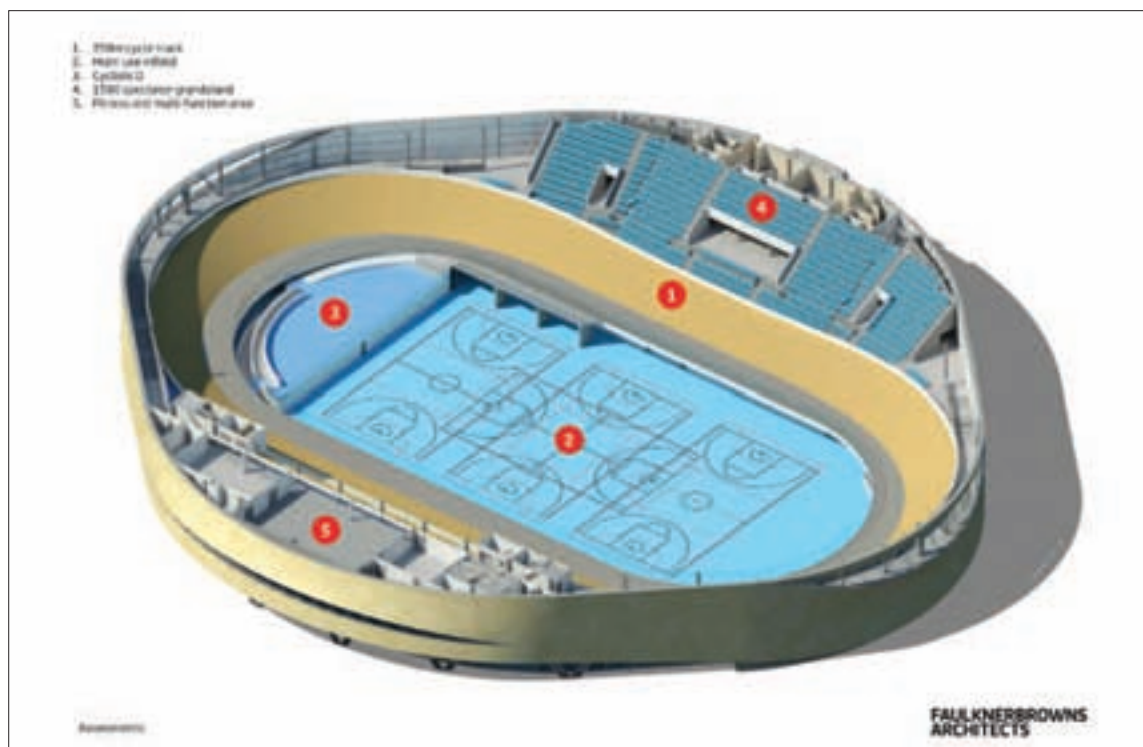
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 Ref: 51514



FaulknerBrowns' big, innovative idea was to lift the cycle track to the first floor level, allowing full unimpeded access to the infield from the ground floor and entrance, thus opening up this huge area of space to easy access and flexible use.

Original vision

Originally though, the velodrome concept was not part of the original vision for the project, as FaulknerBrowns' Director Nigel Tye explains.

"In 2011 we were asked to carry out a feasibility study by Derby City Council to inform their £50 million leisure strategy. As initially envisaged, this consisted of a 'wet aquatics hub', satellite pools and a 'dry' sports hub for activities like badminton, netball, volleyball and basketball.

"As the study evolved, we demonstrated how it might be possible, with clever design, to incorporate a cycle track cost-effectively into the dry hub, in addition to the planned facilities. The idea quickly moved from being an aspiration to a firm part of the concept as the council saw this as a major draw for Derby. There's a lot of rivalry between the region's cities and this was seen as a key attraction others did not have."

Tye adds: "Additionally, once you include a large track with seating in the design you effectively create an arena. So the

project evolved from providing a quality sports facility to an arena concept that could be used not only for sports competition, but also commercial entertainment and public events.

"Another key part of the design concept was the idea that, as you walk in through the foyer a clear view of the cycle track and the massive arena space opens-up in front of you, creating a real 'wow factor'."

There was just one snag. All these great ideas needed to be achieved within the same, relatively modest, £27.5 million construction budget they had started with.

Shaping the vision

The shape of the symmetrical cycle track – which is about 65 metres wide and 100 metres long – naturally dictated the shape of the arena.

Tye says: "We needed to keep the building area and volume as tight as possible in order to stay on budget and keep operational costs down. We started with a square building with four curved corners, and kept bringing the corners in until we met the criteria."

The studios, gym and multi-function rooms sit opposite the track-side spectator area on the second and third story levels, with plant on the fourth storey. At one end of the track is the



'With its skin of gently curving, multi-coloured metal cladding and large eye-like window glazing, it's a striking building from any angle'

The imposing entrance to the arena

D-shaped cyclists' area, used for warm-ups, warm downs, team-talks and so on.

Access to the trackside seating is via a series of vomitories off a sweeping, open concourse that wraps around the track. The wide central vomitory has access to a bar directly underneath the seating, so people can enjoy a drink without losing the atmosphere.

Tye continues: "The track is supported on a 'doughnut-shaped' concrete table sitting on a series of steel beams. The roof is supported by a series of simple five metre-deep steel trusses.

"The external envelope should be thought of as a constant-

height ribbon, the bottom of which is curved up at two corners to accommodate the glazed entrance area and louvred service access. The cladding ebbs and flows around the building, gradually reaching the ground again at the side corners of the building."

Additional natural light is provided through a long 'downward-looking eye' of glazing to the fitness gym and to the infield area. On either end of the cycle track – are two more long, 'upward looking', sections of eye-shaped glazing placed nearer the top of the building and almost acting as roof lights.

The slashes of glazing certainly add to the building's distinctive character. "It creates some interesting spaces and lighting effects inside," says Tye,

He adds: "Externally we wanted to reflect the internal activities – which meant creating a sense of movement and echoing the form and linear nature of the cycle track surface. To achieve that, we used long, single-sheet aluminium shingle cladding in three colours – representing gold, silver and bronze – interlocked and fitted to an insulated plywood skin fixed to a structural deck.

"The panels, gently undulate up and down and have an anodised finish that gives the colours a lustre and depth, reflecting light and sunlight in different ways, depending on the weather and time of day. The curving form of the building and the colour separation helps to create an ever changing appearance and hues – the effects can be very dramatic."







'The shape of the symmetrical cycle track – which is about 65 metres wide and 100 metres long – naturally dictated the shape of the arena'

The roof, says Tye, is a simple arch with a crest running from front to back, and clad in an aluminium standing-seam system. The 21 metre-high building, completed earlier this year, can be seen from the River Derwent or the railway line and cannot be missed by anyone entering Pride Park.

Construction challenges

The architects extensively modelled the building in 3D. "This was really helpful in terms of co-ordinating the geometry – we were able to check things carefully," explains Tye. "Our architectural model plus the structural and services engineers' models were merged in a fully collaborative Building Information Management (BIM) process."

However, the building's geometry initially proved a challenge for the architects' modelling systems, but FaulknerBrowns worked with the providers to enhance the software coding to achieve the geometry.

There were logistical issues to overcome, too, because the site was a tight space to build on. When construction began in 2013, part of the workspace was on an adjacent car park leased by Derby County FC that had to be completely emptied and meticulously cleaned every match day.

Tye points out: "The project included significant enabling works before construction could start, to free up the footprint of the building. Even then, the main contractors, Bowmer and Kirkland, had a restricted working area, generally limited to the building footprint. However, an arena has a big central space to store materials, so once the frame was erected, they worked very effectively from inside-out, completing three months early."

"For us, a key challenge was to keep the building within the specified budget while meeting the client's key drivers and aspirations. For example, if that meant having to use less expensive but bulkier steel roof structure so we could spend more money on enhancing operational features, then that's something we had to consider. Getting that balance right was key for all involved and decisions were made on a 'best value' basis throughout."

Atmosphere and ambience

Heating, lighting and ventilation are important factors in the cost of running such a large building, and also impact on its sustainability. Artificial lighting throughout the building is largely LED while a diffused vent system uses natural heat stratification to deliver temperature control to the levels of within the arena.

Low-velocity air comes in at the infield level at around 17°C and takes on heat as it rises through the building, reaching 20°C at track level, a comfortable temperature for cyclists. It

**BUILDING
PROJECTS**

'It was no walk in the park, but I think it's fair to say we've delivered'

Nigel Tye, FaulknerBrowns
director

The spectator grandstand overlooking the cycle racing track seats 1,500



© Martine Hamilton Knight



© Martine Hamilton Knight

rises slightly by the time it reaches the spectator area where people obviously need to be a little warmer. These features have seen the building achieve a BREEAM Very Good rating.

A more subjective measure of the building's success is the public perception of its overall atmosphere and ambience. Tye says: "Cyclists tell us they like cycling here because they enjoy being part of an active space with the adjacent infield and fitness areas giving the arena a real sense of atmosphere and social inclusivity. We think that's a great endorsement of the design.

"Ultimately, our client's aspiration was for us to create an iconic, 'wow-factor' building that offers the maximum sporting output with as much flexibility as possible.

"It was no walk in the park, but I think it's fair to say we've delivered."

Project details

Client: Derby City Council

Project manager: Mace

Architect: FaulknerBrowns Architects

Structural engineer: Arup

Main contractor: Bowmer and Kirkland

Track designer/installer: Velotrack

Balustrades: Arkoni and Taper-loc

Precast concrete: Bison

Infield vinyl flooring: Tarkett

Perforated ceilings and dry wall systems: Knauf

Internal glass screens: Moda

Doors and ironmongery: Laidlaw

Rodeca colours Olympic Park regeneration



Work has just begun on the installation of 1,400m² of Rodeca's translucent polycarbonate cladding panels on the former Olympic Park. The 50mm PC 2550 Opal wall panels were specified for existing and new circulation cores or staircases at the former international broadcast centre at the heart of the 1.2 million ft² Here East "campus". Rodeca cladding will also feature on a standalone circulation core on the north-east elevation which links into an external steel gantry structure as well as two existing stair cores on the west elevation. These two stair cores will have a series of perforated aluminium rainscreen panels in front of them and when backlit the soft white colour of the Opal Rodeca panels will filter through and shine at night.

01268 531466 www.rodeca.co.uk

enq.151

Developing excellence



The opening of the landmark City Football Academy in Manchester has given vent to sustainable excellence – right through to its ventilation. The £87.9 million, 80 acre complex reaches the gold standard under LEED guidelines. Part of the low carbon

target has been met by using local manufacturer **Gilberts of Blackpool** to produce and supply the ventilation grilles and diffusers. Gilberts' products, including the standard GRC circular multi cone diffusers, GFSS floor swirl diffusers and HGH high strength sports & gymnasium grilles feature in the ceilings and floors of the Central Training Facility for the club's first team, NW Development Building for up to 400 young players, and facilities management Building.

01253 766911 www.gilbertsblackpool.com

enq.152



Scotscape installs Living Wall in the Private Members Enclosure at The Wimbledon All England Tennis Club

Scotscape's specialist living wall team have installed a living wall in the Private Members Enclosure at The Wimbledon All England Tennis club.

This elegant wall measuring 23m² contains 1,127 plants, naturally including an abundance of strawberries, shield's the Private Member's Enclosure providing privacy from the crowds, offering sound abatement and fragrant planting to further enhance this already spectacular location.

For further details about the Scotscape Living Wall system, please contact sales@scotscape.net.

0208 254 5000 www.scotscapelivingwalls.net

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Schlüter-Systems hits a six at cricket stadium hotel

The designers of a new four star hotel at the Ageas Bowl Cricket Stadium have selected Schlüter-Systems, a market leader in essential tiling protection, to waterproof and reduce sound transmission in the bathrooms of all 171 guest rooms.

