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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.

With sharp editorial content, a cutting-edge design approach and informative written style, our advertisers and readers alike can take confidence in our experience and ability in matching your product to the needs of the marketplace.

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HAVE YOU GOT A PROJECT YOU ARE PROUD OF?

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



LUTON DIRECT AIR-RAIL TRANSIT

ARUP

The Luton DART (Direct Air-Rail Transit) is a pioneering fully-automated people mover that transports travelers from Luton Airport Parkway railway station to the terminal of London Luton Airport in under four minutes. The project was designed and delivered by a holistic multi-disciplinary Arup team, including Architects, Engineers, Planners and Specialists. Arup's Architecture team designed a common language of bold, sculptural parasol structures that support the roof and allow light and air to enter the stations, whilst protecting passengers from the weather. This created striking spaces that are open and generous in size, naturally lit and ventilated.



“

Luton DART marks a significant investment in the town’s civil infrastructure by Luton Borough Council’s airport company Luton Rising.



Providing travelers with a speedier, greener, and more efficient journey, the Luton DART will help reduce the proportion of passenger and employee trips to the airport by car. The new airport transfer facilitates faster journeys from across the rail network. Passengers traveling from London St Pancras to the London Luton Airport terminal can now do so in as little as 32 minutes, making this one of the shortest airport connections to and from central London.



ARCHITECTURAL FOCUS

Luton DART marks a significant investment in the town's civil infrastructure by Luton Borough Council's airport company Luton Rising. Arup has played a key role working alongside Luton Rising on this landmark infrastructure project, assembling a large team of architects, engineers, and specialists to help meet the client's aspiration for a world-class airport experience. Arup's role covered all aspects of the planning, costing, procurement, and design, including station architecture, operating systems, and operational readiness.

The scheme comprises two stations, a viaduct, a bridge, and a 'cut-and-cover' tunnel beneath a live taxiway. Arup has created a sense of place for passengers, with intuitive and easy-to-navigate spaces. DART Parkway and Central Terminal stations are characterized by their signature parasols. A simple and functional style delivers a consistent and high-quality architectural experience for travelers' journeys from start to finish.

The project prioritizes accessibility with numerous features to facilitate ease of use for all passengers, including tactile paving and audio frequency induction loops. The two stations have created a new identity for Luton Airport with their signature parasols that are repeated across the wider development. Each parasol is held by a single centrally loaded column and cantilevers across approximately 20m in width. These bright sculptural forms are cleverly detailed to appear elegant in their design, bringing joy and delight to passengers.

Both DART Parkway and Central Stations are naturally ventilated throughout the concourse and platform areas, lowering the operational carbon footprint of the stations against a mechanical approach. The transport system is powered by an efficient electric drive system which incorporates energy recovery during braking. The energy can be consumed in the vehicle (HVAC) and elsewhere in the station facilities, reducing the total energy consumption of the whole system.

The new station, with its highly reflective parasol cladding, maximizes daylighting to improve passenger and staff wellbeing. The project brought together the collaborative effort of architects, engineers, and experts across Arup to deliver a design that was innovative, elegant, and environmentally innovative.

www.arup.com

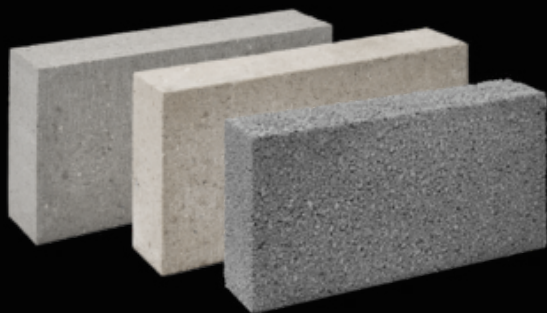


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IMPORTANT FIRE SAFETY CONSIDERATIONS FOR SOLAR ENERGY PLANTS ON ROOF TOPS

LISA STEPHENS, PRODUCT MANAGER FOR THE BUILDING ENVELOPE AT ROCKWOOL® UK, EXPLAINS WHICH SAFETY MEASURES NEED TO BE CONSIDERED BEFORE INSTALLING SOLAR PANELS ON A ROOF

As the result of increased efforts to reduce carbon emissions, coupled with the rising cost for energy and general living expenses, the UK and Europe have seen a rapid growth of the market for solar energy.



Flat roofs have been used as an additional space to house building services equipment, including installations for the generation of renewable energy, for many years. When planning the installation of roof-top solar panels, all parties involved (designers, specifiers, owners, contractors and insurers) have to be aware of any associated potential fire risks, and engaged in mitigating them.

What needs to be considered for roof-top solar installations

The use of non-combustible flat-roof materials, including insulation, is a straightforward way for designers and developers to address the fire hazards associated with the building envelope, including where solar PV is installed.

This approach follows best practice guidance from some insurers, who may recommend that buildings they cover utilise non-combustible materials in high-risk areas such as the roof. New guidance published by the Fire Protection Association (FPA) under its RISC Authority research scheme suggests a similar solution: "PV installations should be installed on non-combustible roofs meeting Class A1/A2 s1, d0 to BS EN 13501-1. Fires involving combustible roofs will spread quickly, without the benefit of any protection installed within the building."

The organisation also addressed this topic in 'Need to Know Guide RE3: Rooftop-mounted PV Solar Systems': "Ensure roofing materials are non-combustible (Class A1/A2 s1, d0 to BS EN 13501-1) OR if installation on a combustible or partly-combustible roof is unavoidable, then apply a fire resistant covering."

