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Turning Dreams into Reality

Issue 61 £4.99



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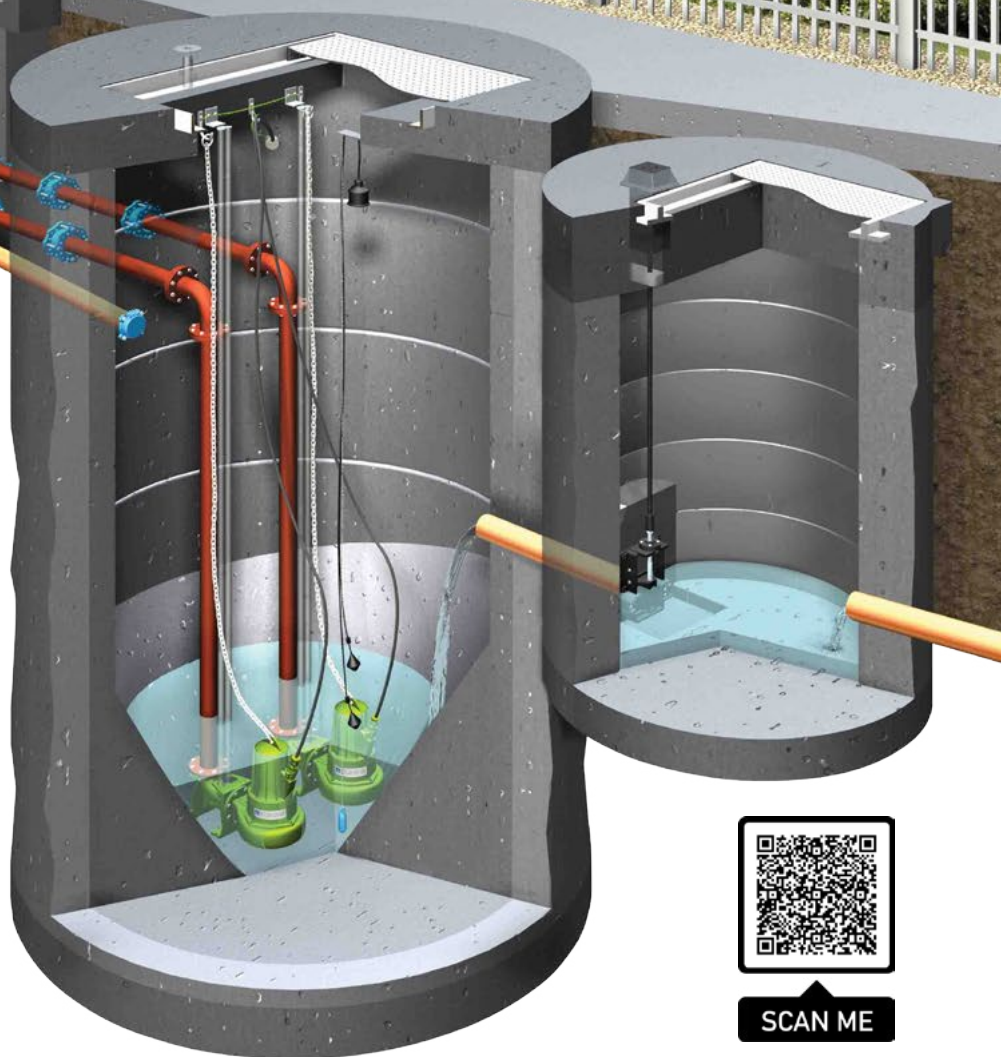
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ARCHETECH

Turning Dreams into Reality

The Archetech magazine is an insightful information source for Architects, Architectural Technologists and Interior Designers. We feature lead stories on current projects, industry news and case studies so that our readers have the opportunity to keep up to date in the ever changing world of architecture and design.

Archetech offers architectural and design services to all those who are initiating, planning and implementing projects. Whether you're an interior designer, architect, technologist, developer or builder who is searching for inspiration for the next project, Archetech hosts the latest products, case studies and services to meet those needs.

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If you've recently finished a project, conversion or renovation, why not submit it to our Editor in Chief for a chance to be featured in our next issue! Email antony@archetech-media.co.uk with details of your latest project.

Visit: www.archetech.org.uk/subscribe



A MODERN OFFICE SPACE

SHH DESIGNS NEW OFFICE PREMISES FOR KWG BIOVALLEY, IN SHANGHAI

SHH has been commissioned to create modern interior spaces for KWG BIOVALLEY, a medical research and development centre in Qingpu, Shanghai. The research centre is part of a new commercial park for 'Health and Innovation' in Qingpu district and specialises in pioneering medical technologies including stem cell technology as well as traditional Chinese medicine. The two different medical methods come together on site and are reflected in the contrasts between technology and tradition, architecture and natural landscapes.

The new commercial park consists of five office towers linked by a retail podium along with eleven low-rise buildings bordered by green zones with access to a recreational promenade along the adjacent canals that connect to the Yangtze river.



“

The lobby and lift areas are bright and minimal, with granite tiled flooring, natural stone lined walls and discreet green touches.



The brief is to deliver a series of lobbies, contemporary work areas, executive meeting rooms, open-plan workspaces and public spaces across the five towers. The design marries Western influences and natural materials to create visual connections with the surrounding landscape. The interior colour palette and materials draw inspiration from the Five Elements theory of traditional Chinese medicine: water; wood; fire; earth; and metal.

The design language of natural materials is consistent across all areas. The lobby and lift areas are bright and minimal, with granite tiled flooring, natural stone lined walls and discreet green touches. Oak timber panels, stone and full height metal fins line the main lobby walls creating strong visual connections with the building's façade while in the adjacent lift area dark bronze panels wrap the walls and ceiling creating a strong contrast and depth within the space. Brendan Heath Director Hospitality & Commercial Interiors says: "We designed a range of different zones to accommodate meetings, focussed work, team collaboration and socialising."





The interior palette is a nod to the natural landscape outside and the resulting design reflects local cultures while celebrating Western influences."

The reception, lounge and open plan office spaces are designed to flow into each other whilst creating their own distinct zones. Full height metal-frame screens and open shelving are introduced to create permeable space divisions and circulation paths while allowing ample daylight to enter throughout the day. The open-plan reception and waiting area feature embossed mirror polished metal panels, their ripple patterning creating connections with the water element of the canals. Smaller built volumes including a pantry and private meeting rooms have been positioned around the perimeter of the office floor and break up the clusters of open-plan space.

A private wing for a company president has also been designed by SHH and is in keeping with the overall design concept, featuring large timber boxes, expressions of metal, and stone finishes. The private wing offers exclusive office and leisure facilities including a gym and dining areas. It also accommodates the president's private bedroom and bathroom as well as smaller private workspaces, a secondary reception lounge and a refined timber-wrapped tea room with bespoke joinery. The intention is to create a comfortable and functional environment which accommodates work and a home feel.

@SHHArchitects / www.shh.co.uk

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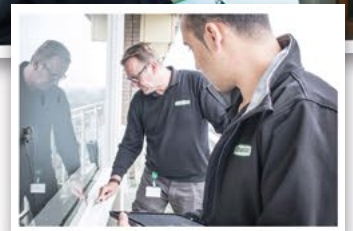
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REVOLUTIONARY CONSTRUCTION SYSTEM

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AQUACAST W BLOCKS DESIGN CONSTRUCTION TECHNOLOGY, IS BOTH INGENIOUS AND VERSATILE

Aquacast International a company registered in England, Wales and the IOM, has developed and patented a revolutionary construction Technology.

The Aquacast Technology uses a W-shape design interlocking concrete blocks, the prime uses of the w-blocks are retaining walls for a wide range of construction applications.

Example of such applications are, Flood and Sea defence as well as marine harbour and jetty formation, land erosion and reclamation.

The slots in the W-blocks design, forms instant uniformly pitched holes, when reversed in polarity during construction.

These uniformly pitched holes offer a unique option of filling or piling depending on applications requirement.

The blocks interlock by gravitational wight and friction, the uniformly formed holes can be either filled or piled, a useful concept as an alternative method to sheet piling. The unique piling or steel pinning option ,can be used to support defected weak structures such as sea defence walls, subsided buildings, collapsed roads and halt landslides .

Because of the pre-cast nature and flexibility of this design, combined with that of the latest piling or steel pinning technology, precise and accurate location of the units is facilitated. Therefore, time wastage and use of materials is minimised.

DEMOUNTABLE CONSTRUCTION:

Most concrete structures are built on a permanent basis, this is mainly due to both the lack of choice and options. If changes such as design alteration, locations, formations or heights are needed, the structure is either demolished or modified at an extra cost resulting in wastage of time and material.

This is not the case with Aquacast structures, the flexibility of design provides structures the options of been both demountable or left as permanent i.e structures can be either left as permanent or dismantled to be modified or re-assembled in other locations. Such options give contractors the freedom and flexibility of changes without incurring extra costs with considerable savings in both time and material and without any detrimental effects to the environment.



RETAINING WALLS FOR SEA, FLOOD AND LAND SLIDE DEFENCES:

Aquacast construction rate at 20 min / Sq M, is extremely fast, it is considered to be the ideal solution to rapidly solve problems of, sea erosion and floods, collapsed roads, land slide erosion or burst river embankments, it is the fastest concept in case of emergencies where time is an important factor in saving lives. Beside its flexible application uses, the extra unique piling option provides structures the extra strength and rigidity to withstand erosion and resist turnover forces.

The Aquacast w blocks system, has been recently successfully tried and tested in a sea land reclamation project, the walls were built directly in water without excavating foundations or mixing concrete. The W-blocks dry clean construction can be adjusted to all ground levels both on dry land or in water-logged areas without contaminating water.

Manufacturing: The w blocks are globally manufactured under licence.

For the UK market Southern regions, **Poundfield Precast LTD**, manufactures the cement free ultra-low carbon W-blocks, using wet casting textured finish process and currently stocks are available on demand.

For the UK market Northern regions, **Breeden Concrete Ltd**, manufactures the aggregate finish machine casted W-blocks with production capacity 5000 w blocks a day.



Design and Specification: Aquacast International can provide design and recommendations, however, we have also appointed authorised Consulting Engineers throughout the UK to provide design and calculation if required.

Installers: Aquacast International have appointed and approved several international construction companies to act as our authorised installers for the UK market, the Authorised installers have years of experience in the water and erosion fields, example of such installers are, **Miles Water Engineering LTD, Land and Water LTD, JT Mackley & Co Ltd, Bam Nuttall** and **Jackson** within the UK.

The Aquacast new construction technology, has been proven with 100% successful project achievement, it is backed by several testimonials from all in the field of the construction industry. Its unique options of versatile applications, demountable or permanent, environmentally friendly clean dry precast construction, compliments habitation, and with the added extra of been newly available in ultra-low carbon cement free material, must presents itself as the best choice for the environment in the construction industry.

Enquiries: All Enquiries are conducted by with Aquacast international

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WAVE ONE

FIRST OF FIVE BUILDINGS PLANNED FOR THE ECR COMPLEX IN Sopot, POLAND

Wave One, of the European Center for Families, is located 400 meters from the Baltic Sea in what is historically known as a health resort town. The concept is derived from the complexity of sea waves and the local vernacular of carved ornamental detailing on facade elements. Drawing upon this, the architects created a site concept composed of five inter-related buildings, reminiscent of waves. Wave One, the first to be built after a lengthy design and construction process, encompasses specialized medical laboratories, including SARS-CoV-2 testing labs, a research & development center, and administration spaces.

FORM

The white perforated facade, enfolding Wave One, was partly inspired by a series of photographs by Pierre Carreau, titled AquaViva. The architects analyzed the geometric complexity of the sea waves captured by the photographer. The arched 3D forms, frozen in time, were translated into an architectural language that shaped the building's final form. With 1,362 perforated triangular panels, the facade, just like a wave, bends at its crest, the top of the building.

The perforated panels are a symbolic gesture referencing:

- 1) the local tradition of placing ornamental details carved in wood on building facades, and
- 2) flower of life, an ancient motif credited with healing powers, befitting the healthcare function of the investment.

The perforations made it possible to elicit an airiness and dissipation of the building in space, particularly visible in the upper realm of the facade.

The East/West elevations take on 3D form, with triangular panels of sintered white ceramics skewing and reflecting sunlight onto the pavement. They create a transient detail, enlivening the immediate surroundings of the building.

Equally, curvature - a reference to the concavity of a sea wave - inspired the shape of the building mass. The amply curved canopy over the South entrance was digitally 3D modelled by the architects, and was then submitted to the local contractors for the preparation of one-to-one mock-ups. Adjustments were made on-site in order to create a seamless union with adjacent panels, and to ensure the fluidity of the perforated pattern. This was a painstaking task, given that curvature and deviation from the vertical are along both axes of the facade, not excluding the additional presence of operable shutters.

FUNCTION PER FLOOR

Below ground: cold and reagent stores, server, and technical rooms.

Ground floor: lobby, collection point, medical analytical laboratory



with fully automated medical laboratory equipment based on robotic sorting lines.

First floor: molecular biology laboratory carrying out research in the field of genetics. Cytology, cytogenetics, and virological laboratory is adjacent.

Second floor: research and development center. This center also creates specialized software to streamline implementation and increase accessibility of medical procedures. The software is based on artificial intelligence and machine learning technologies.

Third floor: Investor headquarters and offices intended for the development of research projects.

Terrace: divided into technical and recreational spaces by an acoustically insulating wall. The recreational terrace is available to all employees and provides work place well-being and a visual connection to the Baltic Sea.

Due to the difficult situation in 2020 (availability of testing facilities), a decision was made during construction to convert part of the space into a SARS-CoV-2 diagnostics lab. This laboratory continues to be used to determine new types of mutations. A vaccination point was organized in the building and is used by the inhabitants of Sopot.



Those who live by the sea can hardly form a single thought of which the sea would not be part. — Hermann Broch

IMPACT

The ecological solutions selected for the project result directly from local conditions and respond to the actual demand determined by the function of the building. Due to the difficult construction conditions of Lower Sopot, including flooding, high groundwater levels, and the presence of non-bearing soil, the site remained undeveloped for years.

HEAT MANAGEMENT

In a facility with such a high saturation of technological equipment, many of which have to work 24 hours a day, it is very important to protect the rooms from overheating. Overly high temperatures inside the building not only cause discomfort, but can also trigger a sudden shutdown of laboratory equipment. This, in turn, usually leads to the discontinuity of the analysis cycle, as well as the loss of the precious research material.

In order to avoid such threats, and to prevent enlarging the cooling systems, a number of passive solutions were used. For instance, the architects resigned from large glass surfaces. Instead, the surface area of the designed windows provides optimal natural lighting conditions for the laboratory rooms. The largest room, in which the technological line generating the greatest amount of heat was placed, is located on the North side.

Furthermore, the building façade consists of two layers. The outer layer of the facade acts as a continuous protective barrier over the building, shielding the exterior wall from heating up, and thus preventing the interior rooms from overheating. This barrier also has a positive effect on its surroundings and guards against urban heat island phenomenon.

RAIN WATER MANAGEMENT

Several solutions to rainwater management were introduced. An extensive rainwater retention system and buffer tank were installed. The water collection from the tank is used to flush the toilets, thereby limiting the use of water from the municipal network. Additionally, to avert rainwater contamination, external wooden elements were used that do not require chemical treatments.

ADAPTATION

The interiors, in particular the lab rooms, were designed to adapt to the frequent technological advances in medical diagnostic services that will inevitably be introduced in the future. As such, rooms where laboratory tests are performed inside closed automated lab devices have exposed ceiling installations. Partition walls in the laboratories are built in a way to ease their dismantling. The resin floor is easy to repair and supplement in the event of a room rearrangement. The structure of the building itself allows for the implementation of new system shafts and, in those already made, there is a reserve for new installations. A reserve was also left for the installation of new systems on the technical terrace. All of these procedures will significantly reduce the time needed to install new laboratory equipment in the future.

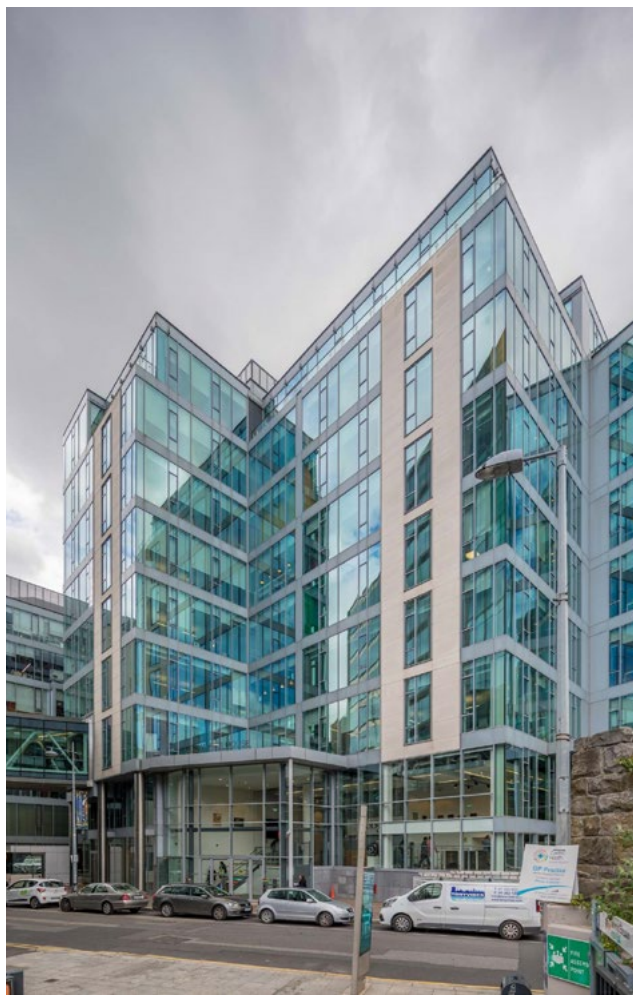
CONCLUSION

Construction continues on three out of five buildings planned for the site. The final building (Wave Three) is in the design phase. Once completed, the ECR complex of health care facilities will comprise: an outpatient hospital with an operating theatre, a treatment unit and an IVF laboratory (Wave Two), a specialist inpatient hospital with a gynecology and obstetrics profile, a delivery and neonatal unit (Wave Three), and a rehabilitation center including hyperbaric and cryo chambers (Wave Four&Five). Construction is expected to be completed in 2023.

faab.pl/en/



Photos: © FAAB, Photographer: Maciej Lulko



ALUPROF UK IN IRELAND

BY WOJCIECH BROŻYNA - MD OF ALUPROF UK

Since Aluprof's emergence onto the UK & Ireland market fifteen years ago offering a well established European portfolio of architectural aluminium systems, meeting and often exceeding the needs of specifiers, Ireland has welcomed Aluprof as a major systems supplier. But it's not just about well designed fenestration systems, the complete supply chain needs to back-up specifiers' expectations.



Aluprof's logistics provides weekly deliveries to Ireland from an extensive stock of aluminium systems and hardware located at their head office in Poland. Powder coating and thermal break facilities are all housed under the same roof allowing products to be finished to meet any specification. Aluprof also offers a fabrication service to support its network of fabricator installers across the region when required to meet programme expectations. Coupled with a physical 'on the ground' presence from Aluprof UK & Ireland's team of support technicians, this has quickly placed

the company in the region as a major systems supplier. Glazing fabricators and installers nationwide quickly appreciated the benefits of well designed, robust Aluprof systems and dedicated technical and customer backup. This cooperation grew into many strong, long-term relationships, carried out through difficult times during the 2008 economical downturn.

Over the following years, Aluprof has been and continues to be present on sites of national schemes like government decentralisation schemes or Department of Education school programmes, where a number of market or project based bespoke solutions are developed, for example, as used in the New headquarters for the Office of Public Works' in Trim, or the ongoing specification of Aluprof's thermally efficient window in new schools.

These well established and respected working relationships lead back to challenging specifications for UK projects such as developments within the London 2012 Olympic Village, where there was a need to develop some game-changing bespoke designs.



Having a strong presence in the Irish construction scene, this year, for the first time, Aluprof UK decided to sponsor the Irish Construction Excellence Awards 2022.

Among the many latest projects that have been completed in the Republic of Ireland, the headquarters of Microsoft, Twitter and Google, all play special roles as large scale office buildings that demand high-quality specifications in building components. Aluprof UK also boasts of being a provider of the aluminium windows and doors of the highest tower in Ireland, the Block D at Capital Docks development in Dublin.