The Hilton at The Ageas Bowl, Southampton, home of Hampshire County Cricket, opened in the spring of 2015 and will cater for thousands of guests every year, meaning its new facilities had to be of the highest quality and durability.

Schlüter *-DITRA-SOUND offers superior sound insulation, significantly reducing the sound transmission to adjoining rooms, making it an ideal product for hotels. Additionally the Schlüter*-DITRA range of mattings and membranes are designed to waterproof and protect tiled installations from lateral movement, cracked substrates and water penetration, the range also includes the unique underfloor heating system Schlüter *-DITRA-HEAT.

EPR Architects' Nick Rayner, one of the team who designed the Hilton at The Ageas Bowl, said: "Schlüter-Systems is one of a select few companies

which can provide the type of solutions for tile and stone needed for a premier establishment such as a new Hilton Hotel."

"The diversity of their product and application ranges and vital consultant services give architects a host of support and advice that can be trusted when designing a large project such as this – from an architect's point of view you have more freedom to create what you want."

Schlüter*-DITRA-SOUND is a bonded impact sound insulation for tile coverings, made of a heavy polyethylene mat, which has an anchoring fleece laminated on both sides to bond with the tile adhesive.

The impact sound reduction of 13 dB achieved by Schlüter*-DITRA-SOUND means as part of the assembly, it can contribute towards a 50 per cent reduction in airborne sound.

Carl Stokes, Head of Marketing and Customer Service at Schlüter-Systems, said; "The Hilton at The Ageas Bowl is a prestigious new hotel in a grand setting, and we're delighted that our products were specified and designed into the project; ensuring everyone from client, architect

to hotel guest can sleep tight knowing Schlüter*-DITRA-SOUND is performing as expected."

As well as providing acoustic reduction solution in all guest bathrooms, Schlüter *-DITRA-SOUND has also been used in the appropriate staff welfare and disabled access facilities, totalling more than 1'300 m2 of Schlüter *-DITRA-SOUND throughout the hotel.

Boasting stunning architecture and stylish design, the Hilton at The Ageas Bowl is incorporated into The Ageas Bowl Cricket Stadium, which plays host to England Internationals against the world's greatest cricket teams, and also functions as a music venue, and has hosted arena-scale shows by acts including Oasis and The Who. The hotel has recently started taking bookings.

With over 10,000 products in its range, Schlüter-Systems have an essential role to play in every professional tiling product. To find out how it can help you to create more beautiful and longer-lasting installations call or visit the website

01530 813396 www.schluter.co.uk enq.155

Hauraton drainage channels used at Penarth Learning Community School



Penarth Learning Community School, Cardiff, South Wales, comprises a mainstream comprehensive school with 1,280 places, together with a Special Educational Needs (SEN) school, catering for 205 pupils with a wide spectrum of learning needs including those with learning and physical difficulties and those on the autism spectrum. Together with a learning facility, there is also a 1,500m² residential home, allowing 19 pupils to stay over at any one time to provide respite to their families. With the site being quite flat and the new buildings' surrounded by block paved areas and asphalted surfaces, it was essential rainwater is drained effectively. Two **Hauraton** systems were chosen to drain surface water: RECYFIX[®] PRO fitted with FIBRETEC[®] C250, HEELSAFE 9mm slot gratings for the asphalted yards and car park and RECYFIX[®] STANDARD SLOTTED CHANNELS fitted with symmetrical galvanised steel covers. Once installed this system provides an unobtrusive, narrow line of slots in the paved surfaces. Steve Wiseman, Hauraton's project engineer comments: "By using two types of channel the overall appearance of the block pavements and asphalted surfaces was enhanced with the drainage requirement fully met". For the full case study, please visit the website.

01582 501380 www.drainage-projects.co.uk

enq.156

SSE Hydro's Flowfast Floor supports singing, sports and celebrations

The award winning SSE Hydro arena utilised several high performance resin flooring solutions from **Flowcrete UK** to create surfaces that would maintain an attractive finish despite being continuously walked and danced on top of by thousands of revellers. The 13,000 capacity venue has already become a popular leisure destination. Over 9,000m² of Flowcrete UK flooring solutions were installed throughout the venue when it was constructed. This includes 8,500m² of Flowfast Quartz in the arena's main bowl area and a further 511m² of Mondéco Classic in the VIP lounge rooms. The robust, easy to clean nature of these floors makes them ideal for a stadium setting, as they are able to withstand the movement of large bodies of people for an extended period of time, retaining a seamless and unblemished surface. The floor in the main arena would also be at risk from a variety of other damaging factors that could easily crack an inadequate floor finish. The durability of Flowfast Quartz means that it will be able to overcome these challenges while maintaining a decorative finish. To ensure that the floor conveyed the modern, stylish surroundings of the VIP rooms, a dark Mondéco Crystal floor was installed with a blend of mirrored and clear glass chippings incorporated into the surface to create a shimmering lustre underfoot.

01270 753 000 www.flowcrete.co.uk



enq.157





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Leisure facility nominated for award thanks to Metrotile UK

A lightweight steel roof installed by Metrotile UK on a leisure facility in Wiltshire contributed to a sustainable project which has been nominated for a regional award.

The new building on the PGL campus in Liddington near Swindon has been nominated for the South West LABC Building Excellence Awards 2015, thanks to its sustainability credentials which include the Metrotile roof.

PGL, which is based in Ross-on-Wye and operates 22 activity centres in the UK, France and Spain took over the site in Liddington five years ago and recently began working on a brand new guest accommodation block that would be known as Ridgeway.

The new timber frame building, which can accommodate 392 guests across 116 rooms, took

just 28 weeks to install the building from the ground up, including a rapid roof installation that utilised the Metrotile Bond profile in charcoal.

Metrotile UK was also able to supply custom fittings so that a retrofit photovoltaic system could be installed.

In addition, PGL has used Metrotile products at Liddington on two staff accommodation blocks, once again timber frame and utilising a thermal energy system to provide hot water to the 108 staff members that they house.

Tomy Thompson, Regional Property Manager for PGL, said: "For us, the benefits of lightweight steel roofing are the speed of construction but also the lack of forward maintenance. Bearing in mind that this is a leisure facility, because of the way the tiles are installed there is no prospect of damage causing loose tiles or slates.

"It's a great product and we hope to work

with Metrotile UK again in the future. We are pleased that the facility has received due recognition with the award nomination."

01249 658514 www.metrotile.co.uk

enq.159



DuPont™ Corian® scores for Southampton FC



CD UK has supplied DuPont™ Corian® at Southampton Football Club's new training facilities in Marchwood. Fabricator Ridon Joinery created centrepiece tables and desks in the training area, the first team dining room and the auditorium. The installation included a 6m long

high level table with a goal post design finished in Corian® Glacier White in the dining room. Separately, the first team dining area was designed to be informal but high quality. In this area the tables are made from Corian® Lava rock solid surface material with a grey laminated circular base, achieving the maximum use of the available space. The club is now following the finishes through into the stadium to update the bar areas, dining rooms and the main reception desk.

0113 201 2240 www.cdukltd.co.uk

enq.160

ATAG boilers guarantee a warm welcome



Visitors to the popular Bristol Lido will have an added guarantee of warmth all year round following the replacement of four old, inefficient boilers with two ATAG XL110 commercial boilers, the last word in super efficient, environmentally friendly heating technology.

The two ATAG XL110 boilers have a combined output of 190kW and will supply domestic hot water and heating for the restaurant, pool and spa. Featuring ATAG's tried and tested 316 stainless steel heat exchanger technology, the XL gives a class leading efficiency of 109.3 per cent (EN677), achieved through seamless upward modulation. Business Development Manager Colin Green said: "ATAG Commercial's XL boilers ticked all the right boxes".

0800 680 0100 www.atagheating.co.uk

enq.161

Rugby World Cup tries to extend accessibility



The Millennium Stadium is now closer to achieving its aim of removing any barriers to its use by disabled people: it has opened a new Changing Places assisted, accessible toilet. Supplied and installed by Clos-o-Mat, one of the UK's leading providers of disabled toilet solutions, the new facility means that anyone who needs the help of a carer can now participate in Stadium events, relaxed

in the knowledge there is appropriate personal care provision. Bigger than conventional wheelchair-accessible toilets, Changing Places have more equipment too, including an adult-sized height adjustable changing bench, and ceiling hoist.

0161 969 1199 www.clos-o-mat.com

enq.162

Are you working on any interesting projects?



Interlace residential development, Singapore – See page 7

We are continually looking to source unique, newsworthy content for both the Architects Datafile magazine and website

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A private balcony – from idea to reality

It is no coincidence that “balcony” is now one of the most searched keywords when people are looking for a new home. Estate agents are often told that the apartment they are offering would be perfect, “if only it had a balcony” as Balco Balcony Systems reports

A unique location

The balcony is more popular than ever. For city dwellers, it's the gateway to the outside world. A unique location that adds an exciting dimension to the home. A place to socialise and celebrate, to exercise or simply relax. The balcony has as many uses as there are people and no two balconies are alike. Unlike any other part of the home, it provides an arena for personal expression, effortlessly bringing the outdoors indoors in a simple and secure way.

An attractive living environment – both inside and out

The balcony is the ideal place to get out in the open air, to feel the sunshine and breathe in fresh air. A place to spend summer evenings or to exercise those green fingers. Urban gardening grows in popularity every year and the balcony is the ideal place for your own little vegetable garden. Few things match the joy and taste of picking fresh herbs to add to cooking or picking fresh fruit ready to eat.

Many people now understand the benefit of natural light in the home. In addition to the obvious energy savings from less lighting, it has a positive affect on mood, alertness and general well-being. However, fewer people realise the positive effect that a balcony has on the entire apartment. The natural place to site a balcony is usually in place of a window, this means that the area of glass is increased. This, when used in conjunction with bright, reflective surfaces and well considered colour schemes dramatically increases the natural light inside the whole apartment.

Continued overleaf..



A balcony is always a good investment. In addition to improved quality of life, it raises the value of the property and makes homes more attractive

‘When designing a balcony it is important to take into account both architecture and functionality’



Well thought out drainage avoids rain streaks on windows and dirty water on the facade

Aesthetics and function

The installation of a balcony onto a property is a fairly large project. But with the right knowledge, equipment and a well thought through brief a good supplier can build balconies on most houses.

A balcony is high on the wish list of most apartment dwellers. Those people who already have one cannot envisage life without it. And those who do not have a balcony often feel that something is missing.

When designing a balcony it is important to take into account both architecture and functionality. Usually, the aim is to preserve the spirit and identity of the building while also creating a contemporary and functional solution. Proceeding with caution however, should not mean limiting choice.

Choices

When specifying a balcony, it is important to think about how your client needs things to work. Do they need a balcony that can open fully? From floor to ceiling? Or is the ability to shut out wind and rain the most attractive feature? Do the windows need to be cleanable from inside? Answering these few questions will make choosing the supplier easier.

Drainage and ventilation

Features such as drainage and ventilation are important to consider when choosing a supplier. Drainage is perhaps not the first thing you think of when it comes to a covered balcony, but is certainly one of the most important functions. Not only does it take water safely away, the right choice of drainage keeps the parapet looking fresh longer. Well thought out drainage avoids rain streaks on windows and dirty water on the facade.

A ventilation system that ensures that the balcony's air flow is unaffected by the glazing is of great importance. A built-in ventilation system reduces condensation and safeguards the building's existing ventilation system.

Specifying a balcony supplier

An experienced balcony provider will obviously make the process significantly easier. The task of any supplier is to make your designs and ideas become reality in a safe, compliant way. List what features your client requires and ensure that the resulting specification delivers this. This way the best and most cost-effective balcony solution can be delivered.