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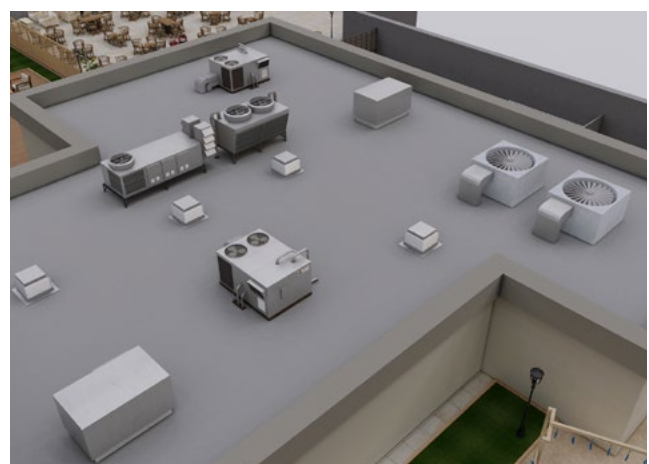
Flat roofs have been used as an additional space to house building services equipment, including installations for the generation of renewable energy, for many years.

Compliance and liability

In England, Approved Document B provides guidance on how designers can meet building regulation requirements for fire safety - but there are multiple routes to compliance, and different ways to demonstrate an appropriate level of fire protection. Responsible parties must consider carefully whether their specific project adheres to the statutory requirements, rather than to the guidance alone.

ROCKWOOL recently launched the new whitepaper 'Flat roofs: The functional fifth façade'. It offers practical advice to simplify specification whilst going above and beyond legislative requirements.

For more information and to download the whitepaper go to: <https://rockwool.link/RW-ArchetechFF>



Introducing: The Recladding with ROCKWOOL® Guide

As the recladding sector faces increasing challenges, specifiers are in growing need of support to ensure high-quality delivery of recladding projects.

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BETTER WITH BRICK

CELEBRATE CLAY BRICK'S CONTEMPORARY, MULTI-VALUE APPEAL WITH BDA CAMPAIGN

Better with Brick, a multi-faceted campaign delivered by The Brick Development Association (BDA), cements the notion that there is more to clay brick than meets the eye.

Featuring blogs bursting with expert analysis, professional guidance and statistics that will enlighten and possibly astound, Better with Brick sheds fascinating new light on the historic material's relevance to our current and future building needs.

Keith Aldis, CEO of the BDA said: "With Better with Brick, our goal is clear: to reveal the timeless charm and unwavering reliability of clay brick, a material that has long been the cornerstone for builders, architects, and homeowners. This campaign will highlight why clay brick isn't just a choice, but the best choice for your building needs. So, please join us in celebrating clay brick; a gift of a building resource that keeps on giving."

Better with Brick goes beyond the building site to highlight clay brick's evergreen appeal to architects, contractors and property owners alike. It looks at the knowns - clay brick's excellent strength, availability, kerb appeal and lower carbon footprint compared to many alternative materials - whilst unearthing some of the beloved material's lesser-known benefits. An example of this is clay brick's sustainable value aside from its inbuilt long-term weather resistance. Also, have you considered how clay brick could be pivotal to decarbonising construction and contributing to the national effort to achieve net zero?



“

Better with Brick goes beyond the building site to highlight clay brick's evergreen appeal to architects, contractors and property owners alike.

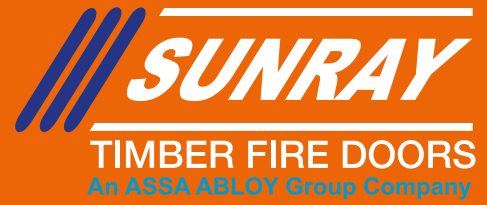
And there's more: did you know that clay brick's non-combustible performance is hallmarked by its A1 fire-rating? Better with Brick will outline in full each of these crucial underlying benefits, as well as reveal how the Brick Makers Quality Charter manages its credibility in respect of clay bricks.

The BDA encourages you to follow the association on social media platforms to hear directly from brick manufacturers, architects, and other industry experts about why clay brick is their preferred choice. Search for @brickdevelopmentassociation on your favorite platforms and join the conversation using the hashtag #betterwithbrick.

But the campaign doesn't stop there! Be sure to watch the launch video here: <https://youtu.be/Fc-DeNrsQgk> and stay tuned for upcoming interviews and videos that will be posted on their social media channels in the coming weeks and months.

"Better with Brick" offers a comprehensive and compelling exploration of this timeless material, revealing its contemporary significance and potential in modern construction. Discover more about the benefits of clay brick and the BDA's campaign here: <https://www.brick.org.uk/better-with-brick>.

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STANDARD AND BESPOKE ISOKORBS FOR ARNOLD ROAD SCHEME

A 100% affordable housing scheme at Arnold Road, in Bow, East London, will create 62 homes in two mid-rise buildings of six and eight storeys. Designed by architects Henley Halebrown, the scheme - which was shortlisted for the 2020 Housing Design Awards - is cleverly woven into a compact triangular site. The architectural concept breaks what might have been one long building block into two separate buildings, permitting morning and afternoon light to penetrate between the buildings. This reduces their impact and improves the microclimate for residents and neighbours as well as increasing the surface area of the new buildings to achieve 80% dual aspect homes. Together the buildings frame an entrance courtyard designed to encourage residents to meet and talk, and children to play together.



Arnold Road images
Images courtesy of Henley Halebrown

Thermally broken recessed balcony terraces

The heavy masonry façades incorporate recessed balcony terraces and Schöck have supplied Isokorb structural thermal breaks for both the in-situ concrete balconies and the precast concrete façade banding. On the eight-storey South Block the inset balconies are supported on two sides using the Schöck Isokorb T type Q. This is a load bearing thermal break element for transferring shear forces on supported balconies, recessed balconies and for occasional peak shear forces. The six-storey North Block features typical internal corner balconies with external corner column support and again features the Schöck Isokorb T type



Some of the bespoke Isokorbs supplied by Con-Tech Services Ltd

Q, along with the T type H for the transmission of planned horizontal forces parallel and/or perpendicular to the insulation level.