Trinity College, another spectacular case study project, uses Aluprof MB-SR50N in an extensive roof complex which links two parts of the original college together forming an extensive atrium and open space. Right in the heart of the shopping district, a further project at Grafton Street sees a new store developed using Aluprof MB-SR50N finished in gold anodising with bespoke corner panels, all completed to a very high level of detail.

As large US multinational companies have made their home in Dublin, a location which is ideally located to springboard into the European market, one social media giant has recently moved into 1 Cumberland Place. Using an existing building, the structure has been fully refurbished with Aluprof's MB-SR50N OW facade system with large integrated parallel windows also provided by Aluprof.

Having a strong presence in the Irish construction scene, this year, for the first time, Aluprof UK decided to sponsor the Irish Construction Excellence Awards 2022. Located at the Convention Centre, Dublin, the 14th of May event, organised by the Irish Building Magazine, is always a construction highlight of the year for the Green Isle. As Gold Sponsor at the Gala Event, Aluprof offered awards in the best 'Commercial Under €15m' project and best 'Industrial Under €15m' project categories.

The awards, founded by the Irish Building Magazine in 1993, are generally known as the ICE Awards and are the original and premier recognition of performance excellence for the contracting sector in Ireland. The Gala Night is always attended by Ireland's elite construction professionals, where construction leaders, design and supply chain partners, and clients meet and celebrate construction excellence.

Currently with overseas growth further extending across Europe, into the Middle East and with firm roots already in the East of the USA, Aluprof continues to grow into a global player in facade supply. Further information about systems and specification support is available through the company's website at aluprof.co.uk or direct from their UK head office in Altrincham by phoning +44 (0) 161 941 4005.

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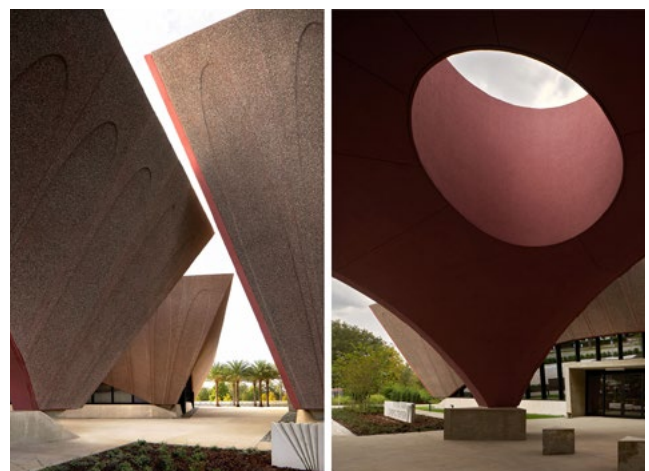
Ice cubes by Zone of Utopia + Mathieu Forest Architecte, Xinxiang, China, A+Awards Jury and Popular Choice Winner in the Architecture + Glass category, Popular Choice Winner in Cultural & Expo Centers category
Photo credit: ArchExist

WORLD'S BEST ARCHITECTURE 2022 ANNOUNCED

10TH ANNUAL A+AWARDS WINNERS HIGHLIGHTS A DECADE OF DESIGN INNOVATION

Architizer, the world's leading online platform for architecture, announces the winners of the 10th Annual Architizer A+Awards. Founded on the premise of democratizing architecture, the A+Awards is the industry's largest and most international awards program and honors the best architecture and spaces from across the globe.

To celebrate its 10th anniversary, this season's program was expanded to include the new "Firm of the Year" A+Awards, as well as introducing a diverse range of new jurors to help select the world's most innovative and impactful contemporary architecture. After an unprecedented number of submissions were reviewed by the jury and the global public, the latest collection of winners forms a vibrant celebration of outstanding design from throughout the past decade.



Winter Park Library & Events Center, Winter Park, Florida, U.S., by Adjaye Associates, A+Awards Jury Winner in the Libraries category
Photo credit: Dror Baldinger, FAIA

“

“The quality of the work featured this year was both astounding and inspiring.”

Firm of the Year Winners include:

- Zaha Hadid Architects (Jurors' Choice, Best Large Architecture Firm)
- Studio Toggle (Jurors' Choice, Best Architecture Firm in Africa and the Middle East, Popular Choice, Best Young Architecture Firm)
- Montalba Architects (Popular Choice, Best Architecture Firm in North America)
- NADAAA (Jurors' Choice, Best Public Projects Architecture Firm)
- Skidmore, Owings & Merrill (SOM) (Popular Choice, Best Sustainable Architecture Firm)
- Jonathan Burrow Architects (Jurors' Choice, Best Young Architecture Firm)

Project Winners include:

- Adjaye Associates (Winter Park Library & Events Center, Winter Park, Florida, U.S.)
- Neri&Hu Design and Research Office (The Relic Shelter - Fuzhou Teahouse, Fuzhou, China)
- General Architecture Collaborative (The Learning and Sports Center, Masoro Village, Rwanda)
- Henriquez Partners Architects (Pendrell, Vancouver, Canada)
- Kengo Kuma & Associates + Geoffrey Nees (Botanical Pavilion, Melbourne, Australia)
- SUP Atelier (Yunzhai Community Center, Yunzhai Village, Changyuan, China)

“The quality of the work featured this year was both astounding and inspiring. Expressional use of light, color and materiality were



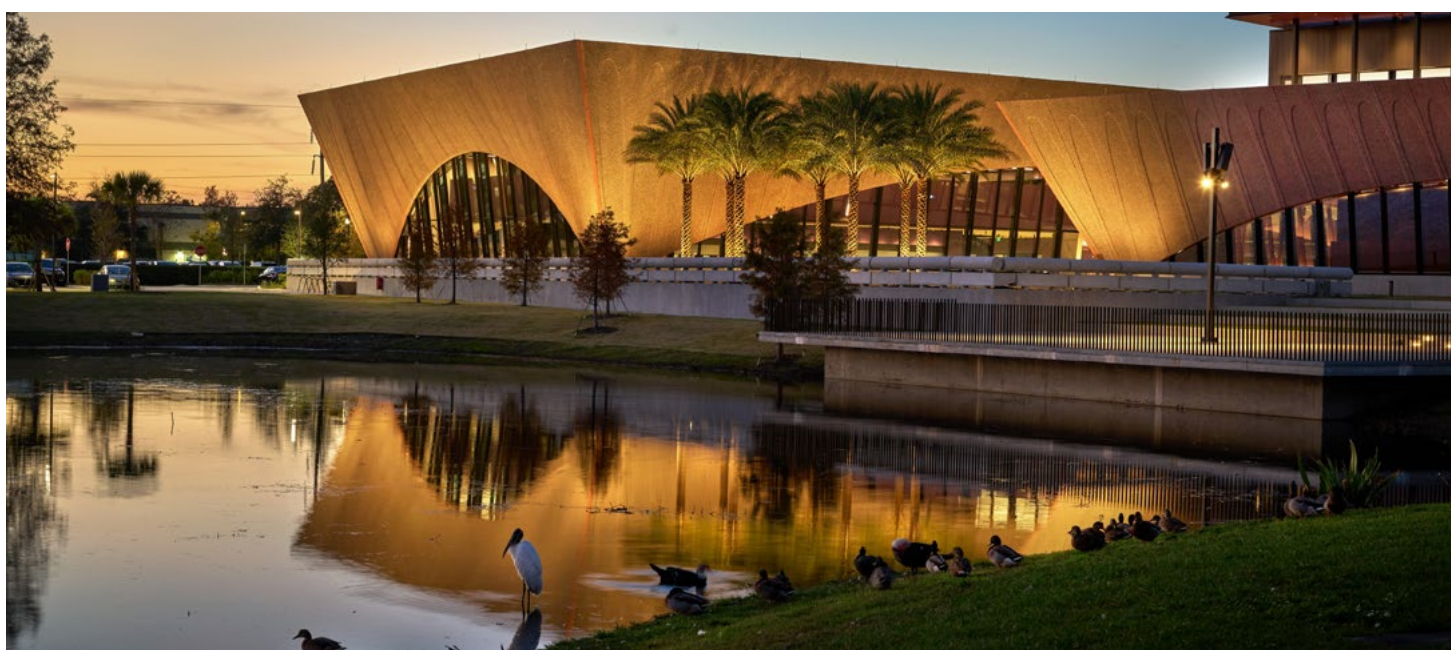
Fyrgani by AKA Architects, Sifnos island, Greece, A+Awards Jury Winner in the Architecture +Color category

Photo credit: Cathy Cunliffe

brilliantly displayed, and I was particularly impressed with projects that managed to successfully balance the critical regiments of various programs seamlessly against existing surrounding context and communities.”

Jason Pugh AIA, AICP, NOMA, LEED AP, Principal, Gensler

In its 10th season, the A+Awards received over 5,000 entries from 100+ countries, including a plethora of innovative projects seeking to address the complex challenges facing the world today — from climate change and the COVID 19 pandemic to urbanization and economic inequity. Notable Jurors included Julie Eizenberg FAIA, FRAIA (Founding Principal, Koning Eizenberg Architecture), Jasmit Singh Rangr (President and Founder, Rangr Studio), Germane Barnes (Principal, Studio Barnes), Suchi Reddy (Principal, Reddymade), Yoko Choy (China editor, Wallpaper* magazine), and many more.



Winter Park Library & Events Center, Winter Park, Florida, U.S., by Adjaye Associates, A+Awards Jury Winner in the Libraries category

Photos: Dror Baldinger, FAIA



Yunzhai Community Center, Yunzhai Village, Changyuan, China by SUP Atelier of THAD, A+Awards Jury Winner in the Architecture +Brick category

Photo credit: Yingnan Chu

A Jury-selected Winner and a Popular Choice Winner were awarded in each of the 117 categories, with over 400,000 votes cast by the voting public.

"The winners of this year's A+Awards not only form a wonderful exhibition of design innovation, but also powerfully demonstrate architects' enduring value to society. During these unprecedented times, firms across the globe are responding to big challenges with big ideas, continually striving to reimagine sustainable design, health-conscious architecture and socially responsible construction."

Paul Keskeys, Editor in Chief, Architizer



Striatus 3D Printed Bridge, Venice, Italy, developed by the Block Research Group (BRG) at ETH Zurich and Zaha Hadid Architects Computation & Design Research Group (ZHA CODE), in collaboration with Incremental 3D (in3D) and made possible by Holcim, A+Awards Jury Winner in the Architecture +Concrete category

Photo credit: Naaro



Wild Mile by Skidmore, Owings & Merrill (SOM), Awarded Best Sustainable Architecture Firm (Popular Choice Winner)

Photo credit: Dave Burk

Back for its eighth edition, the annual compendium Architizer: The World's Best Architecture, published by Architizer for the first time, will feature every 2022 architecture winner. This stunning hardbound book will be released in fall 2022 and is the definitive guide to the year's best buildings and spaces. Architizer's companion competition, the A+Product Awards, honoring the architectural products, materials, lighting and furniture behind the world's best buildings, will announce winners in October 2022.

For more information www.architizerawards.com



SIMONSWERK LAUNCHES ANSELM RANGE OF CONCEALED HINGES

SIMONSWERK UK is pleased to announce the ANSELM range of concealed hinge systems for residential doors. The ANSELM range offers high-quality products for lightweight interior residential doors up to 60 kg. The hinge systems are three-dimensionally adjustable and guarantee a long-lasting, maintenance-free operation of the door and are available in 6 aesthetically pleasing finishes.

The ANSELM AN 150 3D and AN 170 3D offer specifiers the opportunity to use narrow frames of just 25 mm depth due to the reduced frame part of the hinge, this offers the potential of concealed hinges in the most delicate of joinery details.

For those manufacturers searching for production economies of scale and easy installation of their products on-site, the ANSELM hinges with a reduced hinge frame fixing are a perfect choice.

AN 107 3D C60- Self-closing hinge

The ANSELM range also includes the AN 107 3D C60 self-closing hinge which allows the closing of a door independently up to 60 kg. The hinge with the integrated closing function is installed in the centre between the upper and lower hinge and has a special rotation system that makes it usable in combination with AN 160 3D.

More information about SIMONSWERK and its product range is available at www.simonswerk.co.uk.

SIMONSWERK

ANSELM

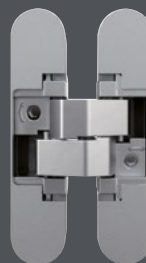
The concealed hinge system for residential doors



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ANSELM

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- for unrebutted residential doors
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- hinges with reduced frame part 21 mm available

www.simonswerk.co.uk

MAJOR INNOVATIVE NEW SOLUTION FROM THE EVER PROGRESSIVE SCHÖCK

Over six decades Schöck has built a formidable international reputation for innovative and progressive product design. The company is best known for its market leading range of Isokorb structural thermal breaks, but its pioneering reinforcement technology and impact sound insulation solutions are also a significant part of the product portfolio. Innovation though is not always about original product development. The Schöck philosophy of rethinking existing product capabilities can lead to derivative technology and the new Sconnex product range is a perfect example. It offers outstanding insulation performance, combined with an exceptional load-bearing capacity.

CLOSING THE LAST MAJOR THERMAL BRIDGE

Type W, for insulating the thermal bridge at the base, or the top of the reinforced concrete wall; type P for insulating the column head and eliminating the need for flank insulation; and type M, a capillary barrier that insulates at the base, or the top, of a masonry wall. With these ingenious high quality solutions, the company has transferred its Isokorb expertise in balcony technology to walls and columns. But what necessary development steps and which building physics obstacles had to be overcome for the concept to become an approved component?

BUILDING PHYSICS AND EXPERT ANALYSIS

The main focus of the 2050 building policy guidelines is to reduce energy losses and a critical area is the thermal performance of the building envelope, through a fabric first approach. Sconnex contributes significantly to meeting such a challenging and vital sustainable concept. About 40% of all thermal bridges in a building are caused by walls and columns, resulting in around 10% of heating energy losses. So the objective was to be the first company to develop a component for wall and column connections that both minimises thermal bridges and makes external insulation unnecessary. However, bringing a major new product to market requires extensive due diligence. First, building physics analysis confirmed the solution as being realistic in its practical implementation. Then, extensive expert opinions were prepared for the German Institute for Construction Technology (DIBt), where all mandatory legal requirements, including 90 minute fire resistance, were met. Because of the variance from practiced construction methods, Schöck also involved scientists from the University of Darmstadt. With groundbreaking innovations, Schöck often teams with specialists from universities and high-profile engineering firms



All three product types



Sconnex types W (left) and P (right). Below, Sconnex Type M



in the development of calculation models. In one dissertation, an empirical design proposal was created for the application of the connection element in construction practice, based on extensive experimental studies on its load-bearing behaviour. Schöck test results were also incorporated and the design proposal ratified by expert opinion.

TOTAL ASSURANCE FOR ARCHITECTS AND PLANNERS

By introducing Sconnex, Schöck has met the needs of the construction industry in maximising the reduction of thermal bridges involving walls and columns. Architects and planners can be assured that the Sconnex product family sets new standards for energy-efficient construction in the 21st century; and those who have already incorporated the products into their projects are enthusiastic about the new design freedom, the planning safety and the economically achievable results for the client.

For further information on the new Sconnex product range contact Schöck on 01865 290 890; or download the brochure at www.schoeck.com

JARVIS SPECIFIES EARTHBORN PAINTS

Jarvis Homes, a family company for more than 250 years, set out to improve the sustainability of its building processes and specified Earthborn paints for its Chequers Green development near Ashford.

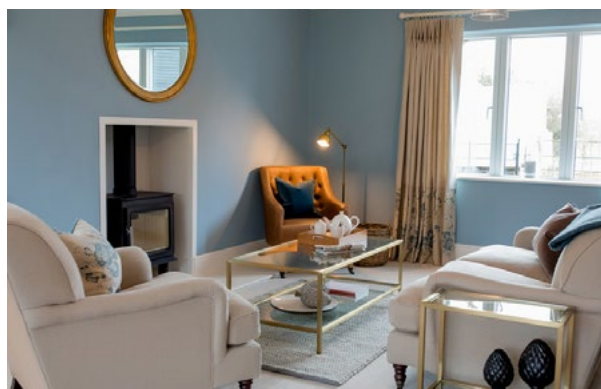
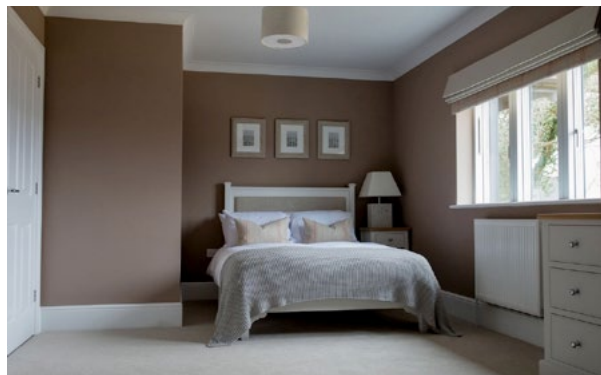
Russell Jarvis, company director, said "We switched to Earthborn as part of a drive to make our houses healthier to live in and more environmentally friendly. Their paints do just that because they are made without oils or acrylics, which means they are virtually VOC free and do not give off any harmful emissions. It enables newly decorated rooms to be occupied quickly because there is no worry about emissions or odours."

"At Chequers Green we opted for Earthborn, applying it onto gypsum plaster, and we used Eggshell for the woodwork."

Earthborn Lifestyle Emulsion has a hardwearing, classic low sheen finish. Earthborn Eggshell is water based and provides washability and scuff resistance.

Both products are available in Earthborn's signature colour palette of 72 colours plus white and the 12 Modern Country Colours developed in partnership with Country Homes & Interiors.

For further information visit: www.earthbornpaints.co.uk



Beautiful, hard wearing and virtually VOC free

NEW SANIFLUSH EXTENDS SANIFLO WC RANGE

The brand new Saniflush from Saniflo is a complete ceramic toilet that features an integrated macerator and provides a stylish solution for installing a WC into spaces where gravity drainage isn't an option. Whether it is a bathroom in a basement or loft, or a cloakroom under the stairs, the installation of a Saniflush is possible with just a water supply and electrical connection. Thanks to its two outlets, a basin or a shower can also be connected.



The modern rimless design and traditional bowl base is as practical as it is attractive. And because the macerator is contained within the ceramic it's a compact, space saving option that perfectly conceals the macerator unit from sight. Standard macerators are often visible behind the WC unit; the Saniflush eliminates that issue for customers that prefer a neater solution. The design is also flange-free for easy cleaning and the classic white design will suit any style of bathroom; it looks just like any contemporary WC. And it features all the benefits of a modern loo too. A water saving push button flush system, 3.6 litre tank and soft close seat with the added bonus of making a previously redundant space useful. The powerful 400-watt motor in the macerator enables waste to be pumped up to height of 5m and up to 100m horizontally. A non-return valve is supplied as standard. Access to the macerator is cleverly provided by a sliding ceramic that exposes the pump for maintenance and servicing.

For more information and technical details, please visit www.saniflo.co.uk

JACKON UK STRENGTHENS ITS BUSINESS DEVELOPMENT RESOURCE

JACKON UK is pleased to announce the appointment of Richard Douglas as the company's second Business Development Manager within its Building Systems Division. Working alongside Glenn Kiely, JACKON UK's first BDM in the Building Systems Division, Richard will be responsible for developing JACKON's relations with contractors, developers and architects.



He has broad experience of the construction industry stretching back 20 years, and spent 13 years working for a company specialising in damp-proofing remedial work. During this time Richard obtained a CSSW qualification (Certified Surveyor in Structural Waterproofing) and also developed an appreciation of ICF (Insulating Concrete Formwork). At JACKON UK his responsibilities include developing market opportunities for THERMOMUR® ICF expanded polystyrene (EPS), which is used for constructing the formwork for buildings and also for JACKODUR® ATLAS extruded polystyrene (XPS), used for constructing insulated floor slabs.

Richard said: "I look forward to meeting customers old and new in the coming months, either on-site or at one of the trade shows in which JACKON will be participating."