Be sure to specify a provider that can deliver a sustainable functional solution with the features and benefits that your customer wants – let your ideas become reality!

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Stannah Passenger Lifts – since 1867

For almost 150 years, Stannah has been in the business of lifts. Today its comprehensive standard passenger lift ranges offer solutions for 4-33 persons in all types of low to medium rise buildings, while its bespoke lifts cater for the unusual. Its aim is to provide you with a vertical lift that is Part M and EN81-70 compliant, fit for purpose, safe and quality engineered.

Maxilift 2.0 - Stannah hydraulic passenger lift range

With 6 - 14 person capability and travel up to 15 metres, these lifts are ideal for low/medium rise and medium use. Maxilift passenger lifts offer simple, cost-effective solutions that provide reliability, safety and choice – in equal measures.

Their versatility is ably illustrated in a series of 2015 installations in Wales for Pembrokeshire



Maxilift 2.0 for Pembrokeshire Housing

Housing as Property & Compliance Officer Aled Roberts confirms: “We have specified Stannah lift products before and were happy to do so again with these new developments. The Maxilifts represent excellent value for money with the added reassurance of a well-known brand and the comprehensive support service that goes with this.”

In Paterchurch Court, Pembroke Dock, an 8-person Maxilift brings access over four floors to 26 apartments. Likewise, in Acorn Heights, Tenby, a similar lift brings access to 16 apartments ranged over three floors. And in Marychurch Court, Haverfordwest, a 6-person Maxilift unites three floors and 30 apartments.

All three sites had existing lifts, which Stannah decommissioned and safely removed, prior to placing new lifts into the existing shafts. On each site Stannah ensured builder's work was kept to a minimum by configuring the new lift car to suit the existing shaft and landing entrances. For easy site access, half-length lift guides were specified on each installation.

For each passenger lift, Stannah's on-site project managers liaised with third parties for the installation of a Tunstell Warden Call unit, an internal building communication system often used in residential care properties, allowing two-way conversation with the lift.

Xtralift 2.0 - Stannah traction passenger lift range

With 6 - 33 person capability and travel up to 40 metres, these lifts are ideal for busy environments. They carry more people, a little faster and a little higher and are ideal for projects with special requirements. A super-efficient high performance gear-less traction drive ensures a smooth ride with low noise, energy use and running costs perfectly suited for increased usage and higher travels.

Five Stannah Xtralift 2.0 passenger lifts are playing a key access role in Phase 3 of the award-winning regeneration of Packington Estate in the London Borough of Islington.

This £130-million, 8-year project to replace 538 structurally defective flats with 791 energy-efficient houses and flats, with the addition of community is a nationally recognised triumph of integrated, uplifting, urban community living.

The three simplex control and two duplex control passenger lifts are traction driven at a speed



Vandal-resistant Xtralift 2.0 for Packington Estate

of 1.0 m/s in wall-mounted shafts measuring 1650W x 1835D. The lift car interiors are finished in satin stainless steel or silver-grey vinyl skinplate, with silver rear wall mirrors, handrails and black-studded, non-slip PVC floors. Optional extras include vandal-resistant reinforced cars, heavy-duty doors, tamper-proof LED ceiling lights and autodiallers.

Stannah has also supplied and installed passenger lifts in Phases 1 and 2 of this redevelopment, with four further lifts scheduled to be installed during Phase 4, totalling 16 lifts over the first four phases.

All new Stannah passenger lifts are covered by a comprehensive aftercare service from locally based Stannah lift engineers who are part of a nationwide network providing comprehensive lift servicing and support.

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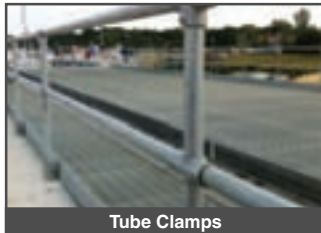
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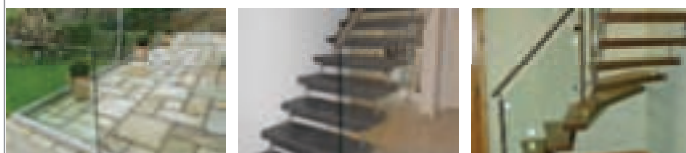
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Balcony demand reaches new high

neaco is experiencing a major growth of business within the residential sector following the specification of its Clearview balcony systems in a wide range of apartment projects. The rejuvenation of the UK's property market and the house-building industry has seen a surge in demand for neaco's contemporary glass-fronted balconies designed for high aesthetic value, easy installation and durability. neaco's UK Business Development Manager, Peter Melia, said: "Demand for our balconies reached a peak almost ten years ago, prior to the downturn in the economy and the housing market, but the recovery of the residential sector has seen demand return to an even higher level in 2015. Most of the demand is being attracted from the luxury end of the market with high-specification apartments which require superior kerb appeal. The stylish contemporary aesthetic of our Juliet and walk-on balconies is an ideal match for this type of development. Their eco-friendly construction, with minimal waste and no energy-consuming hot works required for installation, is also a key feature in a sector which values sustainability."

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New Helifix BowTie HD Kit



Structural repair specialist, **Helifix**, has launched a new BowTie HD Kit which contains the necessary components, materials and instructions a repair contractor requires for the rapid cost-effective restraining of bowed external building walls by securing them to internal floor and ceiling joists. The

kit is available in two versions containing either 5 or 10 No. 1 metre long BowTie HDs along with PolyPlus SF resin, an SDS Drill Bit, the BowTie HD SDS Driver and 2 injection tubes. Effective in all common wall materials and suitable for use with hardwood joists, the self-tapping design of the BowTie HD avoids splitting of timbers. With minimal disruption to the building's fabric or occupants, it is easily tested for security of fixing before being resin bonded.

enq.176

Brick Works! Design day launch success!



On 16th June 2015 the **Brick Development Association** in partnership with The Building Centre launched one of the most ambitious expositions of brick contemporary design yet seen in the UK. The full-day conference explored the aesthetic possibilities of brick and offered practical guidance to help achieve design ambitions. It brought together world-class speakers such as Alfred Munkenbeck of Munkenbeck + Partners, Nelson Carvalho of Alison Brooks Architects, Stuart Piercy of Piercy & Co, Joe Morris of Duggan Morris and many more, to examine the use of brick as both a facade and structural material. Simon Hay, CEO of the Brick Development Association comments: "We will endeavour to make Brick Works! Design Day become an annual event."

020 7323 7030 www.brick.org.uk

enq.178

Hunter Douglas breathes new life into market



A ceiling created and installed by architectural products manufacturer **Hunter Douglas** has helped to transform the historic market area in Leicester. Commissioned by architects Greig and Stephenson, Hunter Douglas supplied and installed a 470m² solid wood linear open ceiling in fire-treated FSC Siberian larch for the technically complex

£7 million glass and timber pavilion. The system was installed between specially engineered glulam beams and to achieve the desired reverberation time of 2-2.5 seconds, which provides the "buzz" of a market environment, the Hunter Douglas solid wood system was specified with 92mm wide Siberian Larch slats with 19mm gaps which were closed off with an acoustic felt strip.

01604 766251 www.hunterdouglas.co.uk

enq.180

Norbord helps The Kelpies

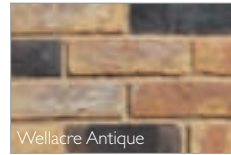


Norbord's SterlingOSB has been chosen for the construction of wall panels at the new visitor centre for the Kelpies, artist Andy Scott's enormous steel horse-head sculptures near Falkirk, Scotland. Construction of the £1.45 million visitor centre started earlier in 2015 and is due for completion in the autumn. It will include a

restaurant, retail area, visitor information and facilities and an audio-visual 'experience'. SterlingOSB was specified by the project engineer, and Alan Barton, project manager with main contractor Maxi Construction says that it is widely used on most of the projects he works on: "It's in nearly all timber frame systems and is widely used for roof sarking, especially here in Scotland".

enq.181

Northcot Brick launches yellow handmades



Northcot Brick, one of the UK's foremost independent brick manufacturers, has launched a new range of classic yellow bricks as part of the planned extension of its well-established hand-made range. The three new blends: Woodstock Weathered, Wellacre Antique and Marlborough

Mellow add variation to the already much sought after rich warm reds and orange hues often associated with the historic brickworks. These distinctive yellow bricks offer subtle variations in tone and texture and a character designed to complement the architecture of the south and south east of England, being reminiscent of the traditional stock bricks often found in London and the South East.

01386 700551 www.northcotbrick.co.uk

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MAXXimum security



Speedy installation and reliability in operation, these are a couple of the many features found in the new AlertMAXX alarms from **Delta Membrane Systems**. They are used in sump installations, with the new DMS270 AlertMAXX being used for ground water and surface water applications, and the DMS269

AlertMAXX for foul water use. Just two fixings are required along with the connection of mains power and a float switch for the AlertMAXX to be fully operational. Each model has an LED display that shows the current status, high level alarm, previous cancelled alarms, mains failure and service reminder. The design of the new alarms also prevents accidental deactivation.

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The real benefits of English Oak – The most iconic of British woods

Oak remains perhaps the most iconic of British hardwoods, but how does English oak fare against imported oak, and do designers and specifiers fully understand and appreciate the available choices and advantages of English oak over imported timber? Tom Barnes of Vastern Timber looks into the heart of this most British of woods



Oak from English forests has been used in building construction for many centuries and original oak beams continue to support structures more than 500 years old. The traditional popularity of English oak can largely be explained by the availability of the trees and durability of the wood. As a natural building material, oak is extremely hard to destroy; large sections will resist fires intense enough to melt metal and will flex to accommodate the natural movements of a building.

Although English oak stocks have been depleted over the centuries, there continues to be a healthy supply of logs from private estates and, to a lesser extent, the Forestry Commission. With an increasing emphasis on sustainable forestry and general good practice among forest owners, oak forests will continue to be a productive part of the landscape in this country.

English oak is ideal for use on projects such as the drawbridge as it is extremely robust and the new structure will undoubtedly last for centuries. English oak (*Quercus robur*) is considered to be the strongest of the oaks because it has a more interlocking grain than oak from continental Europe which is characteristically more mild and straight grained.

Oak beams are usually cut from trees between 90 and 120 years old, ideally felled during the winter when the sap is down. The beams for construction tend to be fresh sawn or 'green', which means that they are in fact wet, and while this is of concern to many architects because of oak's natural tendency to shrink and split, it is the ideal way to use the timber. The alternative, dry oak, is very hard and therefore more difficult to work.

Oak dries very slowly (a large beam can take 8-10 years to
Continued overleaf...

‘For designers looking to specify structural oak there are two main sources - The UK and France’



fully dry) and is consequently expensive. However, there are four options for the dryness of the timber, and this will have an impact on the price. Kiln dried oak beams (moisture approx 15 per cent), air dried oak beams (moisture approx 25 per cent), semi seasoned / weathered structural grade oak beams (moisture approx 20 per cent – 60 per cent), and finally fresh cut structural oak beams cut from old felled logs which have been ‘settling’ for over three years (moisture – wet). Fresh



sawn beams are available up to 9.5 metres long, and up to 500mm x 500mm section size.

For designers looking to specify structural oak there are two main sources – The UK and France. However, while imported oak can often be cheaper, particularly when taking into account the embattled Euro., there is a sustainability price to pay if the wood is imported. There is also a great deal of difference in design flexibility. Local British sawmills are easy to access, and as well as the option to inspect timber and cuts before choosing, the designer will benefit from more flexibility in cuts from their local sawmill, especially curved and shaped wood.