Two Isokorb types for the stone bandings

For the precast stone bandings on the project two Isokorb products were utilised. The T type F, which is a load-bearing thermal insulation element for curtain parapets and balustrades, which transfers normal forces, moments and shear forces.

The T type K is also used and is a load bearing thermal break element for free cantilevered balcony construction and transfers negative moments and positive shear forces. For Arnold Road the product had to be specially adapted and required a bespoke design 500mm in length - but supplied in 1m lengths. The precaster, Barnsley-based Con-Tech Services Ltd, then cut the Isokorb in

half on site for the required detail. To avoid any clash of reinforcement, the two covers were designed and detailed with 50mm cover required on the north and south elevation and 30mm cover required on the east and west elevation.

The widest range in Europe

The fully compliant and dependable Schöck Isokorb range offers the widest selection of structural thermal break solutions from any European supplier; and in the UK enables projects to meet full compliance with the necessary Building Regulations (and the impending Future Homes Standard criteria where relevant). In addition to the Isokorb types used on this project, there are also solutions for concrete-to-steel, steel-to-steel, renovation projects - and even a maintenance free alternative to wrapped parapets. All products have the security of independent BBA Certification, which provides NHBC approval. The temperature factor requirement (fRSI) used to indicate condensation risk, which must be equal to, or greater than 0.75 for residential buildings, is also easily met by incorporating the Isokorb.

Contact Schöck on 01865 290 890; or for full details of the Isokorb range of solutions visit: www.schoeck.com/en-gb/isokorb

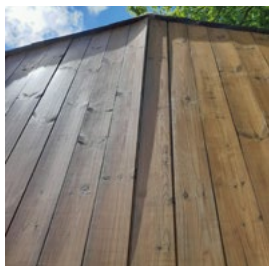
DOES YOUR EXTERNAL TIMBER CLADDING MEASURE UP?

British standard BS8605-1:2014, covers the manufacture of external timber cladding. It contains guidance on profile characteristics to help reduce the risk of movement related issues associated with the effects of moisture on wood.

Designers and architects need to be aware that not all external cladding profiles on offer comply with the Standard and if such issues are to be avoided, following the guidance represents best practice.

Why size matters

Timber absorbs moisture from the air. Varying seasonal levels of moisture in external wood cause it to move, i.e. expand and contract across the grain, so in terms of cladding boards it affects width and thickness.



A case where incompatible species and profile specification has resulted in movement issues (medium movement Scots Pine, T&G: 144 mm wide with an 8 mm tongue width).

Width to thickness ratios for all profiles is set within the range of 4:1 to 6:1 in the Standard, although more than 6:1 is possible with modified wood Accoya® due to its 'very small movement' classification. Interlocking profiles such as Tongue & Groove (T&G) can be more problematic and here the standard limits board width to 125mm, unless very small movement timber is used. When boards are too wide and /or tongues too small, disengagement is more likely to occur as the timber expands and contracts and the cladding can pull away from the wall.

NB: There are always exceptions to the rules. Profiles which are technically non-compliant may be acceptable if there is compelling evidence to support fit for purpose performance.

For more advice, visit www.tdca.org.uk or call 01977 558147

Table 1: A: Minimum movement gaps for Tongue & Groove (T&G) and shiplap profiles
B: Minimum tongue dimensions for T&G profiles (ref: BS 8605)

TABLE A: MOVEMENT GAPS for T & G/SHIPLAP Profiles			TABLE B: TONGUE DIMENSIONS for T & G Profiles			
BOARD WIDTH (w) mm	MINIMUM Movement Gap (mg)		MINIMUM Tongue Width (wt)		MINIMUM Tongue Thickness (tt)	
	SMALL movement species	MEDIUM movement species	SMALL movement species	MEDIUM movement species	SMALL movement species	MEDIUM movement species
50	2 mm	2 mm	8 mm	8 mm	5 mm	5 mm
75	2 mm	2 mm	8 mm	9 mm	5 mm	5 mm
100	2 mm	3 mm	8 mm	12 mm	5 mm	6 mm
125	2 mm	4 mm	10 mm	15 mm	5 mm	7.5 mm
150	3 mm	-	12 mm	-	6 mm	-
175	3 mm	-	14 mm	-	7 mm	-
200	4 mm	-	16 mm	-	8 mm	-



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A MODEL FOR INCLUSIVE DESIGN

WESTERN MICHIGAN UNIVERSITY STUDENT CENTER

CannonDesign introduces the new Student Center at Western Michigan University (WMU), a beacon of inclusion. Located on lands historically occupied by Ojibwe, Odawa, and Bodewadmi nations, the building is designed to be a student-centered gathering place that champions belonging and honors the roots of Native American heritage embedded throughout the site.

Replacing the Bernhard Center, the new vibrant space is designed to foster connection, community, and collaboration for all students. The three-level building features gathering and lounge spaces, dining options, the campus bookstore, an anticipated on-campus brewpub, retail locations such as FedEx and Starbucks, and more.

Here, inclusion goes beyond small design elements, as the entire building and its design is a testament to the university's commitment to fostering belonging and inclusivity. This project not only serves as a model for creating an authentic and inviting student center, but also demonstrates the opportunities that exist for prioritizing inclusivity in all aspects of campus life.

With input from thousands of students, the building layout was developed from the concept of "C3" spaces: collide, collaborate, and conspire. The idea was for the flow and spacing of the floorplan to facilitate interstitial opportunities for students to connect with each other throughout the building. It aims to facilitate the types of engagement students identified as a driver for an atmosphere of belonging. Student feedback also influenced a design that incorporates elements of Native American culture,



such as the idea of the sitting circle. Rather than the straight walls and rectangular spaces that are customary in traditional architecture, the building features mostly curved walls and circular rooms.