For further information visit www.jackon.co.uk



A FLOATING PAVILION

A FLOATING PAVILION AS TESTING GROUNDS FOR MUSEUM-TO-BE M. IN DUTCH NEW TOWN ALMERE

The Dutch city of Almere was built on reclaimed land where once was the Zuiderzee: a shallow sea bay in the Netherlands. The first house in this planned New Town was completed in 1976. Since then, the city has grown to a population of nearly 220.000, which means Almere is well on its way to being the fifth-largest city in the country. However, Almere lacks a museum of note, befitting a city of such stature. Local, provincial, and national government administrators agreed that a museum should be on top of the priority list to raise the city's appeal. Instead of establishing one immediately, it was decided to first experiment with a temporary art pavilion for immersive art with plenty of room to develop and test new ideas over the coming years. The museum-to-be was named M., claiming the first letter of its possible future destiny. In April, M.'s home base - a beautiful floating pavilion on the grounds of Floriade Expo 2022 – opened its doors. In the ingenious design by young duo Studio Ossidiana, there are numerous links to the history of Almere, a city rising from a former sea.

PIONEERING

In early 2020, the municipality of Almere and the province of Flevoland invited five up-and-coming architects working at the intersection of architecture and visual arts to submit a design for



“

The lightweight polycarbonate cylindrical façade filters and reflects the hues of the water and greenery.

the art pavilion. They intentionally approached young architects that had not seen any of their designs being constructed. Almere is built on the ideas of a group of recently graduated urban planners who formed a creative think tank in the early 1970s. An expert selection committee unanimously chose Studio Ossidiana's conceptual but accessible design. Alessandra Covini and Giovanni Belloti, the young duo behind Studio Ossidiana, drew up a plan that appeals to all the senses and refers to Almere's tradition of pioneering and experimenting. The resulting pavilion is a work of art, fitting in seamlessly with the province's extensive array of land art, which will become part of M's collection.

WATER AND SOIL

Studio Ossidiana was inspired by the sea that the province of Flevoland replaced and by the Weerwater Lake, where the pavilion would float. Their design features three circles: The Port, The Stage, and The Observatory. The Port is a ring-shaped promenade on the water that visitors can walk on and that allows for outdoor programming. It's made from a custom-designed terrazzo using shells, mussels, clay, and charcoal, found in Flevoland's soil. The Stage is an island with a terrace that will drift like a floating platform in strong winds. The Observatory, located on the third circular platform, has two exhibition spaces. It offers a dreamy view from the inside and out. The lightweight polycarbonate cylindrical façade filters and reflects the hues of the water and greenery. The visitors' silhouettes cast through the façade's carefully designed openings create an artistic spectacle.

MUSEUM FOR IMMERSIVE ART

M. is a prelude to a new icon for Almere and Flevoland, a precursor to a nationally and internationally renowned museum to be established in Almere in the next five to ten years if the pilot is a success. The museum-to-be wants to make immersive and landscape art accessible to everyone, with or without prior knowledge of art. As the name suggests, visitors will be immersed in the art shown. They will be drawn into it, become part of it, or even participate in its creation. The first expo in the pavilion is NaturAlly: Wild Futures, currently on display. It features the work



Photos: Riccardo de Vecchi for M.



of five emerging artists who show their vision of the wild nature of the future. Visitors can walk among trees on heels, travel along in a diorama to a pink underwater world, see how machines help birds build their nests, and watch a modern version of primordial soup outside on the terrace.

Outside of the pavilion, M. also introduces the art to audiences in public spaces. In the center of Almere, two empty stores have been converted into immersive art installations. Here, visitors can contribute with paint by numbers to a huge panorama depicting the green Almere of the future or wander through a maze with art by various local artists.

ART AS A TOOL FOR RESEARCH

M. wants to reach out to new audiences, not only younger ones but also people who have no previous knowledge of art. To explore and research how to best accomplish this, they have developed a comprehensive educational program for primary and higher education that is currently being tested. By engaging and questioning students, they aim to identify what triggers and moves them to help shape the museum's future plans. In addition, some of the work shown is used to research the needs of the public. Nieuw Flevo Peil, a temporary interactive water sculpture on display in a lake in downtown Almere, was powered by heartbeats collected from residents of Flevoland. While collecting these heartbeats, participants were asked what makes their hearts beat faster. The answers to this question are used in artwork to be commissioned by M. in the near future.

FLORIADE EXPO 2022

Currently, M's pavilion sits at the heart of the world horticultural exhibition Floriade Expo 2022. After the expo, the site will be developed into Hortus, an innovative, sustainable residential development, with M. as a key attraction.

jijbentm.art/

ZOO

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catalogue today!



Zoo Hardware are designers and suppliers of architectural door hardware, including door handles, knobs, locks, hinges and much more. Dedicated to ensuring its products meet the highest standards, Zoo Hardware uses only high-quality aluminium, brass, steel and zinc. This eye for detail and strive for quality is of the utmost importance for Zoo Hardware and as such, the company is confident that it can provide the highest quality products at the most competitive prices.



Through a determination to consistently innovate, develop and deliver state-of-the-art products, Zoo Hardware has designed Rosso Tecnica a new and exclusive collection of European inspired designer levers.

Manufactured from Grade 304 stainless steel, which has been specifically selected for its high-corrosion resistance, durability and hardness properties, the Rosso Tecnica range has been purposely designed to provide an exceptional performance for use in both domestic and commercial applications.

Always committed to staying ahead of the crowd, Zoo Hardware takes inspiration from contemporary trends with a focus towards minimalism and simplicity, this led to the company identifying a gap in the market. Zoo Hardware recognised the need for a new range of high-performance, design-led furniture, with hard-wearing decorative finishes; powder coated matt black, PVD satin brass and PVD satin bronze, to stand up to today's requirements for hardware. With this in mind, the Rosso Tecnica range was created and delivers high-quality door furniture with a stunning aesthetic appeal to suit any modern interior.

Offering a broad range of lever styles to suit even the most discerning tastes, from the industrially styled 'Orta' lever to the subtle curves of the 'Como', each design has been meticulously created to be both ergonomically and aesthetically pleasing, while meeting the technical requirements of the applicable BS EN standards.

Rosso Tecnica has been designed and produced using a combination of both solid cast components and tubular components, where quality is the main consideration with an efficiency of material use to maintain cost

effectiveness. This gives the range affordability while maintaining an exceptional, quality look and feel, and if your specification requires consideration around The Equality Act, the Maggiore Lever is a 19mm diameter, return to door lever that meets the dimensional requirements of BS8300 and Approved Document M of the building regulations.

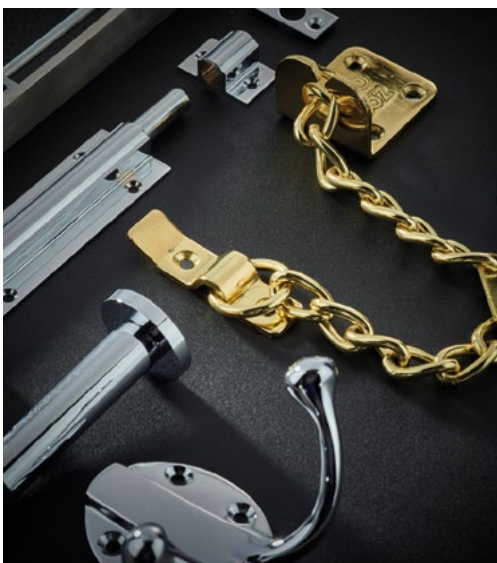
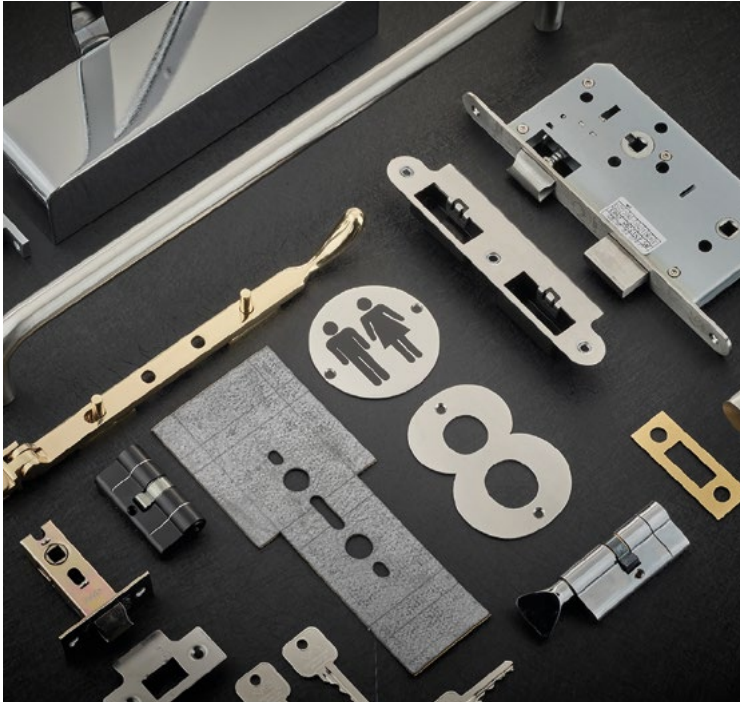
The introduction of a newly engineered 'Squirrel' rose, a rounded square known in mathematical terms as a 'superellipse', allows the complete customisation of both the levers and accessories to have a completely different look and feel from the standard round rose option. As well as being aesthetically pleasing, the Squirrel rose has been designed for easy installation on the existing sub-rose, making it a simple and cost-effective solution for creating a modern and fashionable environment.

The product is supplied with both wood screw and bolt through fixings, and a far more user friendly allen key for installation of the grub screws that are situated on the underside of the lever for improved aesthetics. All levers are supplied on a sprung rose configuration for improved operation and longevity.

It's not just about the levers either, Rosso Tecnica is a fully suited range, with complementary products including, hinges, door closers, flush bolts and more, being offered in each of the three hard-wearing finishes to create the perfect aesthetic for your project, whether it's a residential dwelling or commercial office space.

For more information about Zoo Hardware or our Rosso Tecnica range, please contact one of our friendly sales team using the details below.

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E: sales@zoo-hardware.co.uk



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CONNECTED EXPERTISE

EDGE COMPLETES ITS REDEVELOPMENT OF JOULES' NEW HEAD OFFICE

Edge has completed a new head office for British lifestyle brand, Joules, in Market Harborough, where the brand was established more than 30 years ago. The development sees the partial demolition of an atypical 'edge of town' office building and creation of a new 60,000 sq ft structure that brings the UK-based head office teams together under one roof for the first time, in a campus that amplifies the brand's distinctive heritage and optimises the site's semi-rural natural surroundings.

Edge designed the new Joules campus as a series of independent but interconnecting barn structures that are assembled around a central covered space. Each component barn or building has its own unique character, reflected in its scale and massing, its materials and finishes.

Michael Fern, Principal at Edge, says, "We have had the opportunity to embed the Joules brand within the workplace,



“

We took the local farmstead vernacular as a starting point for the visual aesthetic and used sustainable materials.

creating an environment which fosters greater collaboration across the different teams and functions. This new space will enable a workplace strategy of nimbleness, agile working and wellness as the business continues to expand in the UK and globally. Our approach has been to use our connected expertise in brand, interiors and architecture, to embody the Joules brand values and 'the Joules way of life' across all aspects of the design. We have placed people and the Joules DNA at the heart, bringing the expression of the brand to life and providing layouts and facilities to encourage movement and wellbeing.

We also wanted to create a strong sense of place that respects the natural surroundings of the site and have designed the scheme as a human scale experience with the building and the landscape interacting in a symbiotic way. We took the local farmstead vernacular as a starting point for the visual aesthetic and used sustainable materials.”

“At a time when many companies are questioning the purpose of the office, the idea of creating a centre of excellence still holds immense value and strategic importance for businesses.



Joules is a great example of a company whose culture and passion for their product has produced outstanding results, now that the team have greater ability to connect and collaborate under one roof, I'm sure that this will only create the perfect springboard for future success."

Nick Jones, CEO of Joules, said, "This is an exciting next chapter for Joules. With the opening of our new office, we have introduced a new fully flexible approach to how and where our colleagues work, and the space that we have is critical to that. Not only does our new office allow teams to better connect with one and other—whether in the office or working from home—but also brings the countryside in, to help inspire colleagues from across the business.

We can't thank Edge enough for helping create a space that not only reflects the heritage of the brand, but a long-term space that will support the continued growth of Joules."

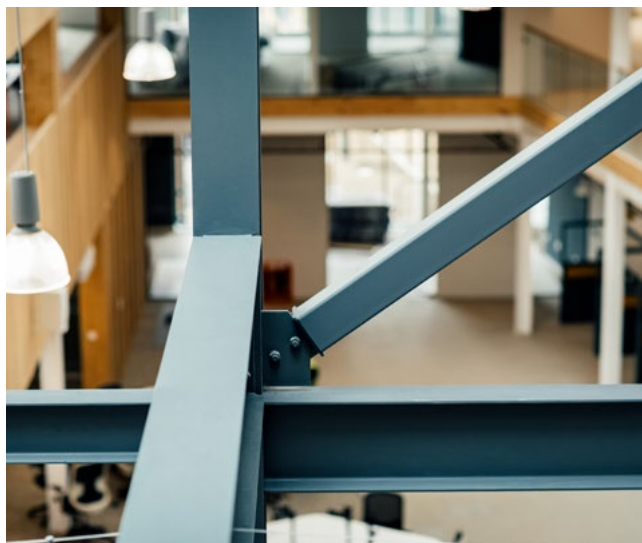
Tom Joule, Founder and Chief Brand Officer of Joules, says, "This has been a hugely exciting project for our company and our future. We are delighted with the new head office which will support agile working and new efficiencies in an environment that will enable our growing business to continue to attract and retain world-class talent. Edge's design 'breathes' our brand and will help us preserve and support our heritage and culture as we expand."

The Joules brand values are omnipresent through key moments both externally and internally. Everything from the reception, landside meeting spaces, product showcase and communal

“

Edge's design 'breathes' our brand and will help us preserve and support our heritage and culture as we expand.





spaces to wayfinding, textures and finishes have been designed to inspire and engage all visitors and users in the Joules way of life.

The working areas have been arranged in neighbourhoods with the facilities and appropriate technology to support agile working and collaboration. The lay-out provides local collaborative, activity-based work settings as well as communal areas (cafe, town hall, indoor and outdoor spaces), to give staff freedom of choice in their working day. The campus also has mock shops and significant on-site storage.

Edge designed the new building to maximise natural light and take advantage of the views to the adjacent fields and with a central atrium to serve as the communal space at sits the heart of the new campus. Enclosed and fully conditioned, the atrium provides the feeling of being in the yard of a farmstead, enclosed and protected by the surrounding barns and other buildings. At its centre is a structural 'tree' supporting the roof.

Integrating the new buildings and landscaping into the existing development and maintaining and enhancing the natural enclosure of the site have been important design objectives.

The new head office incorporates Joules' existing building, Compass House, into the design, with an upgrade to the external envelope. There is now a two-storey feature screen along the south and west facades providing a structure for a mixture of climbing plants to grow on. The screen continues into the interior of the building creating a flow from outside to inside at the central atrium.

The materials and colours throughout the exteriors correspond to the language and palette of materials often used in farmsteads in the English countryside and the detailing aims to be traditional with a contemporary twist.

Edge wanted to create a sense of gradual discovery on the journey from public highway to the campus front door. The tallest structure on site is the large east barn which has been designed to create a landmark gateway building for the new Joules campus. From here, the other barns on the site are reduced in mass and scale.

The ground floor external wall of the large east barn has been finished in Leicestershire ironstone with upper stories and roofing clad in metal. The southern face of the new Joules campus is a



small south barn which visitors will see first as they pass through the main entrance. It is clad in timber boarding rainscreen, has a west-facing gable filled with elements that will encourage wildlife to nest or visit and has a sedum roof. A large glazed opening at ground floor on the south facade appears as a barn door.

In tune with the way in which traditional farmsteads tend to present a closed façade to the public highway, the largest barn offers a relatively closed face to the public highway with a series of punch-hole windows forming a regular pattern in the facade. Large openings on the north and south gables offer glimpses to the inside of the barn and a large double height projecting window creates a 'special event' on the east façade.

The planting throughout has been designed to reflect the surrounding landscape character, providing year round interest and colour.

Project Team

Client: Joules

Architects: Edge architecture + design

Structural Engineers: Cundalls

M&E Engineers: Watermans

Project Managers: John Lester Partnership

Main Contractor: Baileys

QS: John Lester Partnership

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Originally called "A Touch of Brass", TOUCH changed their name in 2003 in reaction to advancing market changes in architectural Ironmongery to reflect the broader range of products and finishes that they sell.

In fact today Touch supply 20 different finishes including Brass, Satin Brass, Polished Chrome, Polished Nickel, Satin Nickel, Copper, BMA, Antique Brass, Black, Pewter, Ceramic, leather, Stainless Steel, Satin Stainless Steel, Gun Metal & 4 different shades of Bronze and the list keeps growing. Whatever finish you require, Touch can help you get the right look.

Touch occupy their recently refurbished showroom at 210 Fulham Road, Chelsea, where they stock and display a vast range of their 5,000 products. With a customer base including Architects, Interior Designers, Builders and private Individuals who are interested in the quality end of the Ironmongery market, the company also have a healthy export market to all corners of the world, namely the Middle East, Europe and the Americas.

Touch Ironmongery's owner and founder, Bill Benham, has 42 years' experience in the Ironmongery trade, as does his colleague Jim Haselup. Saleem Qureshi is the newest member of our team and has 21 years' experience, meaning their knowledge is unrivalled in this industry.

The range of products supplied by Touch date from circa 1640 French (Louise XIV) and cover all subsequent periods (Georgian, Edwardian & Victorian), Art Deco and contemporary pieces also make up the product ranges.

Touch showcases the very best of British manufacturing; the best ranges are still produced in the Midlands by craftsmen in factories dating back 200 years or more.

Touch Ironmongery have recently become suppliers for **Designer Doorware (Australia)** Who have beautiful products with a cutting edge design Metal, Wood and concrete. We also have the exclusive rights to sell the **Olaria (Barcelona)** range in the UK.

Olaria make all our bespoke products, they have incredible levels of workmanship.

Touch also sell European manufactured goods which are considered to be of a very good quality.

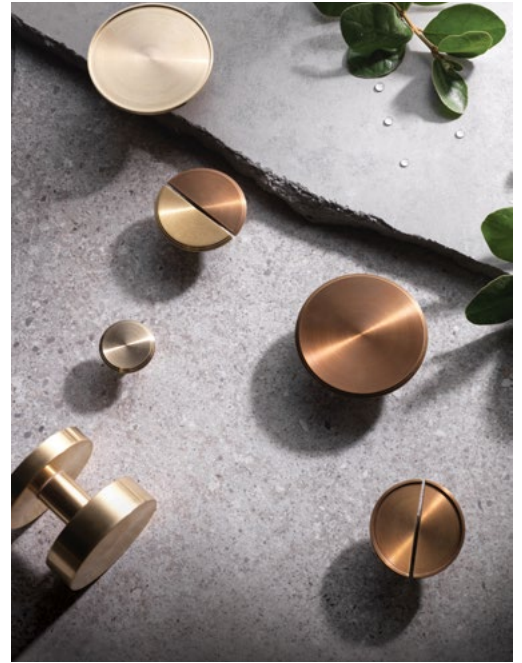
With trends continuously evolving new and innovative products are constantly under development.

Touch understand that keeping up with the fashion-shifts is imperative in order to provide every customer with the best solution for their requirements.

Ironmongery can be a difficult and complicated aspect of a building project, as a result Touch aim to take this awkward aspect and make it user friendly and clear to understand by offering an on-site service where they carry out a detailed door by door, window by window, room by room Ironmongery schedule, highlighting all requirements and identifying all requirements.

Restoration is a large part of the business Touch will undertake complete Ironmongery refurbishment projects, and can restore old paint covered door furniture to their former glory, looking as good as new again at a fraction of the cost to replace.

For more information about Touch Ironmongery or to arrange a showroom visit please call 0207 351 2255 or alternatively visit www.atouchofbrass.co.uk



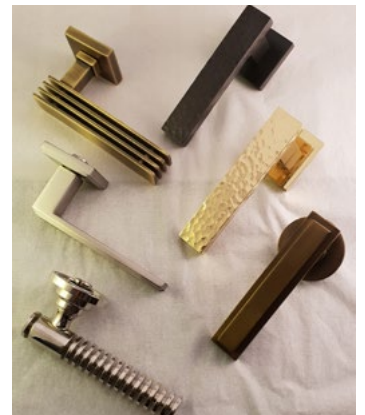
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Touch combine traditional skills with modern manufacturing techniques to produce the most beautiful, quality fittings, built to stand the test of time.