But it is the issue of sustainability which ultimately dictates that English oak is the better and more responsible choice. The British timber market has for a long time suffered against foreign imports. Ninety four percent of all hardwoods used in the UK are now imported. This has resulted in an industry being hard hit and communities also being impacted as a result. This has, in turn, had a negative effect on the management of our own native forests and woodlands which, without a strong domestic timber industry in support, has consequently suffered from lack of adequate management. Studies indicate that up to sixty per cent of our native mixed woodlands are currently unmanaged.

However, with growing momentum of the Grown In Britain movement that aims to promote the benefits of British grown timber, as well as supporting better management of native forests and woodlands, the reality for architects and designers specifying structural oak is that there are more good reasons to buy British than not to.



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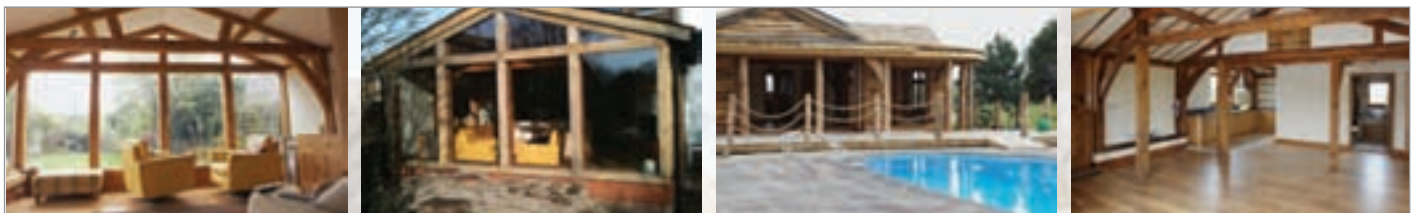
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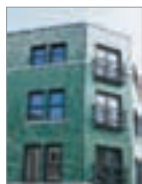
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enq.188

Collection alsecco glazed tiles



alsecco's external wall insulation system incorporating a glazed ceramic tile finish has recently been installed on an interesting project in Kingston upon Thames, Surrey. Trinder Architectural Ltd, Chartered Architectural Technologists, specified the alsecco system as they had previous experience of the system and were impressed with its versatility, since the ceramic tiles could be used externally. Facade specialist, Wall

Solutions, installed the alsecco external wall insulation system bedding the ceramic tiles directly to the reinforcing layer. In total approximately 250m² ceramic tiles were used on the project with a white render finish on the upper floors of the apartments stretching down the side street.

01785 818998 www.alsecco.co.uk

enq.189

New system from NVELOPE



NVELOPE, a market leader in rainscreen cladding support systems, recently introduced NH2, a system that can be used to support vertical elements. Satisfying safety standards, the NH2 cladding support system plays a major role in the aesthetic envelope of a building and provides added performance benefits. NVELOPE's NH2

system is perfectly suited to new and refurb properties, where the external design is of high importance. The system is compatible with a number of facade designs, and allows these to be installed vertically. Architects simply need to access the Project Checklist section at www.nvelope.com and complete the simple two step data entry process.

enq.190

Royal welcome



Trapezoidal pavilion roofs and facades, clad in Aurubis' Nordic Royal golden copper alloy, define the welcoming character of a new children's nursery building. Arcadia Nursery brings together two existing University of Edinburgh nursery facilities, into a single, purpose-built complex. Although conceived as a free-flowing series of interconnected spaces internally, externally each age group's playroom is clearly expressed as an inviting and domestic – but also contemporary – form. The resulting three pavilion roofs are clad in Nordic Royal golden copper alloy, as well as some facades complementing adjacent timber cladding. Malcolm Fraser Architects selected Nordic Royal for its warm and friendly persona, so crucial to a nursery setting. Having used bronze on other projects, the designers felt that this would become too dark, whereas Nordic Royal will stay light, both in terms of the colour and visual weight, sitting well alongside the timber cladding. Double lock, standing seam joints were used to give structure to the pitched roofs but the Nordic Royal wall cladding is installed with a reverse coulisseau joint, avoiding projections that children might catch themselves on at low level. Nordic Royal is produced by Aurubis, part of a world leading integrated copper group and largest copper recycler.

01875 812 144 www.aurubis.com/finland/architectural

enq.191



TIMBER FRAME ERECTION SERVICES

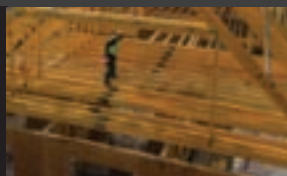
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enq.192

Aluminium: the trusted building material



Aluminium is the ubiquitous construction material, constantly evolving with design. It is a building material that offers the designer reassurance as well as catering for new demands. For construction professionals gaining a grasp of its capability is a future proof skill. Aluminium gives

the architect the opportunity to design feature and style to a building every time it is specified. Naturally, each project is different and aluminium can complete the design concept of even the most innovative practice. Comar Architectural Aluminium Systems, continually develop to meet the demands of designers, providing support and calculation at any stage of the tender process.

0208 685 9685 www.comar-alu.co.uk

enq.193

Metal Technology brings light to The Albus

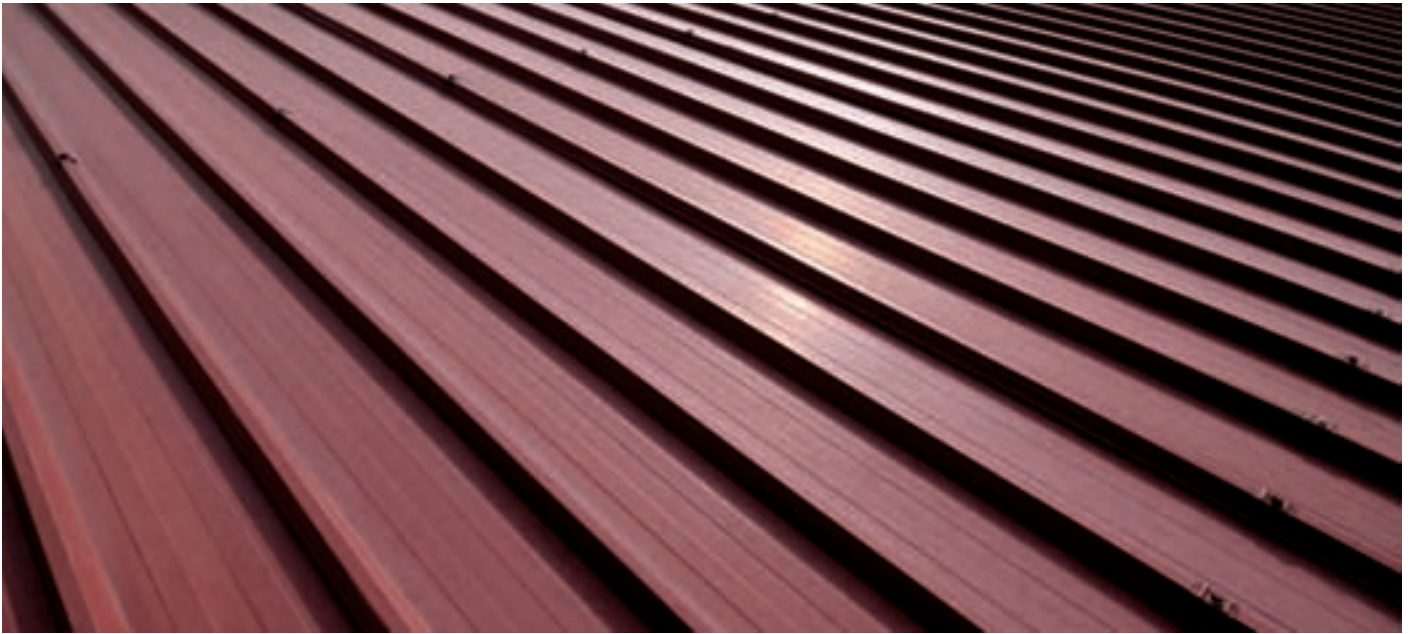


Metal Technology sliding doors, high rise curtain walling and door systems have been used at The Albus, a high profile 20,000 sq ft office development in Glasgow. Pivotal in creating the desired aesthetic and performance values, the building features Metal Technology's System

17 High Rise Curtain Walling and System 5-20DHi+ Thermally Enhanced Door System for the entrance. The windows throughout the building are System 25Hi+ Lift-and-Slide Sliding Doors. While internal panels protect against fall risks, these doors can be fully opened for maximum ventilation. The System 25 Lift-and-Slide Door has been designed to offer a sliding opener with pleasing site lines and all the benefits of weather performance, thermal enhancement and security.

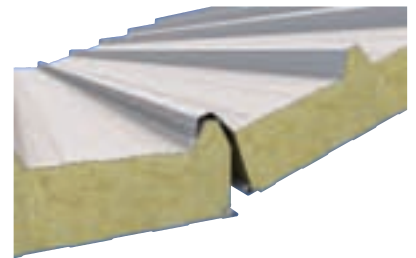
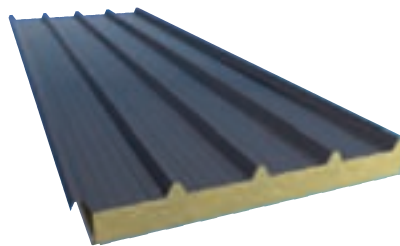
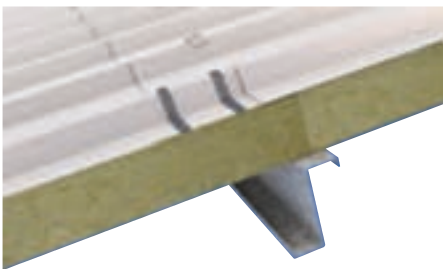
028 9448 7777 www.metaltechnology.com

enq.194



Roofspan

Eurobond launches Roofspan, a new non-combustible stone wool core, trapezoidal composite roof panel



Combining functionality and superior fire and acoustic performance, Roofspan delivers a low risk total building solution that is cost effective with a low environmental impact. Developed as a roofing solution for high risk buildings and manufactured with a non-combustible stone wool core, Roofspan gives superior reaction and resistance to fire, certified to LPCB standards.

Roofspan offers significant advantages over conventional site assembled systems including fast single fix installation, reliable thermal performance and low air leakage, exceeding building control guidelines. The roof panel is quick and easy to install, and the wide spaced trapezoidal steel external skin provides optimum performance for water drainage, strength and walkability.

The Eurobond NRG® option is available across the Roofspan range and is particularly suitable for buildings where the underside of the roof is exposed. It uses a special internal steel face that maximises daylight and reduces the requirement for artificial lighting. The result is lower light energy bills for the life of the building, a reduction in the carbon footprint and a positive contribution to material credits in a BREEAM assessment. NRG® is a passive energy saving product and the benefits are expected to last the life of the building in normal and unpolluted environments.

The stone wool core of Roofspan panels has a high content of recycled material and this helps to minimise the environmental impact of construction, reducing carbon emissions by diverting materials from landfill and limiting the

depletion of finite natural resources. At the end of a building's life Eurobond Roofspan composite panels offer a 'Cradle to Cradle' approach to recycling where materials are recycled in a closed loop. This maximises material value whilst minimising the damage to ecosystems – products are used, recycled and reused again without losing any material quality.

Incorporating aesthetics, functionality and performance Roofspan is manufactured from Colorcoat HPS200 Ultra® and Colorcoat Prisma® pre-finished steel by Tata Steel, complete with the Tata Steel Confidex® Guarantee, providing peace of mind for up to 40 years upon registration.