The celebration of nature was also a theme that served as a conceptual cornerstone of the building, incorporating inspiration from local natural elements. The ground floor rises out of the site and is clad in stone, which mirrors the bedrock of the region, Coldwater Shale. The middle level is wrapped in glass and features exposed columns, mimicking the experience of walking through a Michigan forest. The upper level features gold fins that fan out around the façade, providing sun protection and reflecting cutouts that mimic a tree canopy shadow onto the exterior glass and into the interior spaces.

“

Here, inclusion goes beyond small design elements, as the entire building and its design is a testament to the university’s commitment to fostering belonging and inclusivity.



The iconic central atrium, lined with wood and lit above by skylights, is known as the “Heart,” invoking the forests of Michigan that include plenty of cedar trees. Among many of its uses, the Heart is a place where affinity groups meet, featuring sitting areas, performance spaces, and flexible spaces - all just steps away from the constant beam of natural light that flows from the roof all the way to the ground floor.

The new student center delivers a truly student-centered environment curated to help all students to feel recognized, to make connections, and to explore.



All at once, the building simultaneously nurtures community and individuality by inspiring students to discover and share their voices, while learning about those whose identities are different than their own.

Technical sheet

Name: Western Michigan University Student Center

Size: 163,000 square foot

Associate architect: Hobbs + Black Architects

Key Project Team Members

- Charles Smith - Project Principal
- Brett Lawrence - Project Manager
- Carrie Parker - Planner/ Programmer
- Robert Benson - Project Designer
- Renee Wallace - DEI Consultant
- Paul Terzino - WMU Student Center Director
- Chris Sligh - WMU Director, Student Engagement and Leadership Programs

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Rhino Yellow Pozi multipurpose chipboard screws in our blue Rhino skin printed box

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Rhino concrete frame screws in our Rhino skin orange box

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Rhino Drywall screws in our Rhino skin blue printed box

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FENESTRATION CONSIDERATIONS FOR HEALTHCARE

BY WOJCIECH BROŻYNA - MD ALUPROF UK

The key consideration for any hospital or healthcare facility is the well-being of patients, this can be evaluated as offering patient safety and providing a healthy environment to aid recovery. Whilst building fabric plays its part, fenestration, in the form of windows doors and curtain walls, offer an immediate link to the outside which can provide both a patient benefit and carry associated risks. The correct choice of modern fenestration systems and associated hardware is crucial to wellbeing and patient care.

Murat Uyanmis, who served as Project Director at TP Bennet for over eight years and was involved in retrofitting the NHS Trust's building at 18 Mole Park in Surrey which features Aluprof system comments: "This short editorial covers the majority of the design intent when considering the development of healthcare projects. The review is especially important when specifying the performances of various suppliers and manufacturers when clients offer alternatives to original specifications."

The Department for Health has produced 'Health Building Note 00-10, Part D: Windows and associated hardware give best practice' offers guidance on the design and planning of new healthcare buildings and the refurbishment or extension of existing facilities. The main safety risk associated with opening windows is potential falls.

The recommendation for preventing falls from windows in healthcare premises is to assess the risks of patients falling from windows and implement control measures. This includes conducting a risk assessment that takes into account the patient category and physical capability, not only for new builds and refurbishments, but also for all existing stock. If risks from falling are identified, control measures should be put in place, which usually involves the use of windows with restrictors and where necessary, safety glazing. It is also important to specify the correct type of restrictor at the procurement stage and ensure that the restrictors and their fittings are robust enough to prevent vulnerable and determined adults from forcing them open beyond the 100 mm restriction. Additionally, window restrictors should be included in planned preventative maintenance and monitoring schedules with any damaged or defective restrictors being repaired or replaced. Murat Uyanmis also adds, "In certain occasions, doors that have access to the terraces may require restrictors in healthcare projects.



The risk assessment should also be reviewed in light of any findings related to the restrictor failure.

Whilst newly built healthcare facilities offer a 'clean sheet' for design, there is much that can be done to refurbish existing healthcare facilities. The first step is to engage with manufacturers of fenestration systems to discuss the possibilities of retrofitting modern fenestration into existing buildings. This early engagement allows for a better understanding of the options available and the feasibility of the retrofit.

Many older healthcare buildings do not comply with current regulations regarding thermal efficiency. By replacing and upgrading windows to thermally-efficient systems, existing buildings can reduce heat loss and lower energy costs. Aluminium window systems with high-performance thermal breaks are a wise investment as they are easy to maintain, have exceptionally low U-values and require minimum maintenance throughout their extensive lifespan. The lower the U value the higher the thermal efficiency of the system.

Natural daylight has a positive impact on wellbeing, so it is important to provide uninterrupted views of the outside for healthcare patients. Aluminium windows allow for larger expanses of glazing in slimmer frames, maximising daylighting. Additionally, the use of aluminium curtain walling and fixed light windows can create more welcoming entrance areas and reduce reliance on artificial light.

Notwithstanding Health Building Note 00-10, replacement windows should feature easy-to-use opening mechanisms or trickle vents to ensure well-ventilated spaces. Substantial window restrictors are

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Aluprof offer one of the widest range of aluminium fenestration systems which include high-performance fire-rated doors and screens.

a given standard, but more recent innovations, such as parallel push style windows, can provide controlled ventilation and airflow while negating the risk of falls.

Murat Uyanmis adds, “Whilst high thermal efficiency windows come in a range of options, heat can also escape through doors, so it is important to choose door systems that achieve low U-values to minimise energy loss. Automatic opening doors, such as sliding doors, are ideal for hospital environments as they save space, can be made to larger sizes than standard doors and reduce touch points. Swing doors are also popular for quick access, but they should be robustly constructed to withstand the demands of a busy hospital environment and where necessary be fitted with 90° hold open devices where required. Certainly, all entrances are required to be DDA compliant for ease of access.”