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Olaria, available from Touch Ironmongery

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Sunray Timber Door Division are leading and accredited Specialist Surveyors for Fire Doors and Passive Fire Door Protection. As one of only a few organisations to hold the full FDIS (Fire Door Inspection Scheme) they are expertly placed to provide Fire Door Surveys to determine compliance to Fire and Building Regulations and as a consequence corrective remedial or replacement advice.

The Sunray Fire Door Survey provides a thorough and detailed report on each door within the remit to define compliance or noncompliance to passive fire protection. Each door is meticulously inspected to understand its potential Fire Integrity and rating.

Following the Fire Survey and outside and independently to the Surveyors role, we are able to assess the information from the report on the corrective action required and provide a quote aligned with what is needed in order to obtain conformance. The main objective and focus will be compliance, safety and expert advice on which to act.

Sunray Timber Fire Division manufactures a diverse range of Fire Doors, Screens, Partitions and Fire Breaks as part of the Building fabric.

With ratings from 30 minutes to 2 Hours of Fire Protection, the Sunray Timber Door Division product range is used in a variety of applications including Hotels, Healthcare, Schools and Government and Commercial buildings.

More recently Sunray has introduced a revolutionary new product to its range. FIRE-SECURE® is a pioneering product combining Fire and Security Integrity giving two accreditations in one product, FD30 and LPCB SR2.

This is setting new standards for passive Fire Door protection as well as providing the assurance of security against physical attack.

Within the Commercial and Residential sectors, the increased demand on passive Fire protection and Building security has intensified, with a focus on product manufacturers investing into R&D to provide specifiers with accredited, tested and proven products to meet and exceed measured performance criterias.

The FIRE-SECURE® range features are unique in their own right, however combined into one product they provide the specifier with paramount assurance to withstand the most vulnerable of applications and Passive Fire or Security Door solutions.

Without compromise to cost, the testing of the Fire-Secure® range has been the most challenging in order to achieve and exceed the standards outlined using punishing and rigorous testing through renowned UK test facilities.

The result is a Timber Door which provides aesthetics using a wide range of colour or veneer finishes, vision panels, locking options and critically with the underlying assurance of Fire and Security protection.

For more details call our specialised team to discuss your particular project on 01233 639039 or visit our website at www.sunraytimberdoors.co.uk



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Sunray is a leading supplier of Fire Rated Timber Doors. Our products are exceptional when it comes to the high quality veneer and paint finishes for Fire Doors.

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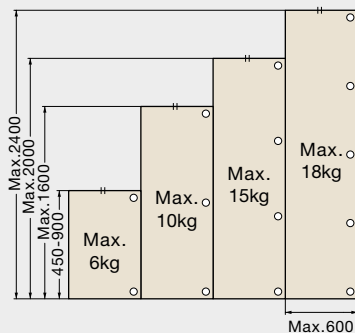
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www.sunraytimberdoors.co.uk



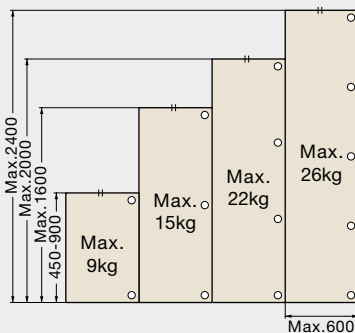
Full Disclosure on Our Premium Concealed Hinges

Olympia 360



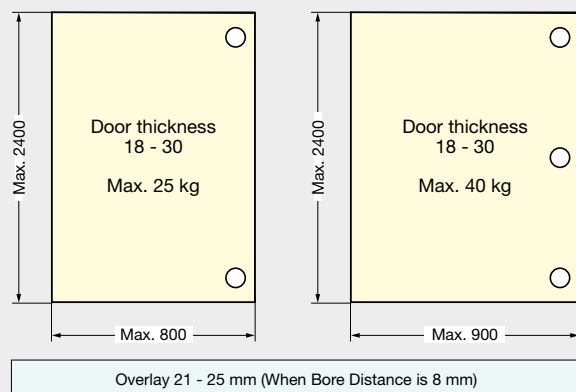
Door width	Door thickness	Material density	Installation pitch
Max. 600	Max. 20	Max. 0.6	Min. 300

Olympia H360



Door width	Door thickness	Material density	Installation pitch
Max. 600	Max. 30	Max. 0.6	Min. 300

J95 Hinge



To the uninitiated, a hinge is a hinge. But of course, nothing could be further from the truth. Hinges come in literally dozens of different styles, shapes and sizes.

There are barrel hinges and piano hinges, ball bearing hinges and spring-loaded butt hinges. You can get hinges made from cold-rolled and stainless steel, aluminium, brass and bronze. All with different purposes, designed for use on different types and sizes of door, inside and out.

And then there are concealed hinges.

Concealed hinges were originally developed for cabinet makers to achieve a pristine finish on kitchen units, cupboards, wardrobes etc. Whereas traditional hinge designs are visible between the door and unit when closed, concealed hinges tuck neatly away on the inside panel. With use of a double pivot arm, they are able to move a door out in the traditional arc without needing to be visible when the door is closed.

As with all hinge types, concealed hinges have evolved over time. There are now dozens of variations available on the market. But most manufacturers still stick to that core original purpose - making concealed hinges for standard cabinets.

The variations tend to focus on opening angles. So sure, if you're looking for absolute precision in how your cabinet door opens - 90°, 100°, 120°, 160° - you are spoilt for choice.

But what about if you want a concealed hinge for a non-standard cabinet door size? Something thicker, heavier or larger

than usual? What if you want a concealed hinge for use outside, in a garden kitchen for example, or in a cabinet under a sink, and you want to be sure they won't corrode and wear over time when exposed to moisture?

No hidden agenda - just solutions for every need

At Sugatsune, our focus is on supplying concealed hinges for as wide a range of applications as possible, for different sized doors in different situations.

For example, we offer models specially designed for thicker doors. Our ground-breaking Olympia 360 concealed hinge, which features our patented LAPCON adjustable rotary damper system, comes in both standard and heavy duty versions (the Olympia H360).

The benefit of the adjustable rotary damper is that it lets you set the torque to match the weight of the door, providing perfectly smooth, controlled close for doors big and small. Our Olympia hinges are categorised by height of the door, up to 2400mm full length wardrobe doors.

Our standard Olympia hinges are designed for doors with a maximum thickness of 20mm and a maximum material density of 0.6kg/m². For the largest wardrobe doors, that translates into a maximum load of 18kg.

But sometimes you want a door that is thicker than 20mm for greater durability. A thicker door, however, adds more weight. For most manufacturers, the solution is to add more hinges. But this complicates hanging.

That's why we developed the Olympia H360 range. The same premium close control in a concealed hinge, but for thicker, heavier doors. H360 hinges are designed for doors up to 30mm thick. So for a full length wardrobe, that pushes the maximum load capacity up to 26kg. And you still only need two or three hinges.

But what about even larger doors, especially those that are wider than standard cabinet widths? As mentioned, the Olympia range is suitable for doors up to 600mm in width. Anything wider creates different load forces. For that, you need an even more robust hinge.

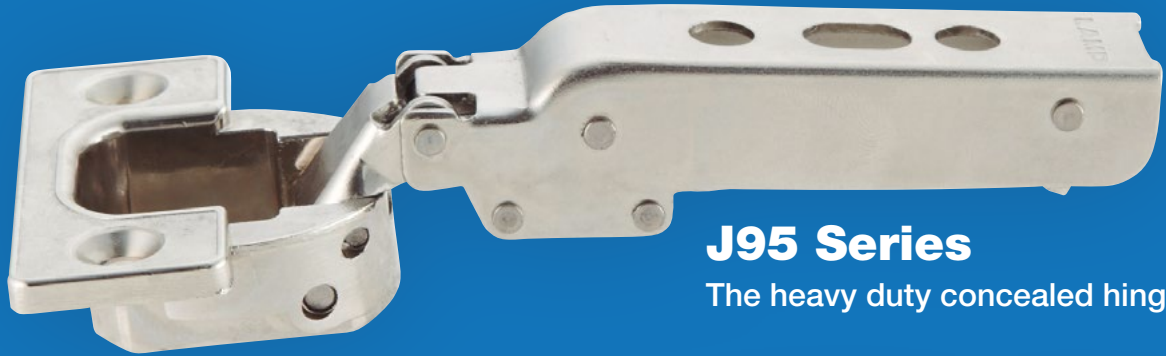
Enter the J95. With a unique design developed to increase the load bearing capacity of a concealed hinge, the J95 works for doors up to 900mm in width with 3 hinges. Two hinges can support doors up to 25kg in weight, three hinges can handle up to 40kg.

Finally, our 100 series stainless steel concealed hinges are perfect for environments where corrosion from moisture is a concern. So for sink cabinets in the bathroom, kitchen or utility room, for units built into garages and outhouses, or as mentioned, for garden kitchens, summer houses or outdoor storage units, our stainless steel concealed hinges guarantee long-lasting performance in all environments.

So there we have it, concealed hinges unbound, the Sugatsune way - a range of solutions to suit every situation, with premium quality and performance guaranteed. Contact our sales team today to get matched with the ideal option for your requirements.

The Japanese Hinges

Containing over 80 years of Sugatsune knowhow



J95 Series

The heavy duty concealed hinges

Olympia H360

Concealed hinges
for thick doors



Olympia 360

Concealed hinges

100 Series

Stainless steel concealed hinges



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MUSTARD WHARF

BRANDING EXPERTS COMBINE FORCES TO TRANSFORM LANDMARK LEEDS DEVELOPMENT

Widd Signs and UX Global (UXG) have completed a five-figure project to design and install a range of striking external and internal signage, as part of a £7.5m remodelling and refurbishment programme at office building 1 City Square in Leeds.

The project saw us work with digital solutions provider UXG to design and install high-spec internal and external branding and wayfinding signage at the 108,000sq ft, 11-storey landmark office building. Installations include an 11ft by 6ft video wall in the main atrium, along with various LED-illuminated logos and a digital directory.

We were commissioned by construction specialists Ardmac, who were appointed by Catella APAM to create a new atrium and entrance, as well as 46,196sq ft of workspace over five floors, with an on-site coffee shop, business lounge, fitness studio and shower and changing facilities. Architecture firm TP Bennett also played a key role in the project.

The building, which is prominently located opposite the train station, is already home to occupiers including Deloitte, Allied Irish Banks and Lloyds Bank.

“

We're delighted to have supported Ardmac on the refurbishment of what is an incredibly innovative and exciting office environment in the heart of Leeds



Commenting on the project, Rory Campbell-Pilling, head of operations at Widd Signs, said:

"We're delighted to have supported Ardmac on the refurbishment of what is an incredibly innovative and exciting office environment in the heart of Leeds.

"This turnkey project saw us team up with UXG to design, manufacture and install an array of high-spec signage, providing us with an opportunity to once again showcase our industry-leading capabilities and expertise."

For media enquiries, contact Ellie or Matt at MacComms at info@maccomms.net.

www.widdsigns.co.uk



FACING THE CLIMATE CHALLENGE

WHY AREN'T MORE ARCHITECTS SPECIFYING TIMBER FENESTRATION ON CONTEMPORARY BUILDINGS?

"We must recognise the importance of timber in overcoming our climate challenge," David Warburton MP wrote to his fellow MPs recently.

Timber is mooted as the best way of achieving net zero, yet a recent survey by George Barnsdale found that most architects are still reluctant to specify timber fenestration for contemporary new builds; Just 24% compared with 83% for historic/conservation projects and 74% for refurbishment.

The majority of architects in the survey preferred aluminium and steel because of concerns around durability and maintenance and the fact that timber is perceived as a bit old fashioned looking compared to other materials.

In terms of durability, modern engineered timber windows are scientifically proven to last 65 years or more with minimal maintenance if made to approved standards. However, most contemporary designs favour flush windows and doors which isn't ideal when it comes to protecting buildings in a four season temperate climate with wide variation in rainfall and temperature.

So, if a timber window company designed buildings, what would they specify? Stephen Wright, Chairman of George Barnsdale explains:

"Where possible, the simple answer is protecting the building from rain and harsh sunlight. From the foundations up, the act of displacing water away from the building helps to prevent damp, extends the life of windows and protects the walls of the building too. For instance, overhanging eaves are great for helping to control temperature inside the building as long as you can avoid cold bridging"

Whilst traditional details may be at odds with the clean lines of modern building projects, there are lots of ways of achieving the same result using contemporary architectural language and design elements. Peter Barber Architects have mastered the art of combining a British vernacular with the demands of contemporary architecture brilliantly.

What about the positioning of the windows?

"Ideally, set the windows back in the reveal – this helps to protect them further from adverse weather. This doesn't have to look traditional though. The Orsi Kaneh building is a great example of how a timber building can be optimised to deal with extreme weather whilst retaining a contemporary feel."

"We would also try to set the windows on stone, tile or aluminium and avoid extended cills – much of the damage that occurs to windows starts on the cills and in the bottom joints where water sits and eventually moves up the grain of the timber if they aren't made correctly. Whilst modern engineered windows incorporate



precision joints, end grain sealing and modern breathable coatings, sitting them on stone would help preserve them even further.

And doors?

In order to satisfy Part M of the building regulations (accessibility), there is a tendency to create a contradiction in the need for level thresholds and the demands of a sustainable future. There are details that can be used but many architects have a habitual cognitive bias against timber in favour of aluminium. If tweaks to the design could be made like setting the door back from the edge of the building envelope it would make a difference to longevity.

Stephen Wright continues "building regulations requiring level access alongside high weather and thermal performance would require alterations to the basic laws of physics! Maybe it's time to rethink this?"

Whilst there is no perfect solution to the climate crisis, we really ought to be leading the way when it comes to the most sustainable building material available – timber. The creativity and vision that architects possess should enable them to overcome the connotations of "Old fashioned traditional timber designs" to create modern, sleek, stylish and contemporary buildings that are also kind to the environment and perform brilliantly.

www.georgebarnsdale.co.uk

GRADE II GRANTLEY HALL WINS SPECIFICATION AWARD

The Grade II listed luxury hotel and spa Grantley Hall in Ripon, North Yorkshire, has scooped the prestigious Winner of Winners Award sponsored by GEZE UK at the 40th anniversary AI Specification Awards.

The award was presented by GEZE UK MD Kaz Spiwakowski to architects Bowman Riley and architectural ironmongers Em-B Solutions Ltd at a glittering ceremony at London's Leadenhall Building.

Grantley Hall opened in 2019 as a high-end hotel and spa following decades of neglect. The project required an extraordinary level of care to ensure the seamless integration of new and old ironmongery. The new products were designed to perform to the latest standards and operate with an access control system, while integrating with the antique brass and stainless steel furniture already in situ.

Said Kaz Spiwakowski, MD of GEZE UK, "As longstanding sponsors of this award we recognise the importance of architects and architectural ironmongers working together to produce beautiful buildings that are also perfectly suited to those using them."

Explaining the Architectural Ironmongery Specification Awards GAI President Mario Del-Signore said "Entries are judged on



From left, GAI President Mario Del-Signore; Philip Goldberg, Mark Brown, and Andy Fitzgerald (Em-B Solutions); Ruth Bush (Bowman Riley); and Kaz Spiwakowski of sponsors GEZE UK.

the effectiveness of the architectural ironmongery specification and how it enhances the security, accessibility and safety of the building, whilst also adding to its aesthetics, functionality and lifespan."

More information about the awards and all the winners can be found on the news section of Guild of Architectural Ironmongers website www.gai.org.uk

For more information about GEZE UK's comprehensive range of automatic and manual door closers visit www.geze.co.uk

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THE COURTYARD OFFICE

A LINEAR OFFICE SPACE TWISTS ORGANICALLY IN PLAN, CREATING A LARGE LANDSCAPED COURTYARD WITHIN IT

Varying from two to four levels sectionally, the office floors are lifted from the ground at the southwest and northeast sides to facilitate a south-westerly breeze through the courtyard.

The northeast and northwest corners of the building are also lifted, creating singular large volumes at both ends to allow visual contact between floors, where a cafeteria and a library are housed.

The circulation spine skirts the internal courtyard, allowing the landscape to be visible while moving through the office and the work areas, skirting the external periphery opening towards external gardens.

The building shape generates its longest sides oriented towards the north, with angled louvers on the other faces directing the



“

The courtyard office derives its principles from traditional Indian courtyard houses, resulting in office spaces that vary in volume and in orientation

internal spaces northwards. The orientation allows indirect light throughout the day into all of the internal spaces, rendering the building energy efficient.

The courtyard office derives its principles from traditional Indian courtyard houses, resulting in office spaces that vary in volume and in orientation, allowing open spaces to be integrated with enclosed ones, and creating energy-efficient workspaces.

Technical sheet

Project Type: Office

No. of Floors: G+1

Location: Raipur, Chhattisgarh, India

Commencement Date: Feb 2014

Completion Date: September 2020

Client Name: Shree Cement Ltd.

Size of the Project: 88,660 sq.ft.

Cost of the Project: 40,29,870 USD

Design Company: Sanjay Puri Architects

Lead Architects: Mr. Sanjay Puri

Design Team – Ruchika Gupta, Dayita Kurvey, Prajakta Panchal,

Samantha Fernandes,

Consultants:

Interior design Consultant – Baheti & Associates

Structural Consultant – Dr. Kelkar Design Pvt. Ltd.

MEP Consultant – Epsilon Design Consultancy Pvt. Ltd.

Photo credits: Mr. Dinesh Mehta

www.sanjaypuriarchitects.com



COLINWELL SUPPLY ACOUSTIC MASONRY TO BRAND NEW ST MARYS YOUTH CLUB FACILITY IN CREGGAN

Colinwell supplied their specialist EchoCheck Acoustic Masonry Block to the brand new £2 million state of the art youth facility for St Mary's Youth Club in the heart of the Creggan community. This block has been designed to offer market-leading levels of sound absorption efficiency. It controls sound reverberation in big spaces like sports halls, helping it reach its audience without distortion or reflection, while at the same time minimising noise penetration through walls to adjoining areas by absorbing sound waves.

EchoCheck Acoustic Blocks achieves their sound absorption using a slot and chamber arrangement in the face of the block. These slots allow sound to travel into the hollow cores, which then capture, manage, and diffuse sound waves of all frequencies to great effect. They are also robust, can be built into the very fabric of the building and can be roller-painted, ensuring that the space remains an acoustically ambient space throughout the building's life. Colinwells Echocheck blocks were used throughout the facility including in the brand-new sports hall, common area and music room.

Michael McGuigan, Sales Director for Colinwell says, "We like to challenge the conventional ways of doing things, be that manufacturing methods, or new product offerings. This allows us to offer our customers innovative new products like our EchoCheck block".

www.colinwell.com

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Colinwell Acoustic Masonry

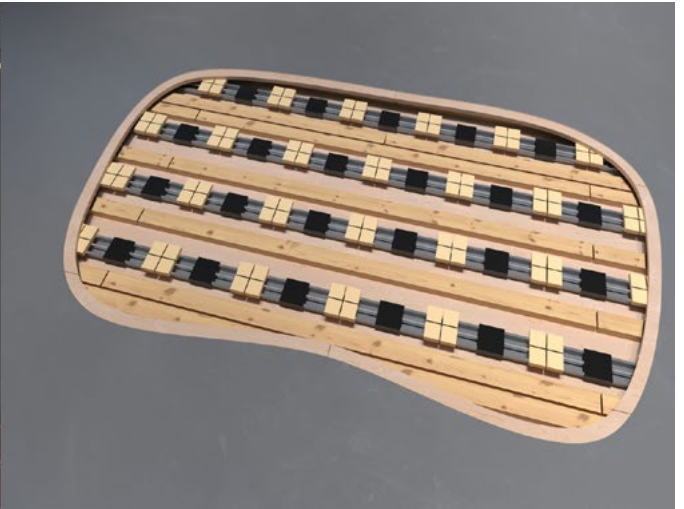
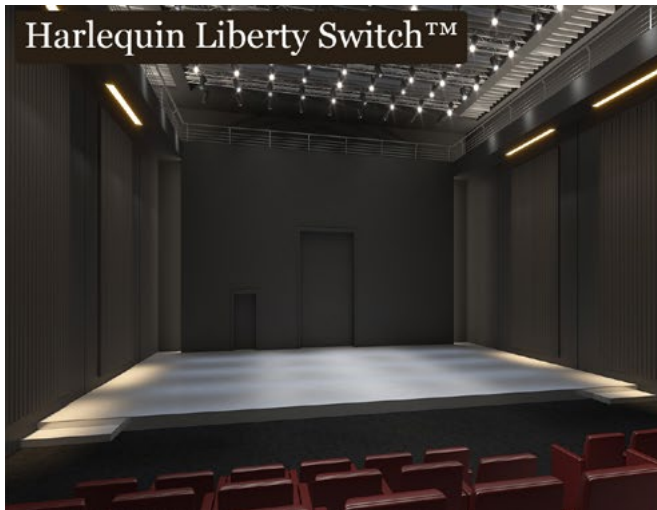
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EchoCheck Acoustic Block
St Bronagh's Primary School, Rostrevor
Colour: Paint Grade



THE IMPORTANCE OF DANCE IN EDUCATION

AT A TIME WHEN CHILDREN SPEND MORE AND MORE TIME IN FRONT OF A COMPUTER OR TELEVISION THE ESCAPE DANCE OFFERS HAS NEVER BEEN MORE IMPORTANT



Dance is more than just exercise and entertainment, it enables young people to build discipline and artistic skills and to develop their abilities in physical interaction, team working, problem solving, observing, evaluating, verbal and non-verbal communication. Through dance, children can gain, sensory and spatial awareness, coordination, concentration and mobility. But, more than this, dance is used to express emotions, to increase confidence and to just make ourselves feel better!