02920 77 66 77
www.eurobond.co.uk

enq.195

Levolux helps Suffolk go green



A bold new 'Energy from Waste' facility in Great Blakenham, Suffolk is having a surprisingly positive impact on the Suffolk landscape, thanks to an Aerofoil Fin screening solution from **Levolux**. The custom solution comprises aerofoil-shaped louvres each measuring 500mm wide by 50mm thick, applied across each of the building's four elevations. The extruded

aluminium Louvres are set at a pitch of 750mm, assembled into panels using aluminium side-plates. The louvred panels, with free spans of up to 3.6 metres, combine to cover almost 4500 square metres of the external facade. All aluminium components, including the aerofoil-shaped louvres, are finished in an attractive and durable light blue powder coating.

enq.196

SWA supports new glazing group



The **Steel Window Association (SWA)** represents the great majority of UK steel window manufacturers. It is no surprise then that it is one of the founding members of the Glazing Supply Chain Group which aims to increase the industry's lobbying power on behalf of the all companies operating in the glass and

glazing supply chain. The SWA supports member companies in product development, market research and promotion while making sure that each member operates to the highest industry standards. If you are a manufacturer, supplier or installer of steel windows or doors, benefits include belonging to a UK recognised trade organisation, sales enquiries, product development, building regulation influence and much more.

enq.198



NEW

M-Tray sedum green roof modules

M-Tray sedum green roof modules from Wallbarn are the fastest, cleanest and simplest way to install fully established, mature extensive green roof systems. These pre-grown modules have all the necessary planting, drainage and filtration elements included and are contained within easy-to-carry tray units. The M-Tray units click together to form one seamless green roof. One person can carry a unit easily, there is no risk of the contents spilling out and hard to access areas can be reached. Roofs previously thought of as unsuitable for green roofs can now be landscaped.

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www.wallbarn.com

enq.200

Architects and designers get the Imago Point



700 architects regularly use the **AGB Imago Points** national network of showrooms in Italy for Imago Lift & Slide Doors. They take advantage of the opportunity to show their clients stunning glazed feature walls that open up to connect with the outside. Now, the Imago

Points network has arrived in the UK and Ireland and is growing fast to meet demand for the exciting new wide span door system. Companies manufacturing and installing Imago Lift & Slide timber doors have full sized examples of Imago at their showrooms and offer expert advice. 700 architects regularly use the Imago Points national network of showrooms in Italy for Imago Lift & Slide Doors.

01279 812958 www.chooseimago.co.uk

enq.197

Demonstration of Trio's A-rated capabilities



Following on from its presence at the FiT Show and its "Have One on Us" promotion there, **tremco illbruck** has delivered on-site training in the use of its A-Rated window sealants for two dozen installers around the country; including an Oxfordshire-based company which invited the manufacturer to demonstrate the

capabilities of TP651 Trio tape where new frames were being fitted at a village hall. Explaining the advantages to installers, as well as the long term performance, Steve Wild tremco illbruck's business development manager, said: "TP651 Trio not only offers a more thermally efficient solution over the majority of silicone based sealants, it also allows the frames to be fitted some 20 per cent quicker because it is so easy to apply."

enq.199



NorDan chosen by award winning architects

Mazarin House is a block of 6 two-bedroom flats in Woodford which achieves energy performance of Level 4 of the Code for Sustainable Homes. **NorDan's** timber sliding doorsets feature in the main living spaces of this novel design by award winning Arboreal Architects at Bethnal Green London. Architect Tom Rayment from Arboreal says: "We chose NorDan products for our building because of the excellent thermal performance using only double glazed units. The timber frames reduce their carbon footprint. We emphasised the natural beauty of wood, by choosing the clear lacquer finish for the interior of the frames. The external factory fitted aluminium cladding was anodised to a bespoke colour to match our designs." NorDan was founded in Norway in 1926 by the Rasmussen family. It's still a family business today run by the third generation. NorDan has six regional project offices in the UK to be close to the customer.

01452 883131 www.nordan.co.uk

enq.201

City centre hotel progress



Ruukki UK Ltd is currently supplying composite panels on the prestigious Park Regis Hotel complex in Birmingham city centre, a prominent addition to the city's skyline, which is due to open late 2015.

Installer Sage, will be constructing the new Hotel using its SP2D PIR composite cladding panels which is an ideal solution for facades with high requirements for thermal insulation and visual appearance. The SP2D PIR panel is fire safe & energy efficient due to its low thermal conductivity and concealed fixing joint design. Gareth Ellison, country manager of Ruukki UK Ltd commented: "We are delighted to be involved in this new project and even more pleased the Hotel have opted for the SP2D PIR panels."

0121 704 7300 www.ruukki.co.uk

enq.202

Kawneer set to star on university centrepiece



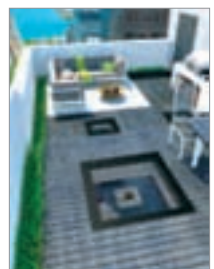
A leading architectural aluminium systems supplier, Kawneer has been awarded one of its largest contracts to date – a state of the art new complex at the heart of De Montfort University's (DMU) Leicester campus. The new Fletcher Complex will

be an impressive base for the internationally-renowned schools of Fashion and Textiles, Art, Design and Architecture. Kawneer's AA*100 zone-drained curtain walling will be complemented by AA*720 top-hung casement windows, a large amount being Teleflex operated, and series 190 heavy-duty commercial entrance doors throughout the tower refurbishment and extensive new-build elements which will replace the Fletcher low-rise buildings.

01928 502500 www.kawneer.co.uk

enq.204

FAKRO roof terrace window



The latest innovative design to be added to the range of FAKRO flat roof windows is the DXW. Designed specifically for areas of heavy foot traffic, a specially strengthened sash and frame enable it to be fitted flush within the roofline. It combines contemporary styling with laminated, P2A anti-burglary glass and a wear-resistant, anti-slip surface. These are all essential if the window is to withstand the stresses and point loading to which roof terraces are subjected. Eight standard sizes are available from 600 x 600mm to 1,200 x 1,200mm. See the DXW being put to the test at FAKRO's YouTube page.

01283 554755 www.fakro.co.uk

enq.206

Portakabin Hire helps meet demand for schools

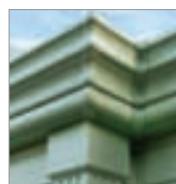


Portakabin Hire, a leading UK supplier of interim modular buildings, is seeing unprecedented demand for primary and secondary teaching accommodation. In just three years, there has been a growth of more than 170 per cent in the Division's education

business across the UK. Following the success of a project at Westgate School in Winchester, Hampshire County Council has awarded three new contracts to Portakabin Hire to provide additional primary school places from September 2015 for short-term use, while permanent teaching accommodation is constructed. By providing classrooms of the very highest standards and with a design life of at least 60 years, buildings from Portakabin Hire help to ensure that there is no compromise on the quality of the learning environment.

enq.203

Global Summer casting shapes design solutions



Synseal's best-selling hybrid orangery, Global Summer, is now available in an extended range of building extension footprint styles thanks to a new 90 degree internal corner casting. Fashioned from sturdy cast aluminium, Global Summer's precision-engineered corner castings complement the distinctively-shaped extruded aluminium decorative external fascia to ensure a neat fitted

appearance. Global Summer was initially available in popular Georgian, Victorian and Gable conservatory styles which cater for the vast majority of orangery market applications, but the new 90 degree internal corner casting now allows more complex T-shaped and P-shaped orangeries to be constructed.

01623 443200 www.synseal.com

enq.205

The slimmest of aluminium windows



Steel windows have long been admired by specifiers for their slim lines and unobtrusive looks. Aluminium systems companies have tried to replicate the 'steel look' with varying degrees of success – until now. With a fixed light and opening light aluminium face width of just 32.5mm, Aluprof's new 'MB Slimline' window offers both good looks and high thermal performance – something steel window systems cannot offer. U values of below 1.00 are achievable, as the new system will accept both double and triple glazing options coupled with aluminium profiles which use wide polyamide thermal break. It is ideal for projects in both residential and commercial environments where slim lines are crucial to the aesthetic appearance of the building.

0161 941 4005 www.aluprof.eu

enq.207

Moduglass Quartet illuminate manuscripts at Enfield Library



Extensive refurbishment and redevelopment work at a library in the London Borough of Enfield has included the installation of four large, high performance rooflights from the Jet Cox range. The phased two-year programme of works centred on the Palmers Green library building is being led by Enfield's Library and Museum Services department and is on course to be completed this autumn; with significant improvements being promised for users. These include a more comfortable and better lit interior environment to which the Jet Cox Moduglass rooflights will make a significant contribution. The remodelled library building will be spread over two floors with new children's, teenage and community spaces. The set of four, five-section Moduglass rooflights have been manufactured and supplied to the main contractor, Borrás Construction Limited, ready for installation onto the prepared deck. The Moduglass Range is available with the choice of two, three, four or five compartment assemblies, which are conventionally located on top of the manufacturer's RO16 insulated upstands. In fact the Moduglass range is compatible with virtually any type of roofing membrane including single ply, hot melt, GRP and lead, copper or zinc. The quartet supplied for the Palmers Green project was all finished in white, although other RAL colours are available to order. The Moduglass units are covered by the company's 10 year guarantee.

enq.208

Steel window colour choice



Leading steel window manufacturer **Crittall** is promoting the wide spectrum of colours finishes available across its product range. Crittall Duralife epoxy-free polyester powder coatings are available in a range of 46 standard colours. Dual colour is also available. The Standard colour range is matt finished

while Gloss is also available. Other RAL, BS, NBS or custom colours are available to order. Powder coatings are applied to galvanised steel and aluminium substrates. 'in-house' under Crittall's ISO 9001:2008 Quality Management System and ISO 14001:2004 Environmental Management System. Duralife polyester powder coatings are compliant with BS EN 13438, BS EN 12206 and BS 6497.

01376 530800 www.crittall-windows.co.uk

enq.209

Klober accessories at the Building Centre



For those designing energy-efficient buildings, roofing specialist **Klober** now has a permanent exhibit at the Building Centre. Klober has pioneered the development of tapes, sealants, sealing collars and vapour control layers to seal the roof space, ceilings and tile penetrations. The

company also manufactures high performance air-open and vapour permeable underlays for all roof types and pitch in order to provide balanced ventilation and airtightness. As with all exhibits at the Building Centre, brochures are available on site or via Specifinder (<http://tinyurl.com/p4mjgmz>). A roofing airtightness CPD presentation can also be booked by calling Ann Leeson on 01332 813060.

01332 813050 www.klober.co.uk

enq.210

Baker Street building transformed by Bauder green roof



82 Baker Street located in the Marylebone district of Westminster in London is a commercial building that has recently undergone an extensive amount of renovation work. Central to the new developments was the refurbishment of the building's flat roof, which included the creation of a green roof terrace area with impressive views across the West End. The original flat roof covering had surpassed its life expectancy and begun experiencing water ingress so urgently needed attention. The original waterproofing on the main roof areas was removed before being replaced with **Bauder's** premium reinforced bitumen system, which included a highly efficient tapered insulation for superior thermal performance and improved drainage falls, ensuring the roof achieved the required average 0.16 U-value. On the new ballasted terrace roof area, located on the building's 5th floor, 400m² of Bauder's bituminous green roof system was installed with wildflower blanket around the roof perimeter delivering an instant carpet of vegetation. Despite the challenges faced throughout the project all roofing works were completed on time and to budget, providing the client with an innovative refurbished roof that boasts extraordinary environmental credentials. This project is an exceptional example of how modern roofing technology can help rejuvenate an historical site.