Glazed doors can also aid navigation and boost daylighting in main entrances and communal public areas. While they may not be suitable for areas requiring privacy, they can make a significant difference in enhancing the overall environment. Aluminium framed commercial doors are suitable for interior spaces as they are non-corrosive and can withstand rigorous cleaning procedures without compromising their finish. Aluminium screens and doors can offer high levels of fire resistance and are a perfect option to compartmentalise and offer safe escape routes in case of fire.

In summary, the benefits of modern fenestration can be retrofitted into existing healthcare buildings through early engagement with manufacturers, upgrading windows to low U-value systems, maximising natural daylight, ensuring well-ventilated spaces,



choosing doors with low U-values, and using glazed doors for navigation and daylighting. Situations in the UK where facades face south can be fitted with fixed or adjustable shading systems which can help control solar gain. Aluprof offers a variety of solutions for sun control in such scenarios.

There are proven benefits of naturally ventilated wards in hospitals, these include reduced cross-contamination. Opening windows inwards allows for the circulation of fresh air, which helps to dilute and remove airborne pathogens. This can significantly reduce the risk of cross-contamination between patients.

Research has also shown that naturally ventilated wards have lower cross-infection rates for airborne respiratory diseases, such as tuberculosis and COVID-19. This is because the fresh air helps to disperse and remove infectious particles, reducing the chances of transmission. Natural ventilation is a low-tech solution that does not require expensive high-energy systems. It can be a cost-effective way to improve air quality and reduce the spread of infectious diseases in all healthcare settings.

Pressurised ventilation systems, if not properly maintained or designed, can contribute to the spread of infectious diseases. By relying on natural ventilation through openable windows, healthcare facilities can avoid potential issues associated with faulty mechanical systems, inaccessible ducts, and poor maintenance. Natural ventilation can also have positive effects on the overall health and well-being of patients and healthcare workers. Fresh air and natural light from open windows can create a more pleasant and comfortable environment, which may aid in the healing process and improve the overall experience of being in a healthcare facility.

Aluprof offer one of the widest range of aluminium fenestration systems which include high-performance fire-rated doors and screens. All systems are offered with technical support to ensure the right system, options and hardware meet expectations. As important, Aluprof can also offer reveal design support to minimise thermal bridging.

Aluprof are proud to be one of Europe's largest aluminium systems companies. Specification support is available through the company's website at aluprof.co.uk, directly from their UK head office in Altrincham or from their London office at the Building Design Centre by phoning +44 (0) 161 941 4005.

www.aluprof.com

ALUPROF
ALUMINIUM SYSTEMS



3C AWARDS

THE BLT BUILT DESIGN AWARDS 2024 INVITES ARCHITECTS AND DESIGN PROFESSIONALS TO SHOWCASE GLOBAL EXCELLENCE

As the doors open to submissions, professionals and emerging talents are invited to be part of a community that appreciates and celebrates innovation. Whether established architects or interior designers, BLT Built Design Awards offer a platform for their work to be recognized among the best in the world.

The renowned 3C Group has officially opened submissions for the fourth edition of the BLT Built Design Awards. These awards aim to acknowledge the expertise of professionals engaged in the realization of exceptional projects on a global scale, encompassing architectural firms, interior designers, landscape studios, and construction product innovators.



Photo: Ema Peter & Bernardo Rodriguez

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Whether established architects or interior designers, BLT Built Design Awards offer a platform for their work to be recognized among the best in the world.

The program is open to professionals, emerging designers, and students until September 29, 2024, and promises to attract entries from some of the most forward-thinking firms from all around the world!

In 2023, the awards received over 700 submissions from 45 countries, showcasing the astonishing range and quality of projects. Top winners included Haus Balma, Switzerland, by Kengo Kuma & Associates for Architectural Design of the Year, Flat #6 in Brazil by Studio Mk27 for Interior Design of the Year, Phase Shifts Park by Mosbach Paysagistes for Landscape Architecture of the Year, and RENCO from the United States for Construction Product Design of the Year.

“The BLT Built Design Awards bring together the best and brightest in architecture and design, spotlighting inspired projects, accomplished leaders, and their innovative ideas,” expressed Astrid Hébert, Co-founder and Program Director. “We are proud to support and promote these professionals, both established and emerging, as they push the boundaries of what is possible in the construction industry.”

The award winners are selected through an in-depth voting process conducted by a jury panel consisting of renowned architects, academics, media representatives, and industry experts. Their selections showcase international design excellence, avant-garde architectural concepts, new sustainability approaches, and creativity in architecture, construction, interior, and landscape design.