There is always a strong focus on academic subjects in education, but physical education is equally important. Learning, thought, creativity, and intelligence don't just come from the brain, but from the entire body – research has shown that movement combinations increase memory, order, and sequencing skills.

REIMAGINING HOW WE EDUCATE FUTURE GENERATIONS

Following the Covid pandemic, 21st century learning is looking to challenge the binary perceptions of space, exploring hybrid learning through the intersection of physical, virtual, formal and informal spaces. Today's rapidly changing, interconnected world requires students to think differently, work differently and learn differently.

HARLEQUIN LIBERTY SWITCH™

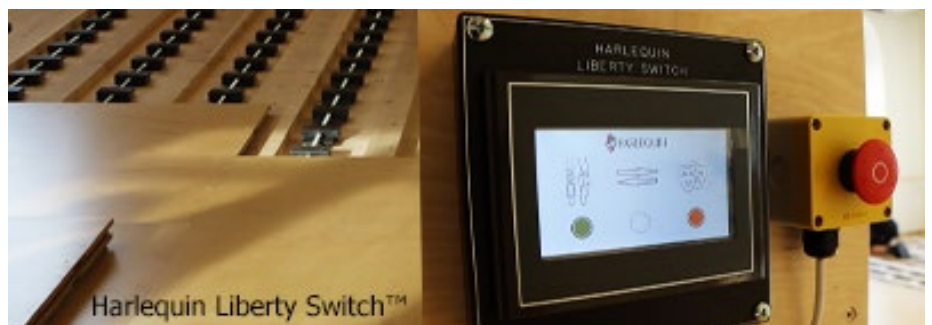
Dance and performing arts encourage inclusive, responsive learning but not all education environments can dedicate a specialist area to this discipline.

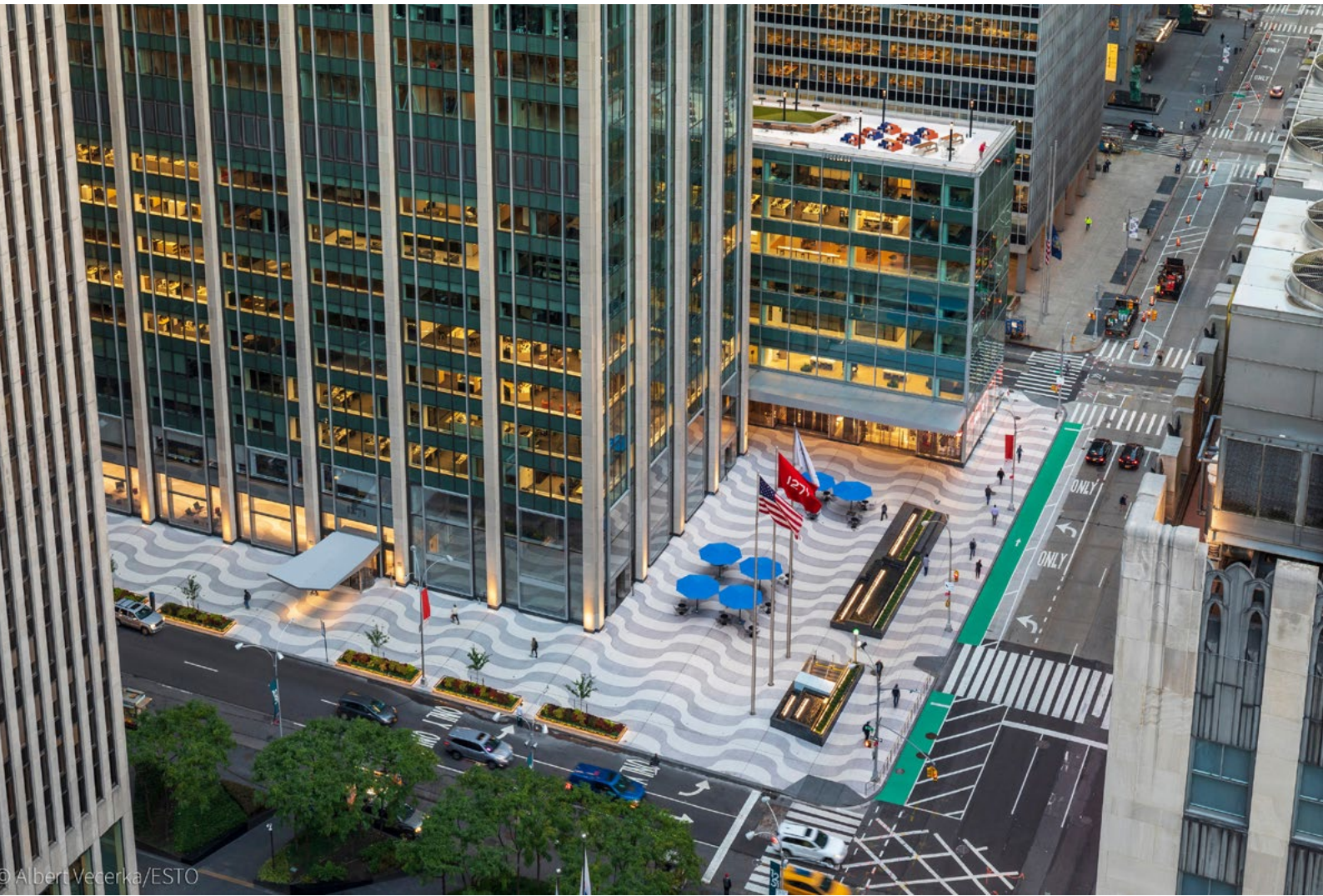
Harlequin Switch is an innovative, versatile multifunctional performance flooring system which enables an educational space to switch from a fixed floor to a sprung dance floor at the touch of a button. This enables flexible use of the space - with the floor in its rigid state it can be used for performing arts, drama or music and then, at the touch of a button, it transforms quickly into a fully sprung floor for dance.

One unique advantage of the Harlequin Liberty Switch system is that the floor can be tailored to the requirements of the educational environment. Areas of the floor can be isolated and made rigid for the placement of pianos or seating, while the rest of the floor is used as a sprung dance floor with uniform and consistent shock dampening ensuring dancers' safety and comfort.

To see Harlequin Switch in motion watch our product video by visiting the Harlequin website.

www.harlequinfloors.com





INNOVATIVE RESTORATION

REPOSITIONING OF FORMER TIME & LIFE BUILDING SHOWS SUSTAINABILITY IS KEY TO MARKET SUCCESS

At 1271 Avenue of the Americas, Modernization and New Energy-Saving Facade Yield Fully Leased Tower

The launch of the television series *Mad Men*, set in the Time & Life Building in Midtown Manhattan, introduced the iconic 1959 tower to a new generation. But despite its growing fame, the aging tower struggled to compete in New York's commercial real estate market: with an inefficient building envelope, outdated mechanical systems, and a timeworn lobby, it was no match for recently built, state-of-the-art towers. Then, in 2014—as *Mad Men* entered its final season—the primary tenant announced it was relocating to a new building. That's when owner-developer Rockefeller Group turned to the architecture firm Pei Cobb Freed & Partners, with a vision for a transformational reinvention

The Pei Cobb Freed team made a thorough study of existing

conditions, seeking to understand decades of alterations, and researched the original architects' intentions. Synthesizing this information with their knowledge of best practices in sustainability and workplace design, the team developed an innovative plan for restoration, improvement, and modernization.

The ensuing repositioning of the building—now known as 1271 Avenue of the Americas—brought it from vacant to 99 percent leased, even before construction was complete. This success speaks to the benefit of strategic interventions that preserve rather than demolish, serving not only building owners and users but the public and planet, while meeting the demands of the 21st-century workforce.

Facade replacement was the most significant of the repositioning's five interdependent components. A clever inversion of the

“

Engaging the public realm this way acknowledges the civic responsibility in building, which in turn can generate commercial value.

relationship of vision glass to spandrel glass has increased vision area and daylighting by more than 50 percent while retaining the essential proportions of the original facade. Overall building energy use has dropped by more than 40 percent.

Many considerations are involved in evaluating the interventions required to achieve compliance with new local laws and to make a property more competitive, notes Kate Bojsza, coleader of Pei Cobb Freed’s repositioning and carbon retrofit team. “An integrated approach addressing asset value and marketability, along with the cost drivers of constructability and logistics, is essential,” she says. “It’s important to identify anything that might make it difficult for building owners to realize gains, like unknown conditions, fuel source pricing, and customization.”

Leveraging the firm’s tradition of design excellence and commitment to craft, the repositioning and retrofit team aims for solutions that are both aesthetically uncompromising and technically sound. At 1271, the team oversaw the restoration of the landmarked lobby’s mid-century finishes and expanded the space to accommodate new reception desks for a multi-tenant configuration, all the while respecting the historic design intent. Additional updates include modernized mechanical, life safety, and elevator systems and redesigned elevator cab interiors.

The upgrades have created a more livable and desirable workplace, says Chris Jend, a lead designer on the project. But the beneficiaries are not just the tower’s tenants. “By reimagining the original fountain as a stepped landscape feature and adding a dynamic cantilevered canopy, we transformed the east plaza—



© Albert Vercera/ESTO





across from Radio City Music Hall—into a more human-scaled open space. Engaging the public realm this way acknowledges the civic responsibility in building, which in turn can generate commercial value.”

Seizing on this promise, Major League Baseball was the first company to lease office space in the updated tower, opening its flagship store in the main retail space fronting the plaza.

A beloved icon of the Mad Men era, 1271 Avenue of the Americas now also represents the potential of the past century’s buildings to be part of a more sustainable future. Guided by design partner Yvonne Szeto, the Pei Cobb Freed team is applying its expertise to other aging office towers, reimagining the workplace for a more amenity-demanding, hybrid, and mobile workforce while prioritizing strategies that reduce building emissions. “As architects, this is where we can have a meaningful impact on the future habitability of our planet,” says Szeto. “It’s our responsibility as much as it is our passion.”

AWARDS

Best Tall Building (Renovation) Award of Excellence
Council on Tall Buildings and Urban Habitat, 2022

American Architecture Award
International Architecture Award
Green Good Design Award: Architecture
Chicago Athenaeum / European Centre, 2021

Design Award
Society of American Registered Architects, 2021



Design Award of Merit
Society of American Registered Architects, New York Council, 2021

Vitruvian Awards: Outstanding Facade Preservation: Finalist
Facade Tectonics Institute, 2021

Award for Excellence: Finalist
Urban Land Institute New York, 2021
About Pei Cobb Freed & Partners

With projects in more than 100 cities around the world, Pei Cobb Freed & Partners is one of the world’s preeminent architecture and planning practices. Working from a single studio in New York, the firm is consistently recognized for excellence in design and sustainability, with more than 300 major design awards.

Photos: Albert Vecerka/ESTO
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YEOMAN SHIELD FIRE DOOR SERVICES DIVISION CONTINUES TO GO FROM STRENGTH TO STRENGTH WITH THE ADDITION OF A NEW TEAM MEMBER AND NEW PERSONNEL ACCREDITATIONS

Technical Advisor, Richard Bingley and Technical Supervisor, Shaun Stevenson, already have the FDIS Diploma in Fire Doors. Both have now increased their portfolio of certification, having recently sat for, and to their credit, achieved the FDIS Fire Door Inspection qualification.



"The FDIS Fire Door Inspection qualification assures our clients that our Fire Door Services supervisors have the essential skills to carry out fire door inspections with the knowledge to identify non-compliant issues," commented Contracts Director, Richard Good.

With an in-depth understanding of the regulations, components, compartmentation, and function, Richard and Shaun can also advise on remedial work required to bring damaged fire doors back to an acceptable standard under best practice guidance.

Offering accepted repair techniques can help reduce the cost of remedial work to non-conforming fire doors whilst a regular Fire Door inspection and maintenance routine will ensure that problematic issues can be dealt with before they get to the point of total fire door replacement.

Yeoman Shield Fire Door Services has been further enhanced by the internal promotion of Gemma Batley to the team.

Richard Good explained, "Gemma has worked within the company for many years as a Senior Sales Coordinator and has great understanding of our fire rated door protection products and will certainly be an asset to the division."

Gemma has been appointed as a Fire Door Supervisor and has already achieved the FDIS Diploma in Fire Doors Certification ready to progress to the Fire Door Inspection qualifications.

For more information on Yeoman Shield Fire Door Services as well as Yeoman Shield's range of Wall & Door Protection products go to www.yeomanshield.com or call 0113 279 5854.



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MAGPLY PARTNERS WITH PROKOL TO GIVE FIREPROOF ROOFING BUILD-UP

THE IDEAL SUBSTRATE ON WHICH TO INSTALL LIQUID APPLIED TREATMENTS

A Dutch manufacturer of fireproof flat roof coatings is recommending IPP Limited's Magply boards as the ideal substrate on which to install its liquid applied treatments: based not only on their fire rating and stability, but also because of the material's flatness.

A major installation is currently underway in Basildon, Essex, on an industrial building known as 'The Gloucester's', where a long established local building company Davis Bros is overlaying the old 'northlight' roof over its own premises and that of its neighbours with a Prokol specification that includes 6mm Magply.

Prokol UK offers training, project management and other support to clients across the construction industry with systems certified for flooring, tanking, sealing chemical bunds and even encapsulating asbestos sheeting, as well as for flat roofing – where it can provide guarantee periods of 30 or even 50 years.

A senior executive for Prokol UK, Richard Moore, commented: "We used to include OSB3 in our specifications, but because of needing to remove fire risks, we are only recommending Magply A1 non-combustible substrates now. In the training courses we run at our Product & Knowledge Centre in Essex, we are now 'championing' Magply to clients and contractors being trained to be approved installers; because of its characteristics, its fire performance and also its flatness. Once bonded down over the insulation it offers a far flatter substrate than OSB, or plywood which means the coverage you achieve is much more predictable, and at the same time eliminates the fire risk. We would also encourage the use of 20mm Magply as the decking material for fire safety – effectively creating a non-combustible sandwich above and below the insulation."

Richard Davis, third generation of the Davis Bros family business that started back in 1948, added: "What originally began as a coach building business has expanded over the years to do building, then shop-fitting and public sector projects. We have also fitted out hundreds of pubs in recent years, adding a number of different skillsets as we go. We've now become accredited installers of the Prokol systems, so we can carry out this work to our buildings on behalf of the management committee and will almost certainly undertake more roofing work in the future, so we have control of what is often a crucial part of the construction process. Sanding and priming Magply in our workshop, learning what is the right amount of sand to apply and with the two-part primer taking around an hour to cure. We purchased a thousand of the 6mm Magply sheets from M&J Roofing Services and the work is progressing well."

The roof structure is formed from concrete planks over steel trusses and has an existing felt waterproofing system nearing the end of its life. This is being overlaid with Soudal Foam and 100mm of Xtratherm foil-faced insulation, onto which the 6mm Magply boards are bonded using a polyurethane adhesive. The joints are sealed with Prokol's special high elongation tape before the MonoSeal top layer is applied. This hydrophobic pure polymer waterproofing has the potential to accommodate 1500% elongation. Magply MOS boards present a fire-safe and environmentally friendly alternative to conventional plywood or OSB products. The different thicknesses of Magply panels are also widely used for flooring and pitched roof installations; as well as being approved by many different manufacturers of render finishes.

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Fire safety remains a top priority for all involved in the construction industry, with many manufacturers offering many solutions. GEZE, a leading manufacturer of door and window control systems, offers one more, which they believe is a unique solution for smoke extraction systems in the market place.

The RWA K 600 retractable arm drive can be fitted to emergency exits on escape routes and in the event of a fire it can be used as a fresh air supply which when the fire alarm is sounded the door opens automatically allowing a large amount of air to flow into the building and forcing smoke out.

The powerful drive with high torque opens a door to 90° in less than 60 seconds. Yet the door remains readily accessible due to the freely positioned activation of the lever by means of a pressure roller.

The RWA K 600 is perfect for use in supply air systems where large opening angles are required, it is suitable for single and double leaf smoke and heat extraction fresh air doors and can be installed on both the hinge or opposite hinge side.

Said Andy Iredale, National Sales Manager for Automatic Doors and Window Control, "The RWA K 600 is a unique solution in the extraction of smoke from a building in the case



of fire. It's suitability for use in a variety of situations makes it perfect for use on escape routes."

To find out more about the RWA K 600 email info.uk@geze.com or visit www.geze.co.uk



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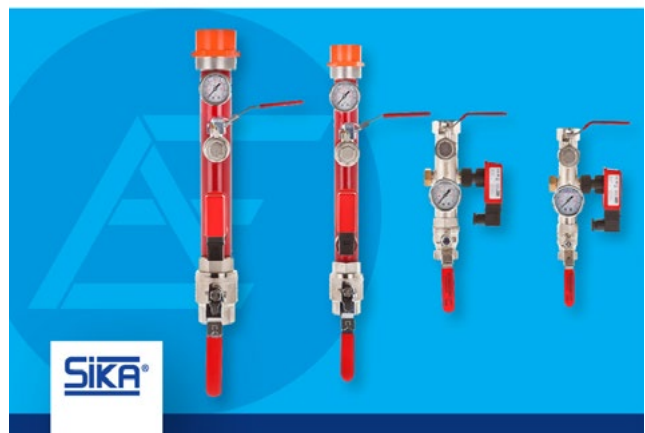


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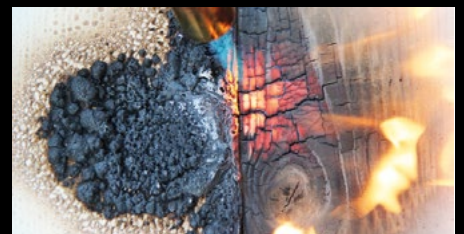
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REWARDING CREATIVE INOVATION

EXPERIENCE DESIGN COMPANY KH STUDIO CROWNED EGYPT'S TOP LUXURY INTERIOR DESIGNER

Luxury Lifestyle Awards is delighted to send congratulations to KH Studio following its selection as winner in the category Best Luxury Interior Design Studio in Egypt. The announcement follows a rigorous selection process and a thorough examination of all criteria, based on which KH Studio was found to be a worthy recipient of the prestigious title from Luxury Lifestyle Awards.

KH Studio is an experienced design company that specializes in architecture and interior design services. KH Studio was founded by husband-and-wife duo, Ahmed Khalifa and Shereen Helmy in 2005. It is based in Heliopolis, Egypt.

Khalifa is a trained architect, and Helmy is an expert interior designer. Together, they have established KH Studio to be a leading creative firm in Egypt with a reputation for innovation in every



“

We are very proud to receive this award that is recognizing the efforts of our studio and all our team.



sense. “We believe in creating clean lines in our work. We prioritize the use of natural materials, materials that are strong and full of character and life. And we want our work to be functional – we don’t believe in spaces that are too ornate to be lived in,” says Helmy.

Khalifa agrees, adding: “We want our clients to enjoy the entire house. We believe a home can be beautiful and also comfortable and utilitarian. We don’t want our clients to sit in one room upstairs living their life while the entire downstairs reception salons are closed. No, we want them to enjoy their life and their home”.