01473 257671 www.bauder.co.uk

enq.211

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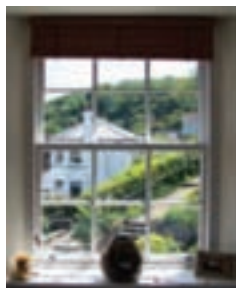
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enq.212

Cembrit slating expertise now available in print



Cembrit has developed a Fibre Cement Slates guide to provide specifiers, craftsmen and trades people with the relevant information for the successful design and installation of pitched roofing with the ever popular fibre cement slates. The book demonstrates how all forms of slating and fibre cement technology offers users peace of mind not available from other suppliers and highlights the wide range of slates and accessories

the company offers. The 80-page document, entitled 'A Guide to Double Lap Slating with Fibre Cement Slates' provides a full explanation on technical specification, design considerations, colour availability and installation advice. The Cembrit range of fibre cement slates has grown over the years and now includes Westerland, Moorland, Zeeland, Jutland and Diamond.

enq.213

Knauf AMF ceilings make the grade



Acoustic ceiling solutions from **Knauf AMF Ceilings** have been chosen for eight schools as part of the London Borough of Newham primary school expansion programme. One of the first schools to undergo successful expansion work is Roman Road Primary in East Ham. Approximately 1,500m² of

Thermatex Alpha, Silence and Aquatec ceilings were installed throughout its new buildings. Thermatex Alpha ceilings are fitted in the upper floor classrooms and offer excellent sound absorption which exceeds the BB93 guidelines for schools. The durable, white surface of these tiles has a high light reflectance which helps give the classrooms a bright airy feel, maximising the use of natural daylight.

020 8892 3216 www.amfceilings.co.uk

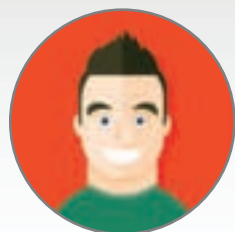
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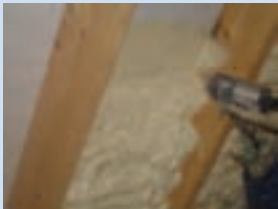


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enq.218

Improving the appearance and thermal efficiency of buildings

Structural defects and poor thermal efficiency are issues affecting a significant number of non-traditional and prefabricated concrete (PRC) buildings. Andy Carter, Struchtherm's technical manager, looks at how Structural External Wall Insulation (SEWI) can be used to remediate these problems.



'SEWI offers the perfect solution as it provides a cost effective method of extending the life of a defective property'

Pictured:
West Dunbartonshire
Council before and
after installation

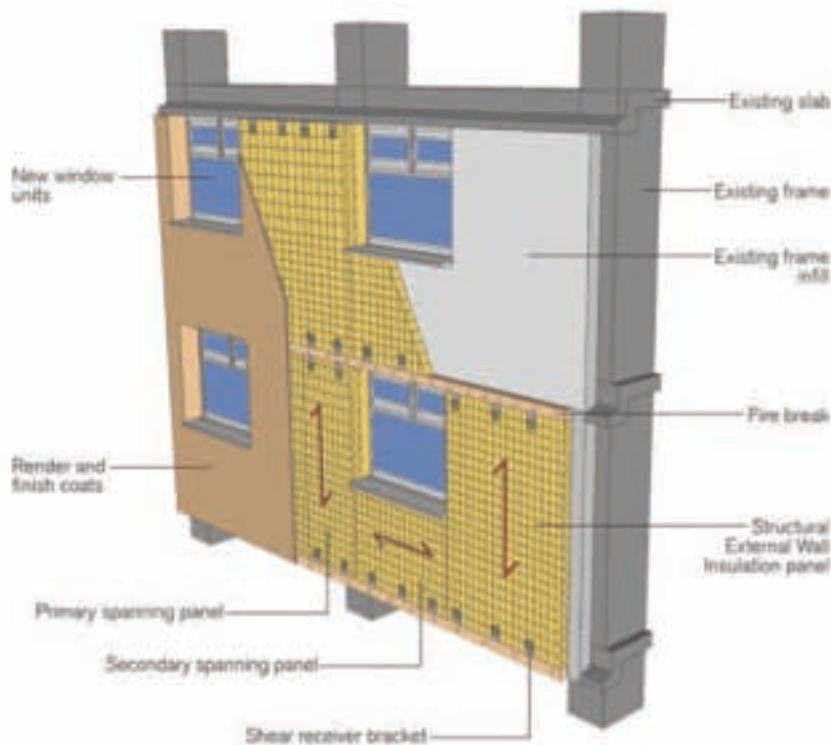
Many buildings, particularly those constructed during the 1960s and 1970s, suffer from inadequate thermal insulation, significant thermal bridging and subsequent condensation problems. Over time, the deteriorating fabric leads to a gradual reduction in structural effectiveness, particularly at construction joints and junctions between components. This is exacerbated by poor concrete cover and/or chloride contamination leading to corrosion of reinforcement in the structural elements. Weather tightness may also be severely reduced.

SEWI offers the perfect solution as it provides a cost effective

method of extending the life of a defective property – which might otherwise have to be demolished – while improving its external appearance and thermal efficiency. It also offers a major advantage over other remedial solutions as installation is carried out externally, allowing residents to stay in their homes during refurbishment. It can be used for over cladding non-traditional, no-fines concrete and defective housing (both low and high), reconfiguring building facades, enclosing balconies or walkways and forming new or existing parapets.

Each SEWI panel consists of a galvanised or stainless steel structure with a rigid insulation core. The type of insulation

Continued overleaf...



used depends on the U value required, but generally it is either mineral fibre, polyisocyanurate (PIR) or enhanced expanded polystyrene (EEPS). This greatly improves the thermal performance of the building, reducing both CO₂ emissions and on-going energy costs for residents.

The panels are attached to the existing building using special fixings and then joined together with mesh to provide a rigid, continuous envelope that offers complete structural integrity without the need to alter foundations or drainage, saving time and money. A substantial layer of basecoat render is then applied, which works with the panels to provide a high degree of strength and an impact resistance of 10Nm.

The refurbishment work is completed with a top coat render. There are a wide choice of contemporary acrylic and silicone finishes in many different colours available, while a traditional finish can be achieved by using our brick effect render, stone effect render or dash finishes.

To ensure the right type of SEWI system is specified companies may offer a comprehensive technical service for each stage of the refurbishment project, from initial concept through to completion. This can include design and feasibility proposals, detailed analysis of the structure to determine the optimum method for fixing the SEWI panels, full specifications, structural calculations for the overall stability of the structure (provided as submissions for building control approval) and thermal calculations.

enq.219

Swisslab External Wall Insulation used for challenging refurbishment



Alumasc Swisslab External Insulation system has been used at Park Road Flats in West Lothian, as part of a £1.2 million refurbishment programme. The refurbishment was required in order to bring the properties up to Scottish Housing Quality Standards and also included a range of other improvements such as window replacement and lighting systems. The Park Road Flats were suffering from issues with cold, condensation and mould. In addition, many residents were experiencing higher energy bills due to a lack of insulation. There were also issues with the existing structural ties, which had become rotten over time. To combat the challenges of the project 1,500m² of Alumasc's Swisslab, was installed by Alumasc Registered Contractor CCG, to all four elevations on each of the three blocks, using 70mm Expanded Polystyrene (EPS) Insulation. To finish the project and provide further protection, the buildings were finished with Alumasc's Silkolitt 1.5mm silicone render in white. Silkolitt is a breathable and very low maintenance silicone topcoat which is essential to allow the buildings' internal vapour to escape and provide an attractive solution with minimal upkeep. By utilising Alumasc's Swisslab EWI, the residents now benefit from warmer and more energy efficient homes – with an achieved U-value reduction from 1.4 W/m²k to 0.25 W/m²k. In addition, the external aesthetics of the properties has been vastly improved.

enq.220



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enq.221

Kingspan Insulation reaches new heights



Premium performance insulation from **Kingspan Insulation** has been used in the £3.5 million refurbishment of the four 10-storey tower blocks in Dundee known as Dryburgh Gardens. The Kingspan Kooltherm Internal Wall Insulation System that was selected for the job, required 82.5mm and 32.5mm

Kingspan Kooltherm K18 Insulated Plasterboard to be installed on a new timber batten frame to the inside of all external walls, while all internal partition walls were lined with 32.5mm Kingspan Kooltherm K18 Insulated Plasterboard. 25mm Kingspan Kooltherm K10 Soffit Board was also applied to the ceiling to provide the maximum insulation values to each individual room.

01544 387 384 www.kingspaninsulation.co.uk

enq.222

Energy saving refurbishment with Remmers



The listed 19th Century former Schoolhouse overlooking the Dublin mountains was renovated and extended to create a new energy efficient residential family home. So that the exterior facade of the existing property was not altered in any way,

internal insulation was installed to the interior of the stone walls of the original house. Due to the build up of condensation behind conventional insulation when applied to single leaf construction, it became apparent that a "breathable insulation system" would be required. **Remmers IQ Therm** was chosen as it has the highest level of insulation for given thickness of breathable systems. The original U-value of the wall was approx 3.3W/m²K and was improved to 0.33W/m²K.

01293 594010 www.remmers.co.uk

enq.224

ISO-Chemie ISO-EWI SEALING SYSTEM



Fast and secure sealing of various thermal insulation composite systems to building openings and projections is provided by the new ISO-EWI SEALING SYSTEM from **ISO-Chemie**. The ISO-EWI SEALING SYSTEM can be used by installers to provide rapid,

high performance and enhanced energy saving insulation sealing solutions for a variety of external insulation systems around the windows and doors as well as roof and wall base areas. The system features a combination of materials which can be mixed and matched to suit the individual installation. ISO-EWI SEALING SYSTEM offers compliance with various standards including DIN 4108-7 and EnEV 2014, for energy efficiency.

01207 56 68 67 www.iso-chemie.co.uk

enq.223

Return on Investment over 4000 per cent



New independent research has shown that Kingspan Kooltherm wall insulation solutions can deliver an overwhelming Return on Investment (ROI) when installed in commercial properties. The solutions offer superior thermal performance with a thinner profile, allowing valuable useable floor area to be maximised within the designed building footprint. As a result, ROI's

of over 4000 per cent can be achieved on the product cost, when compared with other common insulation solutions. A summary paper can be freely accessed on the **Kingspan Insulation** website. The full report can also be downloaded.

01544 387 384

www.kingspaninsulation.co.uk/realvalueofspace

enq.225

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enq.226

Admiral fly the flag with Kingspan



The new Cardiff HQ of insurance giants Admiral has achieved a BREEAM 'Excellent' rating, thanks in part to the outstanding performance provided by Kooltherm FM Pipe Insulation from **Kingspan Industrial Insulation Ltd.** To help meet the BREEAM 'Excellent' rating, over 15,000 lm of Kingspan's Kooltherm FM Pipe Insulation was specified. Kooltherm FM Pipe Insulation is suitable for pipework and equipment operating in a temperature range of between -50°C to +110°C and offers industry leading performance, with thermal conductivities as low as 0.025 W/m.K. It is the only pipe insulation to hold a national LABC Warranty and LABC Registered Detail. It is also available as a freely downloadable BIM object.

01544 388601 www.kingspaninsulation.co.uk

enq.227

JS Air Curtains are blooming at garden centre



The company's quick response and cost effective products made **JS Air Curtains** the ideal retrofit choice to protect the customers from chilly drafts at Cannon Hall Garden Centre, located in the picturesque village of Cawthorne in South Yorkshire.