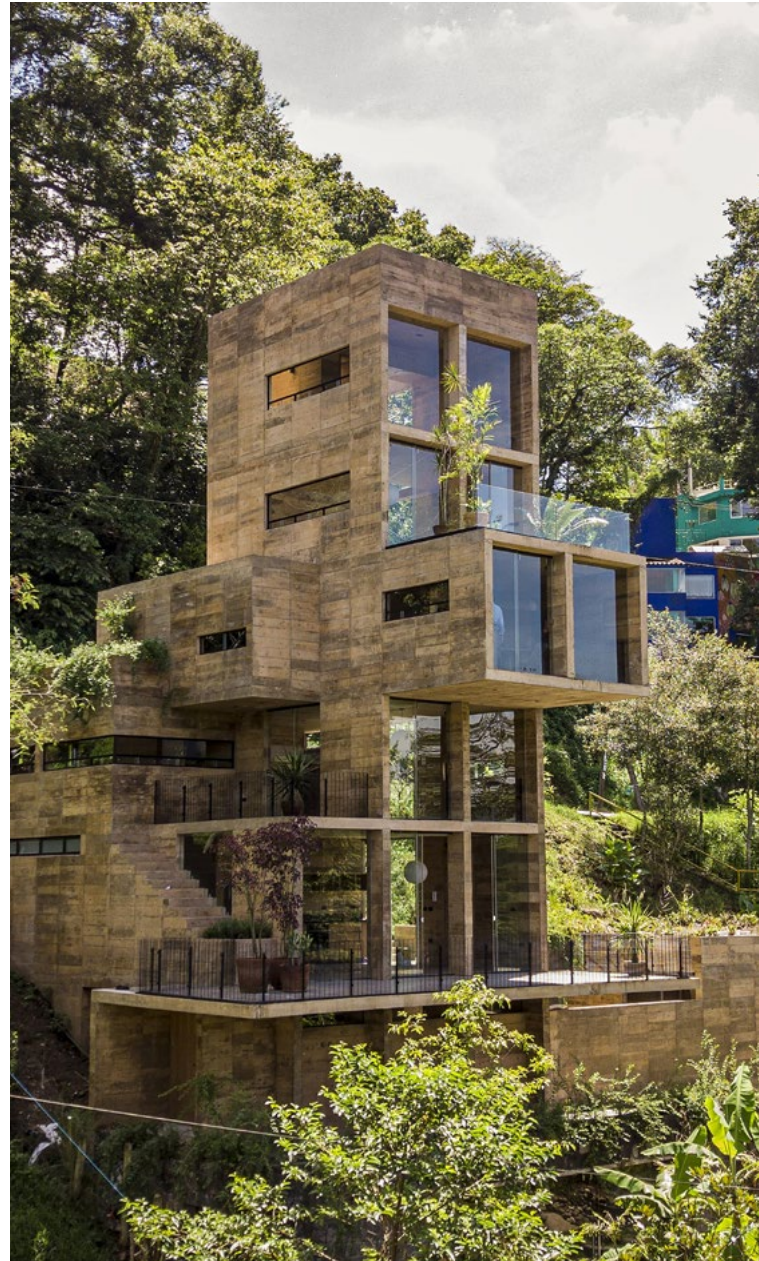


Photo: Onnis luque, Naser Ibrahim Nader



Photo: Azure Peace



Photo: Legendary Productions

ARCHITECTURAL FOCUS

The 2024 jury, comprising experienced architects, designers, developers, academics, and media representatives, will select the winners in each category in October 2024. Past jurors have included Stanislas Helou, founder of Thinking Luxury; Sonsoles Vela Navarro, Associate Director of the Architectural Program and Lecturer at Tulane University; Waad El Hadidy, president of The Medusan; and Thomas Hoepf, FAIA, Senior Vice President and Design Director at EXP Architects + Engineers, among others. The 2024 jury members will be announced later this year.

Last November, the BLT Built Design Awards Gala, held at the stunning KKL Luzern in Switzerland, welcomed influential figures from the global design community. Imagine being part of this prestigious event, where renowned personalities such as Zaha Hadid Architects and Studio MK27 were honored for their outstanding contributions. Joining the BLT Built Design Awards Gala offers a unique opportunity to showcase expertise, connect with industry leaders, and celebrate shared passion for innovation. Register now to be a part of this exciting opportunity and take advantage of the early bird discount of 10% for registrations made before March 31st. Don't miss out - visit www.bltawards.com for more information and to register.



Photo: Nelissen Steenfabrieken



Photo: Ronald Tilleman, Ronald Zijlstra



Photo: Naaro

OSMO WOOD FINISHES

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Highly Repellent



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TRITON SYSTEMS WATERPROOFS ICF SUB-STRUCTURE FOR LISTED FARMHOUSE EXTENSION

Products from the range of Triton Systems have been used to waterproof a semi-buried single storey extension to an old listed farmhouse in Sussex. The contract, features the use of Insulated Concrete Formwork (ICF) to construct the 30 metre long curving walls which have then been protected by Archer Specialist Treatments, using Triton's EX100 membrane and Double Drain barrier to direct groundwater into a land drain around the base. Triton fillet was also used at the floor/wall junction to prevent moisture penetrating the joint.



Paul Halliwell, Director of Archer Specialist Treatments, commented: "This has been a relatively routine project for us - waterproofing a retaining wall - so we did not need to call on Triton Systems for design assistance on this occasion, but we do get very good support from our area sales manager, Steve West: which is one of the reasons I've stuck with the company for so long as our supplier of waterproofing systems. In the two decades or more we've been using Triton, we have come to depend on the product range's quality and reliability for all types of residential projects in different ground conditions."

EMAIL: info@tritonsystems.co.uk | **TEL:** 01322 318830
WEB: www.tritonsystems.co.uk

EARTHBORN COLOUR OF THE YEAR 2023

If you're looking for warmth and sophistication in a paint finish, look no further than Earthborn's Colour of the Year 2023, Lady Bug - a rich, jewel-toned burgundy.

As we enter the new year, interiors are moving away from the ever-popular soft neutrals and leaning towards cocooning colour and statement spaces. A dramatic yet cosy hue, Lady Bug adds endless warmth and timeless style to both contemporary and traditional homes alike.

Lady Bug is available in Claypaint, Lifestyle, Eco Chic and Eggshell No.17 finishes.

For a sustainable, environmentally sound specification, check the paint is Ecolabel approved. Earthborn paints have achieved this demanding standard, which covers every aspect of a product's manufacture, use and disposal. Because they are virtually VOC free, they do not give off any toxic emissions, so rooms can be brought into use more quickly and are much healthier for the building and its occupants.

www.earthbornpaints.co.uk



LUXURY, CONVENIENCE, AND SUSTAINABILITY: INSIGNIA'S SUPERB SHOWER RANGE

"The design we love the most," says Leon, CEO of Insignia Showers, **"is when clients send us photos of their showers placed in the centre of the bathroom".**

This bold approach of positioning your shower cabin as the centrepiece in your bathroom sounds like an avant-garde move only someone with a 7-digit income can afford. Yet, Insignia Showers has dared to make it possible for practically anyone living in the UK.

Hassle-free, Leak-free, and Stunning

When the owners of Insignia Showers began designing their products nearly 20 years ago, the focus was on creating showers that simplify re-making your bathroom without sacrificing style and wellbeing.