At KH Studio, working alongside Khalifa and Helmy are Twenty-five assistant architect employees. Together, they ply their trade on private residences, restaurants, and commercial office spaces. Their portfolio includes Office spaces, private residences and some commercial F&B outlets. They also worked on the exclusive

Japanese Kazuko restaurant in Katemeya, Shinko Bar, 30 North coffee shop in the New Grand Egyptian Museum and as well as the new up and coming commercial mall Golf Central.

Through these projects, KH Studio has played a part in elevating the standard of architecture and interior design in Egypt. Indeed, for their work on Shinko Bar, KH Studio won an award from African Property Awards in the category of interior design. Other awards include Best Luxury Restaurant Interior Design for Cake Café Swan Lake Compound in Egypt and Best Luxury Restaurant Interior Design for Kazuko – both of these titles were awarded by Luxury Lifestyle Awards.

On receipt of their latest award from Luxury Lifestyle Awards, Khalifa and Helmy commented: “We are very proud to receive this award that is recognizing the efforts of our studio and all our team. We are proud of how far we have come and the quality of work that we are producing now. We look forward to more excellent work, more client satisfaction and more creative innovation as we stretch our imaginations”.

For more about KH Studio, visit <https://www.khstudio.co>

ABOUT LUXURY LIFESTYLE AWARDS

Luxury Lifestyle Awards is a global award selecting, recognizing, celebrating and promoting the best luxury goods and services all over the world. The goal of the company is to connect people with the best of luxury. LLA has evaluated more than 10 000 various goods and services in 400 categories from 60 countries and analyzed the results to give you a TOP list of the best of the best in the world. Such world-renowned brands as Chanel, Dom Perignon, and Ferrari were proudly named winners. The victory brings companies status and recognition, global promotion and exposure to an entirely new market of customers.

For more information, please visit: www.luxurylifestyleawards.com



CONTEMPORARY FAMILY LIVING WITH HAVWOODS

A charming and handsome abode in one of London's infamous rowing areas, Putney House is a sophisticated family home in South West London. Beautifully adorned with luxury art deco style influences, the kitchen, hallway and living space were given a substantial renovation by Nancy Gouldstone Architects and a fresh new look by designer The Roomologist.



Beautiful wooden flooring by Havwoods was installed to enable a seamless flow throughout the downstairs of the property. The light tones of the Venture Plank floorboards create an open and spacious look that flows seamlessly through every room, complementing the handsome dark furnishings and the natural light that pours through the floor to ceiling windows, skylights and Crittal doors.

The kitchen is at the heart of the property as the flooring pairs perfectly with the natural materials of the dark wooden cabinetry, marble surfaces and rattan furniture. Statement hanging pendants and eye-catching gold brassware stand out against the dark colour palette creating a look that is not only modern but luxurious and timeless.



Sweeping elegantly through the hallway, the flooring changes to herringbone for an on-trend entranceway allowing for natural zoning without the need for walls, with the cooler Scandi colourway still in place. The Crittal doors that lead into each room allow the light to travel even further, creating a contemporary sense of fluidity and place.

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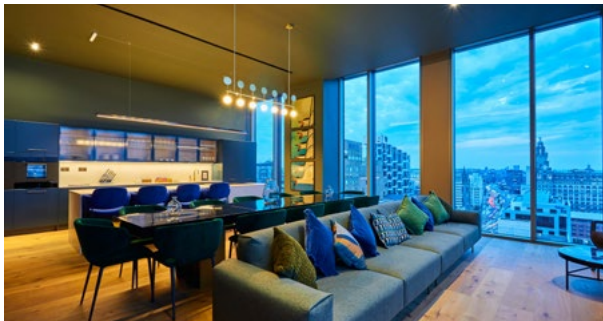
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TITON'S MVHR PROVIDES A BREATH OF FRESH AIR FOR LEXINGTON RESIDENTIAL APARTMENTS

Titon's powerful but compact HRV1.6 Q Plus MVHR unit has recently been installed in Moda Living's Lexington Tower.

Situated on the Liverpool waterfront, the new residential tower has over 325 apartments ranging from studios to one, two and three bedrooms with penthouse accommodation on the upper levels. With premium features such as garden spaces, fitness studio and amenity areas.

Briggs and Forester delivered the building services equipment over a 22 month period, which consisted of design, supply, installation, commissioning and included installing over 300 of Titon's HRV1.6 Q Plus.



The Lexington Tower is part of a 5.5 billion regeneration plan by Liverpool Waters Regeneration Plan.

Commenting on the partnership with Titon and Briggs and Forester, Andy Cowell, Area Sales Manager stated "The Lexington Tower is a prestigious building that is part of a massive investment in the area. It was a pleasure working with Briggs and Forester, Titon were able to meet the design criteria and offer full technical support".

The ultra-compact HRV 1.6 Q Plus is a high-performance MVHR unit measuring just 600mm wide, enabling it to fit into tight spaces for easy installation and access. It has extremely low specific fan power (SFP) of 0.49 W/l/s and a heat exchanger offering efficiencies up to 89%, which enhances SAP performance via Appendix Q. Furthermore, despite its compact size, the lightweight HRV 1.6 Q Plus can achieve excellent flow rates of up to 100 l/s (359 m3/h) as independently tested by the BRE.

For more information about Titon and its range of window and door hardware, as well as its whole house ventilation products, please visit: www.titon.com/uk



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CREATING A HEALTHIER WAY OF LIVING

RINNAI ANNOUNCES WORLD FIRST 100% HYDROGEN COMBUSTION TECHNOLOGY FOR CONTINUOUS FLOW WATER HEATER

Rinnai has announced the world's first 100% hydrogen combustion for continuous flow hot water heaters.

Rinnai committed significant resources into this new appliance technology and created a supremely efficient-functioning continuous flow hot water system fuelled by 100% hydrogen.

In November last year the company announced the release of its "Rinnai Innovation Manifesto 2050", describing its commitment to global carbon neutrality. 'As a company that produces appliances

that require fossil fuels, Rinnai feels a deep sense of responsibility to embrace all aspects of global decarbonisation,' said a spokesman for the company.

Current UK Rinnai product ranges - both domestic and commercial - are 'hydrogen blends ready' - meaning that units will accept the proposed 20% hydrogen/natural gas blend. Rinnai UK is one of the first manufacturers display the I2HY20 gas category certificate for all its products.

“

We are delighted to see this development coming to market after a period of intense research and design work conducted on a global scale.

'If we can develop a 100% hydrogen combustion technology that emits no CO₂ at all, we can help achieve carbon neutrality. Rinnai's 100% hydrogen combustion water heater models are fully able to contribute significantly towards cutting emissions.

'An adoption of global infrastructural modifications is a prerequisite for hydrogen-burning water heaters to become a valid global decarbonizing technology. Major international economies are strategizing measures that focus on introducing clean and domestically sustainable sources of energy, such as renewables and hydrogen into separate energy mixes before or around 2050,' added the company spokesman.

In the UK HyNet Northwest, a project trialling hydrogen distribution and supply to both industry and residential sites, has Cadent as a lead partner. Cadent is the UK's largest gas distribution network. All waymark reports show that the trial is progressing up to and beyond expectations. And overseas - Australia's major energy companies are implementing a series of demonstration tests using 100% hydrogen water heaters in residential applications throughout and beyond October 2022. Rinnai will also take part in these tests in the hope that over 100 years of experience can assist in producing technology that accepts clean energy.

For Rinnai UK Chris Goggin, Operations Director, comments, 'We are delighted to see this development coming to market after a period of intense research and design work conducted on a global scale. The product quality of our range of products, coupled with service excellence to all customers, is and always will be our first priority. We have responded to the need for decarbonisation by re-designing those parts of our products that warranted it – and we have recognised the fact that all fuels will factor in the future. Hence, we have launched our H3 initiative of Hydrogen, Hybrid and Heat Pump so that our customers have the best possible choices to assist them maximise their own energy efficiency programmes.'

Rinnai plans to continue researching and developing next generation decarbonising technology. Rinnai is determined to introduce combustion technology that encourages a greater sense of customer convenience and clean air quality.

www.rinnaiuk.com





VILLA M TAKES AMAZON TO PARIS WITH TROPICAL BUILDING

DESIGNED BY FRENCH-BRAZILIAN TRIPTYQUE ARCHITECTURE, WITH ARCHITECTURAL DESIGN AND ART DIRECTION OF THE SPACES SIGNED BY PHILIPPE STARCK, VILLA M AIMS TO CREATE A NEW PACT BETWEEN CITIES, NATURE, AND HEALTH.

A naturalistic manifest: this is the definition of Villa M, a mixed-use complex located in Boulevard Pasteur, in the Parisian borough of Montparnasse.

The program, imagined by Thierry Lorente and Amanda Lehmann of Groupe Pasteur Mutualité, is a mixed use building including a Hotel by Paris Society, a coworking, and a dynamic healthcare-focused center.

Its architecture stands out with its living building, whose geometry is formed by metallic structure beams, conceived to house medicinal herbal plants, fruit trees, and medium to large sized perennial species.

Designed as an exoskeleton, the building has a minimalist, light look, composed by prefabricated pieces as in a building game.

"The edifice itself is the support for this vertical garden, which will grow and occupy the entire façade, turning the building into a vertical, medicinal forest, and becoming the main architecture," explains Olivier Raffaelli, Triptyque partner and architect designer of Villa M.

In addition to the reintegration of nature to the city through architecture, the living-building contributes with sustainability, since it collaborates with the thermal comfort and, therefore, with the building's energetic efficiency.

"We have explored all of the available surfaces to potentialize the greenery and to avoid energy and carbon waste," explains Gui Sibaud, Triptyque partner and architect designer of Villa M. The environmental responsibility is also present in the basic and organic material choices, proposing a low-tech architecture.

“

We designed Villa M as a naturalist architectural manifesto: that is, a building of a new era, where man is no longer opposed to nature and the living.

Olivier Raffaëlli and Guillaume Sibaud, Triptyque Architecture, Architects and designers of Villa M.

Villa M's design is intended for the architecture to bring nature back to the city, with the main goal to provide citizens with a new urbane experience with the advent of a "nature-city".

"Breathing, sunbathing, and connecting to nature are vital needs that the urban lifestyle is no longer able to guarantee," states partner Olivier Raffaëlli. "To resist the urban expansion – unsustainable by nature - the city must provide this experience in addition to stimulating the correlation between external and internal spaces in built areas."

The building's 8,000 m² occupation program also bring an innovative proposal: being a dedicated space for those who chose to help save lives – but open to everyone. The mixed-use complex holds a hotel, restaurant, bar, conference area, a check-up area, a co-working space, and a showroom for start-ups in the world of health to promote mixing, exchanges, and mutual aid between the different specialties and the different generations of health professionals.

Villa M, a Paris Society Hotel

The hotel is designed as an enveloping and relaxing cocoon, with breathtaking views of the City of Light. Its 67 rooms and 6 suites have been designed as green spaces. Some of them have a balcony or terrace to admire the Montparnasse and Invalides districts. And, above all, nestled at the corner of the seventh floor, there is the Pasteur Suite: an exceptional suite with large bay windows, a double green terrace, and a living room open to the capital.



In these spaces, guests will find noble and durable materials, organic colors, warm contemporary furniture, the play of mirrors, and eco-responsible products.

It also features the essentials of a high-end hotel - a boxing and fitness club, and yoga rooms - but also 20 open offices and co-working spaces.

GOOD LIVING, GOOD EATING

A unique and timeless place for families and young people to lunch, dine, meet, and mingle around a generous and accessible menu.

Upon entering, the visitor is plunged into a place of life, energy, and benevolence: an Agora made of wood and concrete, vegetation, a friendly welcome, an open kitchen, all surrounded by a luxuriant terrace with trees. The décor evokes the playful and erudite spirit of the French Riviera, where one forgets time, and where we feel good.

The vast and luminous restaurant is highlighted by wood, leather, shelves of books, knick-knacks, mismatched furniture that seems to have a history, large armchairs, wide benches covered with cushions, and ludic surprises. A plural and joyful universe, and a signature of the Paris Society places.

THE RESTAURANT

On the large outdoor terrace, under the shade of the fig trees in summer, five times a week, at nightfall, Villa M becomes one of the most festive places on the Left Bank, with a careful 100% live music program and cocktail menu.

In spring, weekends incorporate the sign of conviviality! Villa M puts brunch in the spotlight to treat late risers, families, friends, from the neighborhood and the whole of Paris, in a relaxed and warm atmosphere. The menu features varied brunch specials - pastries, eggs of all kinds, burgers or salads, pancakes - and a kids menu for the youngest. Special mention to the floor dedicated to children with an animator and games!



THE ROOFTOP

On the top floor, the RoofTop, with its incredible view of the Eiffel Tower, the Dôme des Invalides, and the roofs of Paris, remains an unparalleled experience. A suspended oasis is composed of fruit trees and plants, with large wooden armchairs, Canadian gardeners, wicker lamps, and garlands guinguettes installed. One comes there to have a drink during the day and late into the night. Paris is a feast.

A HEALTH ORIENTED BUILDING

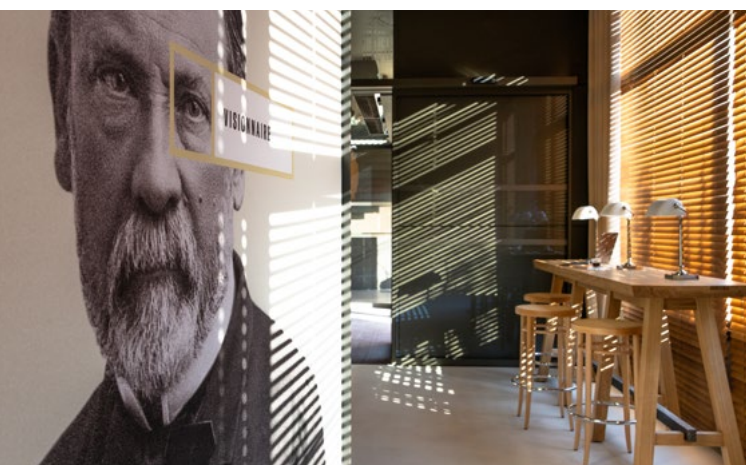
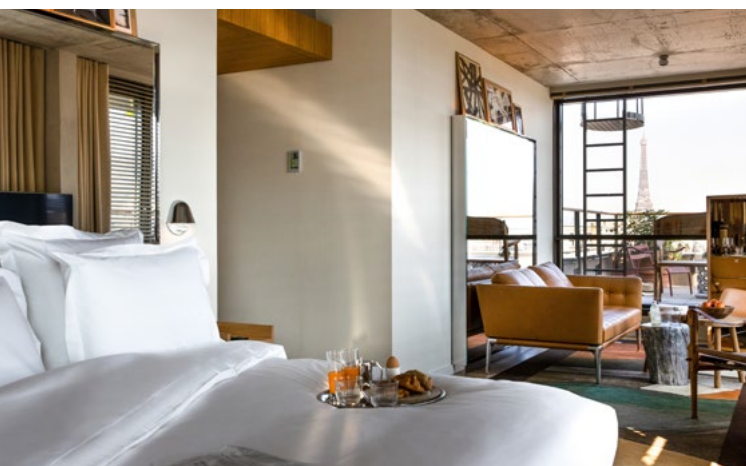
The health crisis has intensified, and accelerated healthcare challenges already known and geographic and urbanistic issues have started to figure as health issues as well. On the other hand, healthcare has exceeded the hospital walls, spreading around the city and creating a more open relationship between citizens and health professionals.

Designed before the Covid-19 pandemic, Villa M's groundbreaking program catalyzes the idea of opening healthcare to the city, and the city to healthcare.

“

Villa M is a model to imagine the city of the future. It is the new Parisian edifice.

*Guillaume Sibaud, Triptyque Architecture,
Architect designer of Villa M.*



VILLA M

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TECHNICAL INFORMATION

Architectural design of Villa M: Olivier Raffaëlli & Guillaume Sibaud - Triptyque Architecture.

Architectural Design et Art director of the spaces of the Villa M : Philippe Starck

Client: Groupe Pasteur Mutualité (Thierry Lorente, General Director of Groupe Pasteur Mutualité e Amanda Lehmann, deputy general director of Groupe Pasteur Mutualité).

Assistant to the Contracting Authority: SCPM Access, Guy Sanoian.

Landscaping: Coloco, Pablo Giorgef.

Building Company: Eiffage Construction.

Total area: 8 000 m².

Materials:

- Structure: Steel/ Concrete.
- Façade: Wood / Aluminum / Glass.

Photo credit: Michael Denancé

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THE DP-FANTASY COLLECTION

FANTASY LIVING WITH DECORATIVE PANELS LAMINATION

Part of the dp-decor range from Decorative Panels Lamination is the wonderful dp-fantasy collection. This range of surface finishes comprises an array of stylish papers foils perfect for a whole host of interiors.

The fantasy collection brings together realistic finishes that do not compromise on performance. From the geometric print of Trigolo in both black and white to the more subtle finishes of Hessian or Maxim White 3D.

There is a design for all styles. Greta CF82 is a classic herringbone design which is extremely on trend, flourishing from the recent demand for geometric prints. Oxide Concrete CF83 adds a cool industrial edge to any furniture piece or kitchen. For a more toned-down feel it can be paired with any of our pastel colours from Dust Pink CU35 to Fjord CU28.

For a statement look use Trigolo Black CF80 or Trigolo White CF81 on furniture fronts, why not use both to create a bold monochrome design. Marble Rocks CF85 is available through special order and will instantly elevate your design to create a luxurious finish without the cost of processing the real thing!

When you add the vast range of substrates available in various widths and thicknesses, with foils available ex-stock, the dp-decor range becomes unrivalled in the industry.

Advancements in material technology within the printing industry has brought incredibly elevated levels of design realism to the finished product. Digital technology used in the creation of the artwork and the engraving of the printing cylinders plus the development of the optical lacquer technology, have contributed to not only the visual appeal of designs but also added tactile qualities that have previously not been available.

The surface resistance of paper foils has also increased with the majority now being able to meet FIRA 6250 and BS6222 severe use so they can be used in kitchens, bathrooms, and bedrooms on all but worktops.

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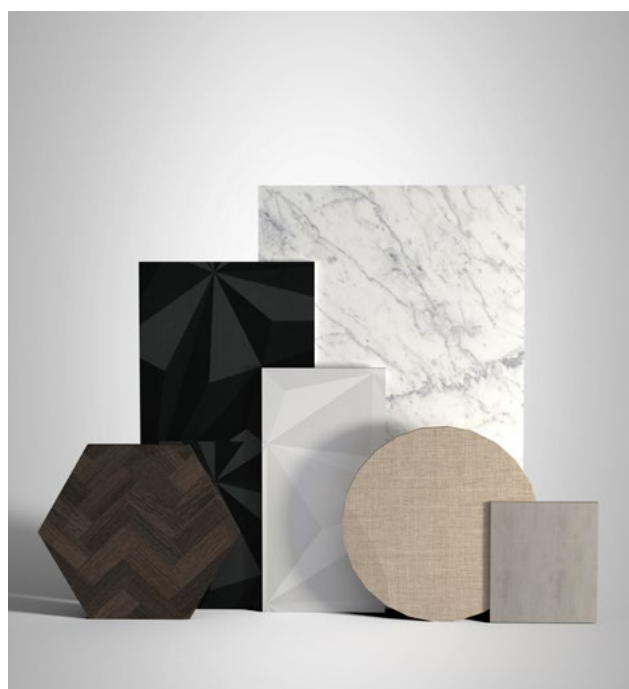
Get in touch today for samples of the dp-fantasy collection or any design within the dp-decor range.