Seeking a retrofit solution, Cannon Hall Garden Centre's owner, Deborah Robinson, approached a number of companies and was impressed by the speedy response of JS Air Curtains, who suggested a cost effective and attractive Mini Optima. Offered in several lengths, the Mini Optima air curtain is available as a single or three-phase unit, making installation simple. Heating can be via LPHW or an electric heater, as in the case of Cannon Hall, and it is also available as an air only model.

enq.228

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enq.229

College swaps big bills for biomass



Natural energy supplier, **Euroheat** is helping the UK's leading agricultural and sports college save an impressive 400,000 kg of carbon per year by making the switch to biomass technology in a bid to reduce its annual £800,000 energy bill, while receiving Renewable Heat Incentive (RHI) payments of just under £80,000 per year! Simon Holden, co-founder of Euroheat, explained: "We're delighted the college is now reaping huge benefits by opting for a biomass district heating system. We have installed four Euroheat prefabricated Energy Cabins, each containing a 199kW HDG Compact wood pellet boiler, integrated 14 tonne pellet store and 4000 litre accumulator."

01885 491112 www.euroheat.co.uk

enq.230

WILO Yonos-PICO still in high demand



It's not surprising that the **Wilo Yonos-PICO** high efficiency small circulating pump is still in high demand. This small pump and its partner in crime, the Wilo Yonos-MAXO continue to take market share and provide the reliability and energy savings that specifiers are looking for when they choose it above the competition. And as with all the Wilo small circulators, it's ErP compliant. There's loads more information on these and other Wilo pump solutions available by tapping in www.wilo.co.uk.

01283 523 000 www.wilo.co.uk

enq.231



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Sustainable flexible cooling for MAF Properties



The headquarters of Majid Al Futtaim Properties is the first existing building in the UAE to be LEED EBOM Gold rated, with the AET Flexible Space Under Floor Air Conditioning system playing a major part in achieving flexibility and occupant comfort. The 10,000m² tower is served

by an AET CAM-V system; supply conditioned air via the floor plenum and receiving spent air at high level offering maximum flexibility to occupying tenants. The tower has a total of 45 zones served by the AET CAM-V downflow units and nearly 5,000 recessed fan terminals which supply conditioned air into the workspace. MAF Properties commented on the good year round performance: "It is the flexibility of the system, however, that saved us both time and money."

01342 310400 www.flexiblespace.com

enq.233

Johnson & Starley solution for renovation



Johnson & Starley's WarmCair warm air heating, Aquastar hot water storage and Home 'n Dry ventilation technology have been combined to maximum effect in Mr & Mrs Fisher's spectacularly renovated historic apartment in Penarth. Originally, electric underfloor heating had been installed to heat the apartment, but it had soon become apparent that this was inadequate to provide sufficient heating for the living space with its very high ceilings. The solution was the installation of a Johnson & Starley WarmCair C20DW high efficiency combined warm air condensing heater with domestic hot water. Although the underfloor heating has been retained, it is no longer required. Only the fully Building Regulations Part L compliant, the WarmCair C20DW is now used.

01604 762 881 www.johnsonandstarley.co.uk

enq.235

Contour Casings takes a lead role



An innovative antimicrobial coating agent has succeeded in wiping out almost all bacteria that are usually present in classrooms, according to the results of a recent trial. Contour Casings, a leading manufacturer of LST radiators and radiator guards, and a long standing BioCote®

partner, was a lead participant in the study. All Contour LST radiator guards – a product of choice for many education sector specifiers – incorporate the BioCote coating in their 'final finish' as standard. This coating remains effective for the lifetime of the guards. Lower incidence of microbes exposes children to fewer avoidable illnesses, helping to reduce school absenteeism.

01952 290 498 www.contourcasings.co.uk

enq.234

RWC UK Joins the BIM Revolution



As a company always at the forefront of the plumbing and heating industry, Reliance Worldwide Corporation (UK) Ltd (RWC UK) is leading the way with BIM to provide Architects and Specifiers with easy access to BIM objects for products within the Reliance Water Controls range.

BIM utilises the latest 3D modelling and information management system to provide a standardised system bringing together all of the information about every component of a building, in one place and permits integration of different aspects of the design more effectively. Eric Winter, technical director, comments: "RWC UK is keen to support the latest industry initiatives." A range of Reliance Water Controls BIM objects can be downloaded for free via www.bimstore.co.uk.

01386 712400 www.rwc.co.uk

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Interflow UK has 25 years' experience in supplying and installing rugged and reliable solutions for sealing utility service entries, air cleaning and filtering together with stainless steel in-floor drainage. Interflow UK are the sole distributor of a specialist range of products for the built environment. Sealing systems for utility ducts from leading manufacturer DOYMA are complimented by the

famous puddle flanges from FRANK, the shear-tolerant solution from Konex and the no-site-work-required, integral puddle flanged drain fittings from HKD. Interflow also supplies GIF ActiveVent, PlasmaNorm, Desinfinator and W.E.T.. A breakdown of the full product range can be found on the website.

01952 510050 www.interflow.co.uk

enq.238

Finance package helps HQ building services



Leading cloud-based software company **Software Europe** has marked its 25th anniversary with an overhaul of the building services at its Lincoln headquarters thanks to a new, financed package from **Mitsubishi Electric**. The company took advantage of MELFinance to avoid burdening its

cash flow with the up-front cost of the project. Business Support Assistant Fiona Jenks says "We felt the finance terms were good. When we compared the terms to a loan, it didn't beat the quote we had from MELFinance. It will pay for itself really. Plus you can't put a price on happy employees either!"

01707 282880

www.livingenvironmentalsystems.mitsubishielectric.co.uk

enq.239

Polypipe Ventilation achieves awards hat trick



For the third time, **Polypipe Ventilation** is delighted to have been successful at the Housebuilder Product Awards 2015, this year winning the coveted Best Services Product award with its Domus Radial Duct System. The winners were announced at a ceremony which took place at

Edgbaston Stadium, Birmingham on 25 June, where Domus Radial (patents pending) was recognised as outstanding by the judges for its highly innovative design that delivers increased air flow, easier installation and commissioning and a quieter whole house system. Neil Tilsley, Managing Director of Polypipe Ventilation, commented: "These achievements are testament to the company's dedication to developing truly innovative, specifiable solutions".

enq.240

Traditional design, modern style



Vintage is a brand new addition to **Solus Ceramics'** extensive Wall Collection, and offers a glossy, crackled glazed and colourful finish for architects and designers.

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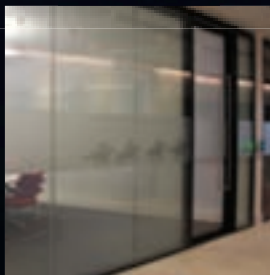
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enq.243

New Glasgow Hospitals rigged for thermal disinfection



Scotland's largest hospital, South Glasgow University Hospital and Glasgow's Royal Hospital for Sick Children opened in early May. By June's end, the transfer of patients, staff and equipment from four ageing hospitals across the city should be complete. Estates staff can then settle into a regime of planned cleaning and maintenance to keep the hospitals looking new and infection free. **Horne Engineering Ltd** has supplied over 2,500 Optitherm clinical taps into the project, installed over hand-wash basins, sluice troughs and theatre scrub troughs. A significant feature that contributed to selection of the Optitherm by NHS Greater Glasgow and Clyde is its modular design, which allows for an easy, phased installation that spreads cost but also simplifies routine maintenance – conducted in the workshop, rather than in patient areas. With over 1,100 single rooms in the adult hospital this means minimal intrusion for patients and reduced disruption for healthcare workers by avoiding down-time of hand-wash stations. Horne worked closely with the Maintenance team to improve their efficiencies; developing bespoke units for safely and quickly transferring multiple Optitherm taps from ward to workshop, test benches and a specialist rig for thermally disinfecting multiple Optitherm taps to control waterborne pathogens. More at <http://goo.gl/QV7NYY>

01505 321455 www.horne.co.uk

enq.244

Nice and easy with Marshall-Tufflex's Twin 165 trunking

Marshall-Tufflex's Twin 165 CAT 6 compliant trunking system had no trouble impressing both the head teacher of Ormiston Victory Academy and the Dodd Group's project team of its specification merits for the academy's new purpose-built building in Norwich. "It ticked all the boxes and that of our client," said Alan Hensby of Dodd Group Eastern, electrical and mechanical contractor for the project. "As a trust, Ormiston Victory Academy took an active role in selecting products for the new school building, which included looking at samples." Teresa Smith, director of Finance and Operations, Ormiston Victory Academy, was the project manager for the new building and heavily involved in the selection process of the materials used: "Dodd's provided us with a number of examples of trunking and we were very clear that we needed a product that was robust, tamper-proof and cost effective. Equally, I wanted the trunking to look part of the room and work with our decor. Marshall-Tufflex's Twin 165 trunking was selected for all of these reasons and we are delighted with our choice. We are incredibly proud of our new building and state-of-the-art facilities," she said. Some 284 lengths of Twin 165 in white with grey lids to meet DDA requirements were installed within the new academy building. The enlarged school now accommodates 1,250 students.

01424 856610 www.marshall-tufflex.com



enq.245

Rada provides thermostatic control



Rada, the experts in commercial showering and washroom controls, are set to install a comprehensive range of thermostatic clinical taps at a newly rebuilt hospital in the North West. Market-leading Safetherm TMV3 approved thermostatic clinical mixer taps featuring Insutech technology and Thermostat thermostatic mixing taps will be installed at Wrightington Hospital, a centre of orthopaedic surgery.

Rada's Safetherm range is ideally suited to a hospital environment where it is essential to regulate water temperature to a safe level for use in sensitive clinical scenarios. A key benefit of Safetherm clinical mixer taps is the incorporated Insutech+ technology, which reduces surface temperatures to a safe level.

0844 571 1777 www.radacontrols.com

enq.246

Polysafe PUR brings smiles all round



Polyflor vinyl safety flooring from the high performance Polysafe Verona PUR range gave a fresh new look to Midland Orthodontics dental practice in Sutton Coldfield recently. Polysafe Verona was specified for the project as the specialist orthodontic practice required a safe, easy to clean and attractive floor covering

that would provide underfoot slip resistance for patients and employees, creating a professional look that complemented the existing decor. The pale blue Skyline 5205 shade was chosen from the subtle and appealing colour palette available in the Verona range to create the desired crisp, clean look.

0161 767 1111 www.polyflor.com

enq.247

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Polyflor celebrated as top green manufacturer



Vinyl flooring manufacturer **Polyflor** was recognised for its green credentials when it received the prize for Green/Sustainable Manufacturer of the Year at Insider's Made in the North West awards recently. Polyflor was chosen because of the company's long term commitment to sustainability and responsible sourcing of materials. ISO 9001 and 14001 certificated Polyflor has successfully reduced its carbon footprint through plant operations and logistics, as well as collecting rain water on site so that 96 per cent of the water used in its vinyl manufacturing processes is recycled. Polyflor is also the only flooring manufacturer to achieve BES 6001 certification for responsible sourcing, gaining a Very Good rating.

0161 767 1111 www.polyflor.com

enq.249

Architects Datafile website



The Architects Datafile (ADF) website is an online provider of past and present products and news items for the architect or specifier. architectsdatafile.co.uk is a one-stop source for all the latest press releases providing any visitor with access to information about products and services that they may require. From the website, you can find links to digital issues that have live links to advertisers' sites, as well as daily email alerts to keep you as informed as possible.

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Strebord fire door still fit for purpose a million openings later!