It's safe to say they've achieved the objective. Why, you ask? Not only are all showers created with superb materials and following the strict design specs, but when you buy an Insignia shower you have a single cost. Nothing additional to spend, no additional time to waste. Just pick your preferred design, choose your size, and voila.

There are **three key lines** that you must know about.

1. The ECOnomy range

Free-standing shower cabins, which require no electricity, that can be placed practically anywhere in the room (so long as you can connect them to pipes), and bring you the superb leak-free design of Insignia for a starting price of £749.

2. The Enhanced Shower Cabins

Insignia's Platinum and Premium ranges elevate the shower experience. Designed to please the eyes and make showering a bliss, Insignia's showers offer advanced features like Leak-free tray design,



ECOnomy Range

chromatography, and full multimedia, allowing you to bring your favourite sounds along for your daily showers.

3. The Steam Showers

If you've ever thought you'd like to spend more time in the spa, but duty calls and makes it difficult, then perhaps this is the range for you. Packed with all the benefits of our Premium and Platinum Enclosed Showers, Insignia's steam showers will make your skin glow and clear your mind in just 10 minutes a day.

And of course, there's more

When you're so good at something, you don't stop with a single product. To complement their fabulous shower range, Insignia offer home saunas, shower cabins with a bathtub (and yes, it's also a features massage jets), steam generators, and more to help you turn your home into the only spa you'll ever need.



Steam Shower



Insignia Outdoor Sauna



Enhanced Shower Cabin

Insignia

Elevate Your Design with Insignia's Luxury Showers

Scan code



A Symphony of Light and Luxury in Every Shower

Introducing the future of bathroom luxury – Insignia Showers. These cutting-edge designs are crafted to elevate your architectural and interior projects, blending seamlessly with the aesthetics of modern living spaces. Experience the pinnacle of innovation with our steam showers, equipped with the latest technology to offer a spa-like retreat in the comfort of your home.

www.insigniashowers.com

EXTRACTION AT THE HEART OF YOUR HOB; HOB AT THE HEART OF YOUR KITCHEN

ELICA'S NIKOLATESLA RANGE OFFERS THE WIDEST SELECTION OF EXTRACTOR HOB'S AVAILABLE IN THE UK

The range incorporates the latest technology to ensure both the best cooking experience as well as the effective extraction of fumes and odours. All models in the range have the highest extraction speed on the market at 5.1m/s enabling them to capture fumes and odours as they start to rise.

The range includes NikolaTesla Fit, which brings style and performance to homes where space is limited. FIT is the first induction hob with integrated extraction that can be installed in a standard 60cm base unit. The standard FIT comes in two widths - 60cm and 72cm - but both fit into a standard 60cm base. Also available is the 80cm FIT XL with four cooking zones, and if you need to cook with larger pans, you can combine them into two bridge zones.

NikolaTesla Unplugged the latest extractor hob which brings together the elegance of the hugely successful NikolaTesla Switch and the benefits of analogue control. Unplugged is controlled through beautifully machined knobs which provide smooth, instantaneous and intuitive access to all its features. In either all black glass or black glass and stainless-steel design with a clean separation of the cooking zone from the control area. Three automatic cooking features - Melting, Warming, and Simmering - make it a joy to use.

For those who prefer gas, NikolaTesla Flame has been developed in compliance with all safety standards to find the right balance between the burners and extraction from below that replaces a traditional kitchen hood. It has four burners and the most powerful one has two concentric burners: use the central one for small pans or both for fast cooking with bigger pans.

And then there is the iconic NikolaTesla Switch Glow, which takes care of extraction for you: the invisible and quiet built-in extractor automatically adjusts based on the quantity and type of fumes.

Or choose the competitively priced NikolaTesla Alpha, which automatically adjusts extraction power by detecting active cooking zones, and thus setting the most suitable fume and odour capture level. At top speed, Comfort Silence technology guarantees minimum noise disturbance at only 61 dB(A).



Above,
NikolaTesla
Flame

Left, Nikola
Tesla Switch
Glow

Below,
NikolaTesla
Unplugged



All come with a five-year warranty and flexible installation options.

www.elica.co.uk

LONDON'S LAFAYETTE NIGHTCLUB – NOW WITH SANICUBIC

Located in Kings Cross, the Lafayette, a musician-friendly club, initially opened in 2020 but faced a swift closure due to lockdown. After reopening in 2021, it quickly gained fame in the UK music scene, hosting numerous shows by renowned bands. However, the venue needed help with its waste disposal system. Wastewater from newly installed facilities was not draining properly, causing blockages and inconvenience. PumpServ, a pump solutions company, proposed replacing existing pumps with the Saniflo Sanicubic 2 Pro lifting station.



This solution eliminated extensive civil work and ensured efficient waste disposal. David Knight of PumpServ praised the simplicity and effectiveness of the Saniflo solution, which resolved the nightclub's drainage issues. The installation showcased the practicality of Saniflo's commercial range in lifting and disposing of waste efficiently.

For further information visit www.saniflo.co.uk

SCHLÜTER-LIPROTEC SHINES A LIGHT ON INTERIOR DESIGN

Schlüter-Systems has strengthened its portfolio of bathroom systems for the UK domestic market through the availability of advanced control light technology which enhances aesthetics whilst also offering almost unlimited creative choice. Encompassing the latest LED technology, Schlüter-LIPROTEC creates restful lighting for relaxing spaces, or bright, colourful lighting for a busy family bathroom or kitchen.



Schlüter-LIPROTEC has a broad range of applications, from direct or indirect lighting effects, enabling the interior designer, architect or property owner to illuminate feature walls, pictures, tiled areas such as shower enclosures or study spaces, kitchen countertops and stairways; in fact, anywhere the creative mind can conceive a plan for.