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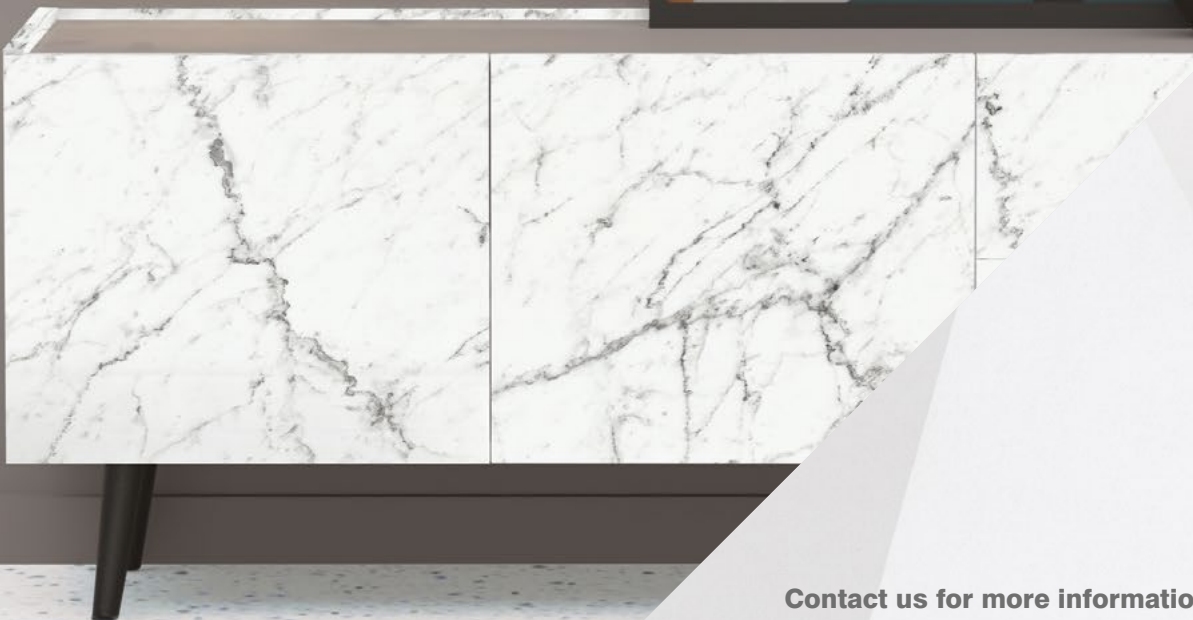
Fantasy living

Whatever your design ideas, you'll find inspiration to complement and elevate them in the dp-fantasy collection from Decorative Panels Lamination.

A range of finishes that nature cannot provide, fantasy represents the best in material technology from the printing industry with levels of design realism like never before.



Finish shown: Marble Rocks



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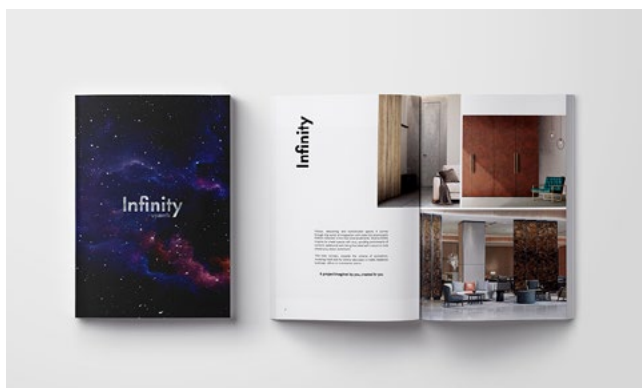
Vicaima, as one of the leading European exponents of contemporary joinery solutions, including interiors doors, doorsets, wall panels and associated furniture products, have just introduced a new brand for professionals called Infinity. Combining their extensive experience within this sector with the latest technological advancements in image realisation, they present a major step forward for the world of interior design, enabling creative vision to be made real, with imaginative design composition that encompasses multiple elements.

No longer constrained by conventional limitations, Infinity provides scope for interior design professionals to think beyond what they thought was possible, towards what they would ideally like to achieve. Whether creating a theme that brings rhythm and repetition, or a more dramatic and contrasting vision with pronounced statement pieces, Infinity can make it real.

Infinity permits almost endless possibilities when it comes to visual aspect, with choice of colour, tone, pattern and even the perception of texture. This enables interior designers and specifiers complete flexibility when aiming to deliver bespoke project solutions. However, for those professionals looking for insight from the Vicaima experts in trends and fashions, Infinity's top three collections offer a myriad of fresh inspiration. Select from either wood, stone or metal for an immersive experience which includes among many others, Spalted Maple, Terrazo Amber and Antique Patina.

Once the design and hues have been chosen, it is then a matter of selecting which joinery elements can be combined to reflect the desired theme. Here Infinity broadens horizons and uniquely permits creators to match and play with individual pieces in a way that has traditionally been limited. Blending integral building elements such as interior door assemblies and decorative wall panels, with more ephemeral components like wardrobes and furniture to achieve the perfect balance.

While flexible aesthetic design is the hallmark of Infinity, it should not be forgotten that as a Vicaima brand, superior quality and performance are integral to all elements. Exceeding industry recognised standards and in the case of doors and doorkits, third



party fire accredited to both TRADA and the British Woodworking Federation, all products are environmentally produced and FSC certificated.

Infinity marks a new era in design for interiors, whether in public, commercial or residential applications. Expanding, evolving and elevating both the creative process and eventual project realisation by combining visionary image technology with industry leading joinery manufacture, to achieve outstanding results.

For more information or to request a brochure visit www.vicaimainfinity.com

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Dusit Thani Laguna

Photo: Gareth Seah

THINKING OUTSIDE THE BOX

MERCURIO DESIGN LAB WINS PRESTIGIOUS AWARD FOR GROUND-BREAKING DUSIT THANI LAGUNA PROJECT

When Laguna Hotel Holdings Pte Ltd wanted to redesign the Laguna National Golf Resort Club they sought the expertise of the Mercurio Design Lab team to create a design that would combine an existing recreational property and a new exciting hospitality complex. Famous for their avant-garde concepts, Mercurio Design Lab was able to deliver a remarkable work that defines a new level of design in the heart of Singapore.

The challenge to integrate new and existing facilities gave rise to an overarching structure that would provide a cohesive space with an unfaltering standard of excellence. The sleek, swooping roof, which makes the architecture, disguised the union of the two large distinct functions—hotel and clubhouse—and not only encloses the building but also becomes the body. Its single, unified, seamless roof thrusts up out of the landscape, sweeping up from the ground to create a shelter for the hotel before surging on to cover the existing clubhouse.

The newly built hotel leads off from a central vestibule and provides 198 tastefully designed rooms and suites. It has a group of penthouses with private terraces cut out of the roof as it vaults up from the ground. The golf club functions include golf cart storage, lockers, changing rooms, and etc. With an all-day dining banquet hall, large swimming pools, Thai spa services, and two

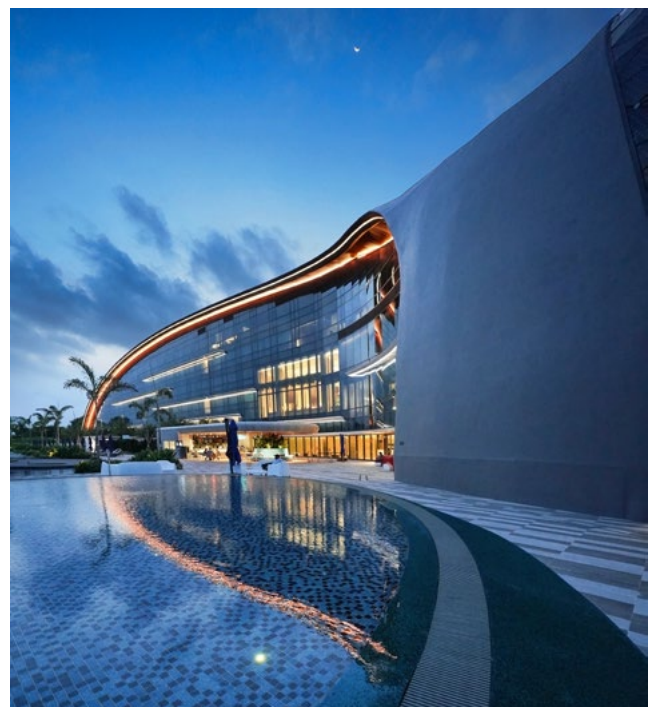


Photo: Veron Ang

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The newly built hotel leads off from a central vestibule and provides 198 tastefully designed rooms and suites.

championship golf courses, Dusit Thani Laguna, a notable golf destination both regionally and locally, boasts of facilities that are perfect for business and leisure. Enticing an international clientele, the Dusit Thani Laguna design had to include a high level of luxury detailing, evident in the carefully sourced materials and finishes.

“The ability to think outside the box and create an iconic building that pushes the boundaries gave our award-winning team a challenge,” commented Massimo Mercurio, Lead Designer and Managing Director. “Rather than a blank canvas, we had to use our imagination and vision as designers to work on the existing clubhouse and incorporate it into a unifying design that not only fulfilled the practical brief but achieved a ground-breaking innovation for which our practice is renowned. To win this prestigious award is a reaffirmation that our studio is a recognized global leader in architecture and design.”

The astounding details, knowledge, creativity, and experimentalism that the Mercurio Design Lab team displayed to fulfill and exceed the brief was strongly apparent to the Luxury Lifestyle Awards panel, which awarded them the title Best Hotel Architecture for Singapore for Dusit Thani Laguna.

For more information visit www.mercuriodesignlab.it

ABOUT LUXURY LIFESTYLE AWARDS

Luxury Lifestyle Awards is a global award selecting, recognizing, celebrating and promoting the best luxury goods and services all over the world. The goal of the company is to connect people with



Photo: Gareth Seah

the best of luxury. LLA has evaluated more than 10,000 various goods and services in 400 categories from 60 countries and analyzed the results to give you a TOP list of the best of the best in the world. Such world-renowned brands as Chanel, Dom Perignon, and Ferrari were proudly named winners. The victory brings companies status and recognition, global promotion and exposure to an entirely new market of customers.

For more information, please visit:
www.luxurylifestyleawards.com



Photo: Gareth Seah



BEST PRACTICE FOR LIGHTING SCHEMES

When planning lighting schemes for public spaces, often the 'less is more' approach is a good starting point. The cost of over-illuminating a space isn't just financial. Specifiers must consider negative impacts of light pollution on wildlife, as well as on human health. Variables such as colour temperature, intensity, glare and positioning all have an effect on biodiversity.

As a rule of thumb, warmer colour temperatures (<4000K) are the best option where wildlife is concerned. Nocturnal wildlife relies on darkness to survive. Bluer colour temperatures which mimic daylight are a huge disruptor of circadian behaviour, in humans and wildlife, producing up to 3 times more visual sky glow.

A common myth is that LEDs with warmer colour temperatures (<4000K) emit a lower light output than their 'colder' counterparts. However, innovation in LED technology means this is no longer the case. In fact, in Lumena's professional solar ranges, the light output between the two is equivalent. Some luminaires even come with a remote control to adjust light output to a level that suits the task in hand.

Another important factor to consider is light distribution. What IS being illuminated compared to what SHOULD be illuminated? Light should be kept to the areas where it's needed, without encroaching onto sensitive spaces such as natural habitats. Most luminaires are fitted with glare shields to reduce large, unwanted spills of light. Designs with a downward light emission are extremely beneficial, only illuminating the required surface below, minimizing both obtrusive light and glare.

Huge care must also be taken around beam intensity. A high lumen output along a busy pathway at 5pm rush hour is helpful, but the



same output at 1am is unnecessary, often causing more harm than good. To combat this, dimming sequences are common practice in high-end, public lighting. For example, Lumena's solar-powered path lights operate a gradual dimming sequence from 100% at dusk, down to 30% during the early hours of the morning. This technique not only benefits the ecosystem but also saves energy.

Specifiers and suppliers have a responsibility to keep light pollution to a minimum. Referring to a luminaire's photometric data ensures a light fitting has the desired distribution and intensity. ILP member, Lumena Lights, has this data available for much of their commercial lighting, including solar path lights and solar street lights, with more on the way. Contact them today with your requirements and they will be happy to help.

www.lumenalights.com



ECCENTRICA

As seen at
The Eden Project

Take the Sustainable Approach to Lighting

As a supplier of outdoor lighting for 10+ years, Lumena has an ongoing focus to keep environmental damage to a minimum. Only low energy consumption LEDs are used in our solar and mains-powered ranges to better reduce energy wastage. In addition, the Radiata Range, including that of the Pacaman (pictured below), uses natural radiata pine as a renewable option for specifiers. Encouraging the use of anti-glare and downwards facing lighting are also focuses for achieving our mission of reducing harm to the environment. Join Lumena in our mission as we work towards a sustainable future with low light pollution.

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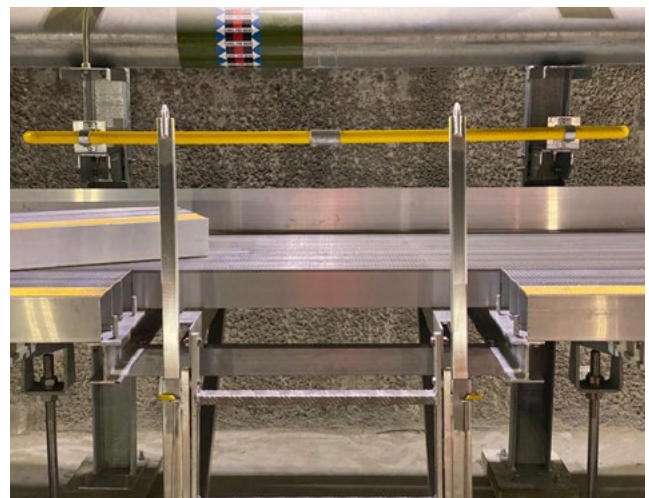
BILCO UK AND HOWE GREEN ON THE RIGHT TRACK WITH THE ELIZABETH LINE

BILCO UK AND HOWE GREEN, MANUFACTURERS OF HIGH QUALITY ACCESS SOLUTIONS, HAVE BEEN SPECIFIED AS PART OF THE CONSTRUCTION OF THE ELIZABETH LINE TO PROVIDE ENGINEERS WITH SAFE AND SECURE ACCESS

Throughout the construction stages of the central section, which spans from Westbourne Park to Plumstead and Pudding Mill Lane, over 350 of Bilco UK's innovative aluminium Ladder Up® Safety Posts were specified by Crossrail's systemwide contractor Alstom TSO Costain Joint Venture (ATC Systemwide).

Weighing just seven kilograms due to their milled aluminium construction, the resilient Ladder Up® Safety Posts provide engineers with unobstructed access to the walkways when conducting essential maintenance throughout the tunnels.

The specification process, managed by Construction & Rail Contractors McNealy Brown, focused on the requirement for durable yet functional access solutions that would consistently provide a safe and direct step through onto the walkway, without impacting on the surrounding electrical services.



“

Weighing just seven kilograms due to their milled aluminium construction, the resilient Ladder Up® Safety Posts provide engineers with unobstructed access to the walkways when conducting essential maintenance throughout the tunnels.



The unique and high quality construction of the Ladder Up® Safety Post fulfilled each requirement of the brief. This includes features such as the innovative telescopic post, which mounts permanently to the top two rungs of any fixed ladder to provide a secure handhold that enables the user to enter or exit the opening in an upright and balanced position.

Clive Burfoot, Contract Manager at McNealy Brown, said: “When we first began researching potential access solutions for the central section, it became clear quite quickly that the Bilco UK Ladder Up® Safety Post was the only product available on the UK market that would fulfil our extensive list of requirements.

“The telescopic extension was one of the main benefits that secured its specification for this project, as it enables the Ladder Up® safety post to be both retracted and extended, a key function that wasn’t available with any other access solution.”

Over 1,500 Howe Green floor access covers have also been installed throughout seven stations by one of the UK’s leading fit-out contractors, DMC Contracts. Howe Green’s 7500 Series stainless steel Floor Access Covers have been installed throughout the ticket halls, walkways and main concourses of each station to provide engineers with secure and concealed access to under-floor services, whilst the tamper proof construction also prevents unauthorised access.

This is due to the cover’s unique design, which features unobtrusive barrel cover lifting points that can only be accessed with specific lifting and securing keys. As only the securing bolt and barrel edge are visible, the covers provide the highest standards of security, without impacting on the overall design scheme or presenting a potential trip hazard.

Manufactured to BS 476: Part 22, the 7500 Series provides resistance to fire and smoke for up to two hours, providing

the highest standards in safety, performance and compliance throughout all seven stations.

With each floor access cover withstanding up to five tonne pneumatic tyre wheel loads, the 7500 Series provides unobstructed access to rodding points and winch systems and electrical pits throughout all areas of the stations.

As the lifting blocks are anchored to the inner frame, the floor access covers can be handled easily and safely by contractors, reducing any potential disruption to passenger’s travel as the maintenance can be conducted quickly and safely.

At Whitechapel Station, 900 Howe Green’s 7500 Series Floor Access Covers in standard and bespoke depths have been installed in single, duct and multipart configurations throughout all areas of the station, including the new ticket hall and station concourse, to provide secure and concealed access to under-floor services.

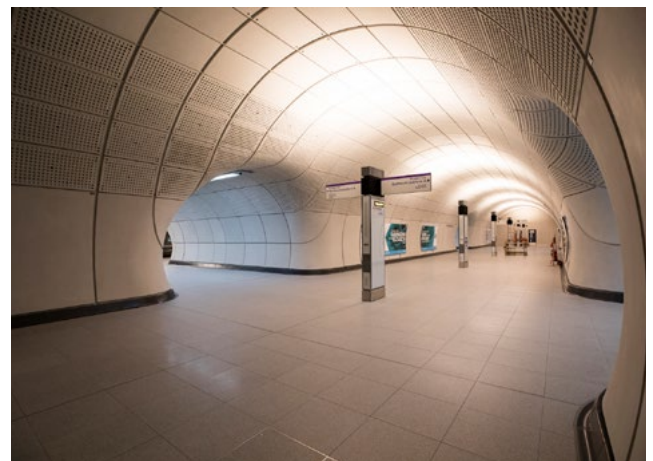
Conor McCann, Director at DMC, said: “Due to the nature and sheer magnitude of this project, it was imperative that we worked in tandem with Howe Green from the initial design and specification stages through to site installation to ensure the successful flooring completion of all the Elizabeth line stations.

“When we embarked on this project back in 2016, it quickly became apparent that no other manufacturer could match the calibre of Howe Green’s expertise and superior product excellence. By working together from the very beginning, we have been able to ensure the flooring of every station has been installed to the highest possible standard and will withstand the heavy footfall of passengers with ease.”

200 of Howe Green’s 7500 Series Floor Access Covers have also been installed at Farringdon Elizabeth line station. The floor covers were installed throughout the entire 25,596 square metre station, including two new ticket halls, which are connected by an underground central concourse, in addition to the 244 metre long passenger platform.

Bilco UK and Howe Green, together with their sister company, Profab Access, form Access 360, which provides a total manufacturing solution for roof, ceiling, wall and floor access products to the construction industry.

For further information on Access 360 and its range of access solutions visit www.access-360.co.uk.





PUBLIC REALM REGENERATION WITH PERMEABLE PAVING

INNOVATIVE SUDS SCHEMES IN TOTTENHAM LONDON

A new case study explores recent urban realm regeneration projects in Tottenham, London exemplifying the synergy of concrete block permeable paving and street trees to address climate change while delivering SuDS. It demonstrates important new techniques applicable to all urban areas.

Completed in 2018, the regeneration of White Hart Lane in north Tottenham, by muf architecture/art, was a pilot designed using 'Healthy Streets' principles. These aim to create: 'streets that feel pleasant, safe and attractive. Streets where noise, air pollution, accessibility and lack of seating and shelter are not barriers ... streets with seating, shade and greenery, and reduced dominance of vehicles by designing for slower vehicle speeds.' The project delivers these aspirations and was one of the first to use the 'Healthy Streets' indicator as a metric.

MULTIFUNCTIONAL PERMEABLE PAVING

But it also applies innovative sustainable drainage (SuDS) techniques introduced by design collaborators Robert Bray Associates. This approach reduces flooding and pollution of the hidden Moselle River through the integration of bioretention raingardens to collect and treat polluted road runoff. In addition, extensive concrete block permeable paving (CBPP) surfaces not only act as SuDS elements – attenuating and treating rainwater runoff – but also enable essential air/CO₂ exchange and optimised water supply for tree roots, using a range of techniques.

A focal point of the scheme is a new Pocket Park, enabled by relocation of a bus stop and removal of extensive asphalt paving. The park is separated from the road by bioretention raingardens, intercepting runoff from the whole width of the 'side-hung' carriageway which acts as a catchment. It also includes long

“

Concrete block permeable paving technology will prove invaluable in delivering the street trees now demanded by planning policies for new developments, as well as regeneration

planters to accommodate mature and new trees, and other green infrastructure, incorporating seating. This also enabled de-paving around a mature but suffocated and asphalt-locked Plane tree.