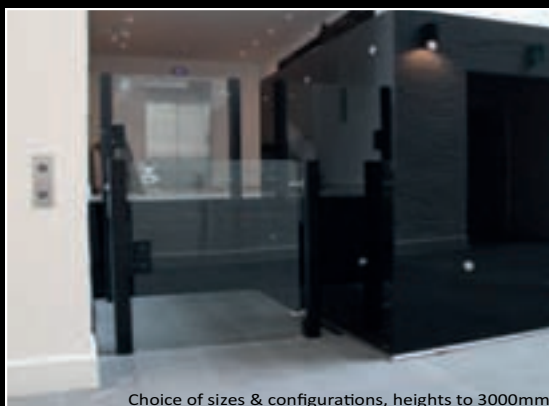
Falcon Panel Products has recently added to the wealth of certification it holds for its Strebord product range by achieving certification under the BM TRADA Q-Mark 'Enhanced Lifetime Performance of Doors' certification scheme. As part of the certification process, the Strebord product was subjected to a one million cycle test successfully achieving a class 8 performance under the standard. This achievement once again demonstrates the durability of Strebord. Key ironmongery elements used for the cycle test included a Winkhaus AV2 lock. This piece of hardware which is capable of meeting the requirements of 'Secured by Design' excelled when put to the test, clearly demonstrating its life cycle performance within a Strebord door core. The test was conducted with Falcon's standard 44mm core, whilst the fixings utilised were all as boxed and the leaf was produced by a third party manufacturer who produced the doorset to their standard production procedures. Mark Percival of Falcon Panel Products comments: "By adding this extension to the Strebord scope and adding the BM TRADA Q-Mark Enhanced Lifetime Performance certification we are demonstrating to the market the strength and durability of the Strebord product and reinforcing its position as a market leading brand."

sales@falconpp.co.uk www.falconpp.co.uk

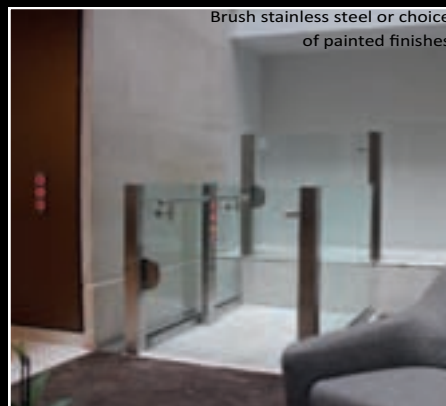
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Plumis Automist facilitates conversion of Art Deco houses



Plumis Automist has been used to provide an innovative fire safety solution for the conversion of a stunning collection of Art Deco houses in Twickenham, midway between the River Thames and Twickenham stadium. The architects, ABA Group of Sunbury on Thames, were keen to preserve the period features while achieving the contemporary design they envisaged. The 8 2-bedroom apartments all comprised a large, open plan reception room opening onto a kitchen and 2 big double bedrooms. There was no separate lobby to protect the escape route.

ABA Group Ltd were aware that Twickenham Borough Building Control officers would object to the layout unless a means could be found to provide fire protection but they were very anxious that the solution did not compromise the high-specification design of the apartments. They discovered Automist while searching for a solution online and called in Bracknell-based Vapourmist, the accredited installers for the system who readily specified units to provide complete protection from the risk of fire throughout the apartments.

Automist gave ABA Group a number of active fire protection options to protect the escape routes and aid evacuation for a fraction of the cost of a traditional sprinkler system. Patrick Amos, ABA's director was pleased with Vapourmist's recommendation: "Automist gave us complete design flexibility and was simple to install as it could be connected to the domestic water supply. Because it requires much less water than traditional

sprinklers, there are great practical advantages in the event of a fire because run off would be minimised and the high-specification fixtures and fittings would not be in danger of being drenched as would be the case with sprinklers. We will definitely consider the use of Automist in similar designs in the future."

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Letts Swimming Pools



Making a dream reality

The fundamentals of pool design

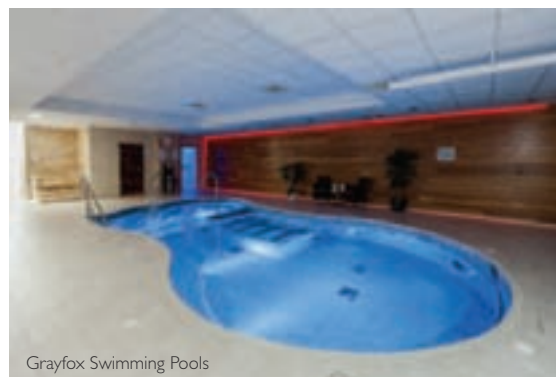
Creating harmony in our lives is every person's desire, and with our ever increasing busy lifestyles, adding the pleasure of water at home can provide the dream lifestyle and that ultimate feeling of paradise!

The design of a swimming pool (indoors or outdoors) will materially depend on the requirements of the potential pool owner and the use to which the pool is going to be put. If the requirement is to use the pool for exercise, then the length measurement is all-important (although a counter current unit can often be installed to reduce the size of the pool). If the pool is to be constructed in a building, the width is important (as the width of the pool will determine the width of the building, including the pool surround to walk on). The construction cost of the width of the building is much more expensive than the length, due to the span over the void below.

The design process can be made easier by working with a member of the Swimming Pool and Allied Trades Association (SPATA). Whether you have (or have not) worked on a pool project before, the expert advice and assistance in the design process that you will get from working with a SPATA member can help in numerous ways to not only streamline the project, but ensure that the timescales and budgets are met with the overall assurance of quality from using a SPATA member. Some

SPATA members are designers and some undertake the whole project, but ensure that whoever you work with has Professional Indemnity (PI) insurance. Consideration to relevant pool standards is a must, both for commercial and domestic pools and SPATA members work to SPATA Standards (which take into account or signpost other relevant standards).

Continued overleaf..



Grayfox Swimming Pools

'It makes great business sense for construction and architectural professionals to partner up with companies who are members of SPATA'



Portrait Pools & Enclosures

Creative Freedom

For many years, it has been the norm that the rectangular proportions of 2:1 for length to width provides a good visual balance and appearance and is ideal for exercise. Depending on space availability, the length can be extended and the width reduced. As this shape is relatively simple to construct and therefore relatively cheaper than curved structures, it is also very popular!

Once the decision is made to go away from a rectangular or square shape, the variations in shapes are endless. For example, some clients (and architects) want something unique and personalised, such as a pool in the shape of a guitar, grand piano, 'figure of eight'; L shaped, kidney shaped, Y shaped, kite shaped, pools incorporating spas, fountains and water falls.

Access to the pool will also depend on the use. For example, a Roman end step feature in the width of the pool may preclude the swimmer from easily turning and, therefore, a ladder (or ladders) may be more appropriate. Alternatively, if space permits, a side step bay may be the answer.

In terms of safety and usage, there may be equipment that needs to be factored in from the offset. Planning and building these features in will help retain the aesthetics of the pool that could be lost by ad hoc additions at a later date. Again, the shape and positioning of the pool is a factor that could affect these added features.

The only way to illuminate the pool water is to have under-water flood lighting. Lighting around and outside the pool will not illuminate under the water. Equally fibre-optics and small, spa type lights are excellent for illuminating steps under water or providing a light feature, but not full illumination.

The decision to incorporate a swimming pool or spa into your build project can be made easier by talking to

wet leisure industry experts exhibiting at the 2016 SPATEX Pool, Spa & Wellness Show. Now in its 20th year, the number one wet leisure show SPATEX, runs from Sunday 31 January to Tuesday 2 February 2016 at the Jaguar exhibition hall, at the Ricoh Arena, Coventry. Register free online today at www.spatex.co.uk.

With so many pool design options available, it makes great business sense for construction and architectural professionals to partner up with companies who are members of SPATA, promoting industry standards, working to a Code of Ethics and offering invaluable experience in the wet leisure field.

To find out more about SPATA and its members visit www.spata.co.uk.



Tanby Pools



Innovative decking offers style and safety

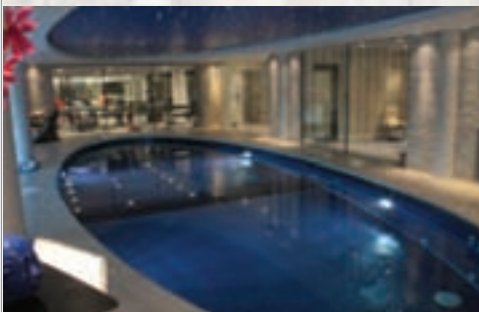
A major extension for the award-winning Titanic Spa includes an outdoor sunken hot tub boasting innovative decking with built-in drainage. **Gripsure Aquadeck™** was created by Gripsure, one of the UK's leading suppliers of non-slip decking. Gripsure Aquadeck™ is a timber board that allows water to permeate through to the water course below. This provides a way of controlling water run-off and, thanks to its non-slip design, remains safe in wet conditions. Its soft surface makes it ideal for barefoot use. Warrick Burton, Managing Director of Titanic Spa, said: "Gripsure instantly understood our ethos and plans. The decking is practical and blends well with the design of the new outdoor hot tub." Gripsure Managing Director Mike Nicholson said: "We are pleased to have been able to offer Titanic Spa non-slip timber decking that is not only safe for its guests but is also attractive to look at. One of the benefits of this decking is that we can produce it in any colour. This means we were able to provide a design that blends perfectly with Titanic Spa's colour scheme. "Aquadeck" fits well with the Spa's ethos of offering the very best care and using the highest quality products and facilities."

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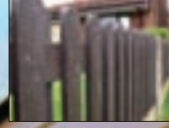
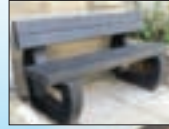
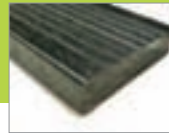
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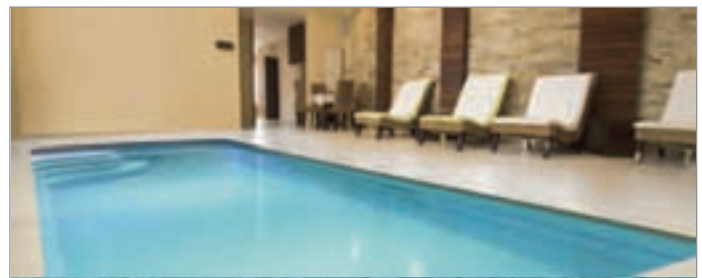
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James Latham is offering two exciting new composite decking materials for summer 2015 that promise to bring style, functionality and flair to any outdoor space. Made in the USA and virtually maintenance free, the UPM ProFi Deck range is backed by a 25-year manufacturer's guarantee. Plus, it's non-porous, so unlike with wood and many other types of composite decking, wine, oil and other liquid spills are not readily absorbed and can be easily cleaned, ensuring that once created, your design will continue to look great for years to come. Available in eight fresh and modern colours, all inspired by nature, UPM ProFi Design Deck is perfect for creating a distinctive and stunning outdoor area either in a residential or commercial setting. Also available is UPM ProFi Classic Deck which is offered in five colours: dark Walnut, golden Tigerwood, sun-bleached Desert Sand, Cape Cod Grey and Veranda Brazilian Walnut.

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Micronized technology helps preserve timber



Industrial wood preservative specialists, **Koppers**, has extended its revolutionary micronized copper treatment range, MicroPro – the leading wood preservative technology. Exhibiting a lighter colour, especially when compared to alternative copper based treated timber products, MicroPro allows

contractors to build with a timber material that is more natural looking in its appearance. Traditional methods of getting copper into timber involve dissolving the copper in a solvent, but Koppers' MicroPro technology is different; it does not use organic solvents. Instead, it uses micronizing technology that grinds the copper particles so small that they can easily penetrate the wood in solid form.

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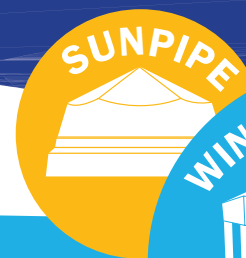
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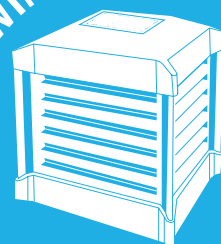
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