Love Lane, which runs perpendicular to White Hart Lane in front of the new landmark Underground station, is now a concrete block permeable paved, adopted highway. CBPP can also accept runoff from White Hart Lane and other impermeable surfaces. At two points, structural tree pits span the full width below the road surface connecting road-narrowing tree planters on each side, in readiness for future planting. Based on the ‘Stockholm Solution’ for urban tree planting, the deep structural soil zones form sumps which are hydraulically connected to the coarse graded aggregate sub-base of the permeable paving.

HEALTHIER RESILIENT STREET TREES

This means that in heavy or prolonged rain, once percolated runoff begins to move laterally along the interface between the sub-base and subgrade, it moves toward the structural tree pits where it begins to be attenuated. Once the pits fill to the level of the base of the road sub-base, the attenuation and infiltration spread out over the whole road zone.

This pattern of flow and attenuation means that trees benefit from rainwater collected from an extended catchment, making them healthier and more resilient to drought. Although initially unfamiliar with the structural tree pits, with support and advice the installation contractors soon became comfortable and are now installing them elsewhere.

At the renovation of Broad Lane Square in south Tottenham, the same designers take forward these principles with further

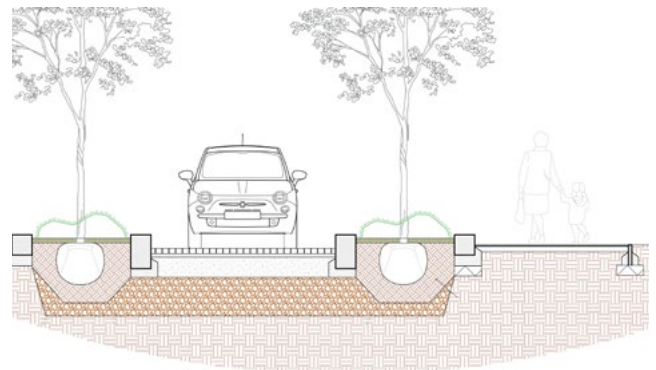
innovations. In particular, ‘inverted raingardens’ protect existing trees and new green infrastructure, supplied with a gradual supply of clean water from extensive CBPP catchments.

PERMEABLE PAVING IN HARMONY WITH TREES

Concrete block permeable paving and street trees have been proven to work together in synergy. CBPP – whether full-construction with sub-base or applied as an overlay on an existing impermeable road base – can collect rainfall away from the canopy and convey it to the tree. It can then simply discharge horizontally into a raingarden, with overflow into existing adapted gulleys. The raingarden stores water during heavy rain for SuDS, retains soil moisture during dry weather and provides additional water quality ‘polishing,’ as well as irrigation.

Alternatively, CBPP can be used over standard tree pits, proprietary tree planters, Stockholm System or other structural soil installations, enabling irrigation and simple air/carbon dioxide exchange essential to trees – without additional reservoirs or pipes. CBPP also avoids tree root disruption common with other paved surfaces. Concrete block permeable paving technology will prove invaluable in delivering the street trees now demanded by planning policies for new developments as well as regeneration.

More information and case studies are available via:
www.paving.org.uk



Structural tree pits connect road-narrowing tree planters on each side, based on the ‘Stockholm Solution’.



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AN UPLIFTING HEALTHCARE PACKAGE

The Heatherwood hospital in Ascot is a fore runner in the new hospital landscape. Designed by BDP for Frimley Health NHS Foundation Trust, the £98 million hospital emphasises both patient and staff mental and physical wellbeing.

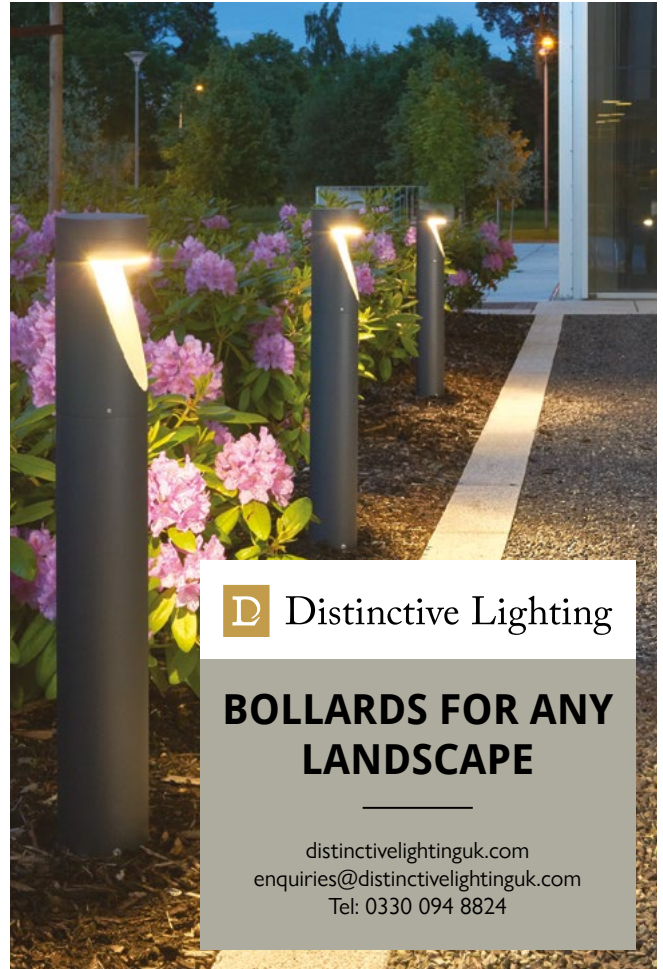


BDP's design for the new building exploits the hospital's stunning natural setting to maximise the wellbeing benefits that access to nature can provide.

TRILUX was the energy-efficient lighting partner for the complete project, from the downlights in the bathrooms to linear fittings in the corridors, weatherproof and industrial lighting for the back of house areas, external wall lights, and the specialist lighting in the theatres.

Central to the scheme was TRILUX's Livity Vision recessed LED panels, which are installed in all six theatres, printed with works of art inspired by nature, providing a feature to focus on while undergoing a stressful scan or treatment.

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With its admirable goal to create safe and sustainable investments while promoting the name of Qatar, Qetaifan Projects stands out as one of the country's most influential property developers, consistently delivering projects of unrivalled quality. The company's vision is to redefine real estate development with its commitment to providing innovation, great living experiences, diversity and sustainability.

Founded in October 2017, Qetaifan Projects is owned by Katara Hospitality, a leading global hotel owner, developer and operator based in Qatar. With 50 years of experience in the industry, Katara Hospitality's portfolio includes 42 hotels worldwide, spanning three continents in Qatar, Egypt, Morocco, UK, France, Italy, Spain, Switzerland, The Netherlands, Singapore, and Thailand.



“

The thriving waterfront hub stands proudly as a symbol of vision and insight that aspires to become one of Qatar’s iconic destinations.

Qetaifan Projects lead the industry, setting new standards and achieving results in their quest to build cities of sustainable and intelligent infrastructure towards meeting the Qatar National Vision for 2030. They are committed to always acting with integrity, valuing every individual for their diverse backgrounds, experiences, ideas, approaches and styles.

The company’s development is the spectacular Qetaifan Island North. This modern, unique community is situated off Lusail City in Qatar, covering approximately 1.3 million square meters. Its design is inspired by the rich culture and nature of the region.

The main feature of the island is the state-of-the-art waterpark. It offers rides inspired by the Qatari culture and the oil and gas industry theme, including The Icon Tower, the world’s highest tower of its kind.

The main artery of the island, the Linear Park, links all the zones together. An artificial Salt Canal linked to the sea allows visitors to enjoy fishing, boating, and other family-friendly attractions. The comprehensive facilities along the lake’s shore offer a wide range of entertainment opportunities for the whole family.

The world-class facilities on the island include a luxurious hotel offering elegance and comfort with expansive sea views and private beaches. Guests will also have easy access to the Souq and retail plaza to enjoy a unique shopping experience.

There are also seven private beaches and a family-friendly luxury beach club with a white sandy beach, infinity pool, restaurants and a dedicated kid’s area.

The thriving waterfront hub stands proudly as a symbol of vision and insight that aspires to become one of Qatar’s iconic destinations. The first-class residential offering consists of beach villas with waterfront or city views. A fully integrated lifestyle is provided for all residents with comprehensive facilities, including a medical centre, school, and a mosque. The nearby retail and festival plazas are the community’s hub for hospitality and leisure.

The highly innovative development at Qetaifan Island North encapsulates the exceptional values and vision of Qetaifan Projects on its quest to become one of the world’s leading real estate development companies. That is why the panel of experts at Luxury Lifestyle Awards has chosen Qetaifan Projects as a double award winner in two categories. These are for Best Luxury Real Estate Developer in Qatar, 2022 and Best Luxury Mixed-Use Development in Qatar, 2022 for Qetaifan Island. This is the second time the company has been recognized by Luxury Lifestyle Awards, previously named winners in 2019.

You can find more information about Qetaifan Projects and its latest development by visiting its website.

www.qetaifanprojects.com





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A1 OR A2? IS IT JUST A NUMBERS GAME?

Ecodek's Technical Manager, Michael Roberts, explores if there's a need to chase the A1 fire classification for Polyester Powder.

THE A1 OBSESSION

"The need to improve on fire classifications has led some companies to uncompromisingly chase the A1 classification of non-combustible paint finishes on metal work. There is no doubt that the development of material technology to prevent any further incidents of fire spread on buildings is a must, but have we reached the limits of what is possible with a powder coating paint finish?"

SETTING STANDARDS

"For specifiers and powder coaters of architectural aluminium, the recognised European Standard is BS EN 12206. This standard goes hand-in-hand with Qualicoat, the internationally recognised specification for the production of high-quality coatings on aluminium products for architectural applications. These specifications also determine whether your product can be classified as A1."

TALKING THICKNESS

"According to AkzoNobel, a leading coating supplier, if you are applying a polyester powder coating to a non-combustible



metal to Qualicoat certified standards, then it cannot be above 25µm(microns) thick if you are claiming it achieves A1. Qualicoat states that to meet its Class 1 - 2 coating specification the minimum coating thickness should be 60µm and to meet Class 3 is a minimum of 50µm - so reaching A1 is unachievable using their certified coating system."

EDUCATING THE INDUSTRY

"Manufacturers are currently obsessed with achieving A1 status, whilst contractors believe only products achieving such standards are fit for purpose. And this is the problem – a lack of understanding about the difference between the A1 and A2 classifications.

"A2 products are not sub-standard and by better understanding the differences between the A1 and A2 ratings, those involved in the construction industries will find they have a greater choice of products, without having to compromise on safety or quality."

www.ecodek.co.uk



1 PANASONIC WINS AC PRODUCT OF THE YEAR AT THE NATIONAL ACR & HEAT PUMP AWARDS 2022

The Panasonic Etherea Air Conditioning units which features Panasonic's nanoe™X technology was announced as the winner of the AC Product of the Year award category at the recent National ACR & Heat Pump Awards 2022 that took place at a celebratory dinner in Leeds at the Queen's Hotel in June.

Jose Alves, UK and Ireland's Country Manager for Panasonic commented on the win, "I'm thrilled that the judges of the National ACR & Heat Pump awards, as well as others, continue to recognise the growing success, green credentials and high energy efficiency of the Panasonic product range. We are proud of the long-term benefits as well as the energy efficiency that the Panasonic Etherea units with nanoe™X technology provide to our customers."

www.aircon.panasonic.eu

2 FOCUSING ON DESIGN FOR RECYCLING AND REPURPOSING TEXTILE FLOORING WASTE

Carpet Recycling UK is an independent non-profit membership association working with the supply chain for textile flooring. We help foster strategic collaborations and networks to develop viable solutions for carpet and other textile flooring waste. With an international network and core funding from flooring manufacturers Balsan, Betap, Brintons, Condor Group, Cormar, ege, Furlong Flooring, Gradus, Headlam Group, IVC Commercial, Milliken, Modulyss, Rawson Carpet Solutions, Shaw and Tarkett, our network spans the carpet supply chain and waste recovery sector.

Through Carpet Recycling UK, manufacturers are helping their clients with sustainable product ranges and to segregate their fitting and uplifted wastes, saving on costs and resources.

www.carpetrecyclinguk.com

3 THE IDEAL CHOICE FOR MODERN EXTENSIONS

The Stratus Aluminium Lantern Roof System is the ideal choice for modern extensions and orangeries, coupling architectural good looks with truly outstanding performance.

Designed from the ground up as a thermally broken system, the Stratus lantern is up to 65% more thermally efficient than competitor systems.

Available in 2-way, 3-way, pyramid, or contemporary designs, with sizes up to 3m x 6m, the Stratus Lantern offers ultra slim, modern good looks thanks to a ridge that's 66% smaller than other lanterns. Finished in a hard-wearing powder coated exterior for a premium, architectural look and available in any RAL colour (including different colours on each face), the Stratus Lantern offers outstanding good looks, class leading performance, and is quick and easy to install.

www.stratus-lantern.co.uk

4 RAWSON CARPET SOLUTIONS

Rawson Carpet Solutions have released their new branding along with new products and credentials. Rawson's commitment to sustainability has seen the release of 'RECOVER' a fully recyclable carpet sheet and tile solution made from 80% recycled materials. The recycled content is GRS (Global Recycled Standard) accredited. The Range now comes with full EPD's (Environmental Product Declarations) with the BRE. The EPD's extend to the full heritage range as well. At the same time the Nylon Range is diverse and Rawson will be revealing a new unique structured nylon tile solution in 2022. The image shows the successful installation of structured nylon plank 'RIVEN' at the Cambridgeshire County Council new Alconbury Hub Offices, providing a sinuous flowing pattern through the space.

Tel-01924 373421

www.rawsoncarpetsolutions.co.uk

PREMIUM OFFICE SPACE

WIDD SIGNS DELIVERED SIGNAGE SOLUTION FOR A PREMIUM OFFICE SPACE AT ATLANTIC QUAY (6AQ) IN THE HEART OF GLASGOW'S INTERNATIONAL FINANCIAL SERVICES DISTRICT

Originally built in 2003 and home to leading finance experts such as Barclays and JP Morgan, 6 Atlantic Quay (6AQ) is situated in the heart of Glasgow's International Financial Services District (IFSD). With its desirable location and design potential, 6AQ was identified as a significant opportunity to attract new blue-chip occupiers in a highly competitive marketplace. It underwent an extensive CAT A fit-out upgrade through the entire building to restore it to a premium office space. Widd Signs were approached by leading fit-out contractor, Graham, to develop and deliver the signage solution for the scheme.

COLLABORATION

Alongside renowned architects Cooper Cromer, Widd Signs was tasked with ensuring the internal and external signage solution reflected the new contemporary brand identity of the building and conformed to the remodelling and enhancements made to each of key elements designed, from the new entrances and lobby areas through to the basement and underground car park. This challenge allowed the Widd Signs team to take a consultative approach and demonstrate its unrivalled experience. This was done through the careful selection of material choices and installation methods to ensure the solution could be easily integrated across the diverse surfaces, with minimum disruption to the other trades and the fast-paced programme.

SOLUTION DELIVERED

The internal signage solution consisted of a range of sign types including intricate laser-cut feature branding; an edge-lit, block acrylic 6AQ logo for the reception desk; anodised cladding within the entrance lobby; and a large, digitally printed wallcovering for the new auditorium space within the main atrium.

Visible on arrival at the building, the feature 6AQ signage was created utilising our recently installed high-powered CO2 laser and completed with a unique paint finish using our in-house specialist paint mixing process and direct-to-surface printed graphics. Using a unique, partially edge-lit block acrylic, the 6AQ logomark was mounted to the front of the bespoke reception desk to create a focal point and to reinforce the building's new brand identity.

Widd Signs also developed a large format, digitally printed wallcovering using polycril media, to create eye-catching branded graphics across vast surface areas of the ground floor, enticing users to utilise the breakout space and seating. Other key elements of the internal signage solution included digitally printed and plotted specialist high-tac WW100 vinyl. This was used to deliver large, vibrant supergraphics and directional wayfinding information to otherwise bland concrete and blockwork walls within the basement and car parking areas, aiding navigation to main access routes and amenities.

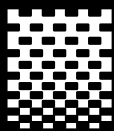


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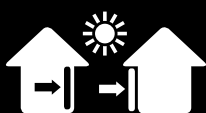
The external signage solution involved the manufacture and installation of a lightweight, hand-fabricated 3-dimensional 6AQ logo. Using a hidden fixing method, the logo was mounted at a high level to the new vertical feature fins to ensure it didn't detract from their seamless design.

www.widdsigns.co.uk

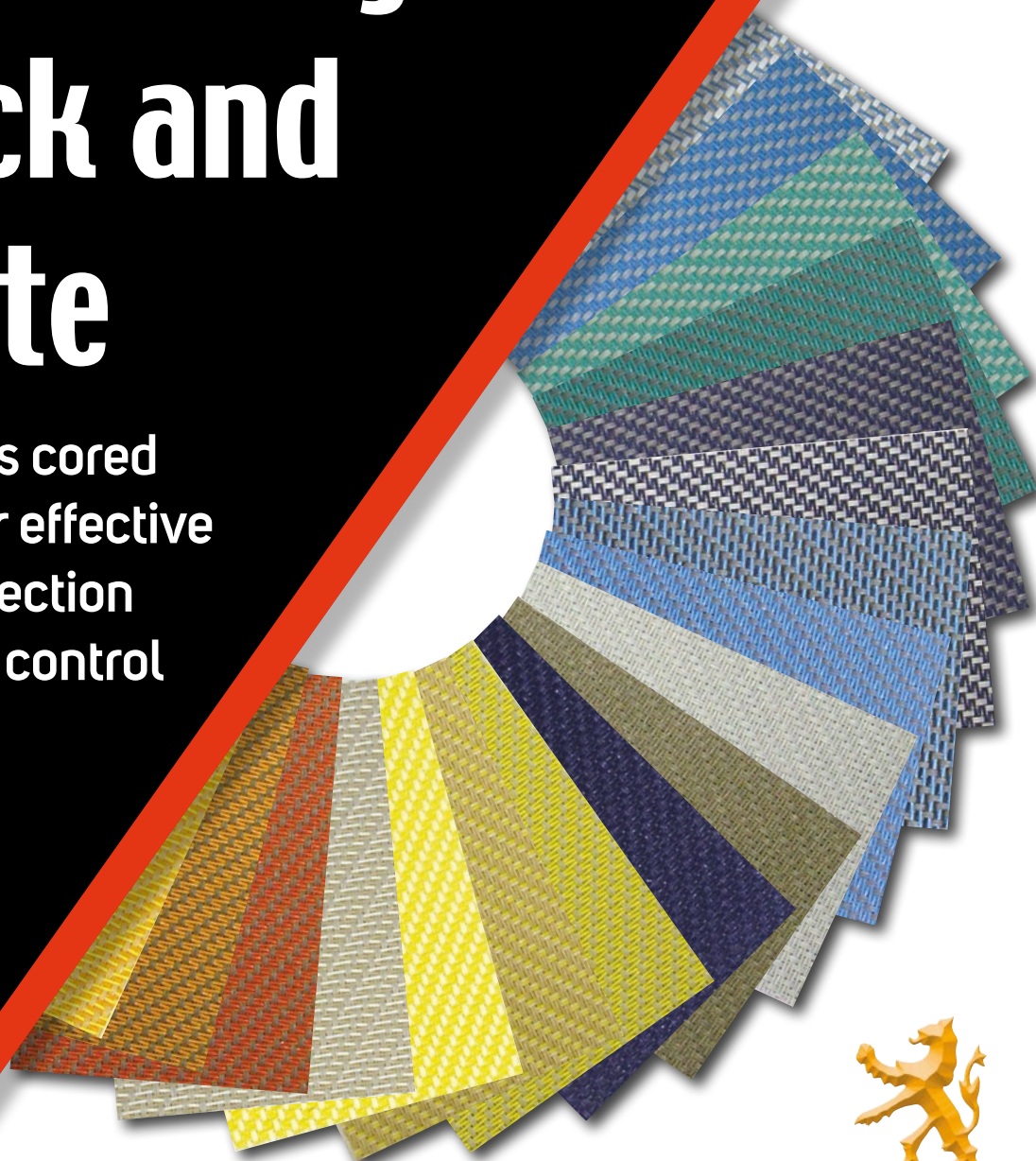


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