The collection offers the option of neutral white, warm white or RGB+W LEDs; the latter allowing for coloured and white LEDs on a single strip, to generate coloured light or temperature-controllable white light, which can be selected from 2500 K to 6500 K. The system can be programmed to deliver a choice of 16 million colours via a Bluetooth app and remote control.

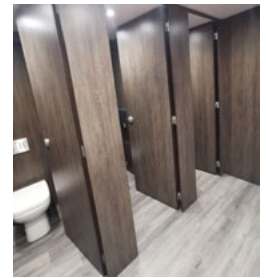
For further information, call 01530 813396 or visit www.schluter.co.uk

POWERFUL AND ROBUST SOLUTIONS

QDOS Event Hire, a prominent player in the event sector renowned for providing top-tier temporary accommodations and facilities at prestigious UK events like the Chelsea Flower Show and Wimbledon, QDOS relies on Saniflo pumps and lifting stations for efficient waste discharge, ensuring a pleasant experience for attendees. The Sanibest Pro caters to single WC and accessible toilets, offering durability for heavy commercial use. For larger applications, such as toilet blocks, QDOS opts for Sanicubic lifting stations with multiple connection points, exemplified by installing 12 units at Glasgow's Winterfest.



QDOS, procuring Saniflo products from local merchant Richmond's, emphasises the brand's quality, robustness, and reliability, making it their preferred choice for years. Jonathan Reid, QDOS Regional Manager, says Saniflo offers a hassle-free solution, contributing to enhanced event facilities and customer satisfaction. Saniflo products are crucial for the company's diverse projects, including installing a 'Changing Places' accessible toilet block. While some events allow connecting Saniflo products to on-site sewers, most



involve using storage tanks regularly emptied by specialist waste removal services.

QDOS appreciates the simplicity of Saniflo installations, noting their staff's expertise in handling these products. While alternative solutions like composting toilets are suitable for low-volume applications, QDOS primarily caters to large-scale events, making Saniflo's powerful and robust solutions, like the Sanicubic, indispensable. The company's longstanding partnership with Saniflo reflects a commitment to quality and reliability, ensuring that their facilities seamlessly meet the demands of high-profile events.

For more information on Saniflo waste discharge solutions please visit www.saniflo.co.uk or call the in-house technical team on 020 8842 0033 who can advise on rates, flows and volumes.

ENERGY-EFFICIENT APPLIANCES BUILT TO LAST

BEKO APPLIANCE PARTNERS OFFER TAILORED SOLUTIONS TO SUIT ALL SPACES AND PROJECT BUDGETS

Best known for their popular Beko range, the UK's number 1 best-selling large home appliance brand with products used in 1 in 4 homes in the UK, Beko Appliance Partners is the company's dedicated contract specification division. The company are able to offer a wide portfolio of energy-efficient appliances from their competitively-priced Beko brand to new homes projects, as well as a selection of products from their premium Grundig brand.

With options available to suit all spaces and budgets, Beko Appliance Partners' appliances blend seamlessly into any modern kitchen aesthetic, offering innovative technologies designed to save users energy, time and money. Energy and water efficient technologies enable the appliances to not only meet but also exceed the necessary criteria for planning, helping to contribute towards lowering the operational carbon emissions of new homes.

With the imminent Future Homes Standard dictating that new homes built following 2025 must effectively produce 75-80% less carbon emissions than is currently accepted under building regulations, specifiers should be looking for products which satisfy these requirements.

Beko's energy-efficient technology is evident across its product ranges, meaning the company are able to offer the complete solution to enhance new homes. The brand's range of AeroPerfect™ ovens, for example, all come with an 'A' energy usage rating. Designed with simplicity and energy efficiency in mind, the sleek-looking range improves upon the all-too-familiar fan oven, reaching new heights of performance whilst retaining the competitive pricing synonymous with the Beko brand. This market-leading technology, which offers 35% faster cooking than previous fan ovens, has been recognised with 10 Which? Best Built-in Oven awards. The technology features in all single built-in ovens within Beko's contract range, from the entry level model through to the highest specification version, making energy efficient innovation accessible to all, whatever the project budget.

With models benefiting from low water and energy consumption, earning them an impressive 'A' energy rating, Beko's CornerIntense® dishwasher technology features a unique spray arm rotating on a movable axis to ensure intensive and effective cleaning. An ideal



choice for open plan kitchen layouts, the dishwasher is equipped with the company's unique brushless ProSmart™ Inverter Motor, allowing the machine to rotate at optimal speeds to increase overall efficiency and allow a quieter operation. The dishwasher's Self-Dry™ function further optimises energy usage by automatically opening the door after the programme is finished, allowing air to circulate through the machine leaving dishes perfectly dry.

Beko's AquaTech® range of washing machines clean clothes in a quicker and gentler way without sacrificing wash performance, completing a full load in as little as 28 minutes. Water and detergent cascade from the top of the drum, replacing harsh drum movements and resulting in a wash that is up to 50% faster and up to 50% gentler. Beko Appliance Partners are also able to offer washer dryers from Beko's RecycledTub® range, where recycled plastic bottles have been transformed into high-performance and durable materials in each tub.

Completing the company's offering of energy efficient features across its product ranges, Beko's HarvestFresh™ fridge freezers use innovative three colour light technology in the crisper drawer to cleverly mimic the sun's 24-hour cycle, preserving vitamins in fruits and vegetables for longer.

For further information on Beko Appliance Partners
Website: www.appliance-partners.bekopl.com
Email: appliancepartners@beko.co.uk



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demista has been proven and accepted nationally and internationally and through its unique reputation and unblemished track record has been the number one choice for specifiers of mirror defoggers for over 26 years. A product range that is available in a large range of standard sizes to suit almost any mirror and bespoke sizes can be supplied if required.

In addition to being a trusted name for heated mirror pads, demista also offers electric underfloor heating solutions to offer clients a complete solution in bathroom design.




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demista products have been fitted in some of the worlds most prestigious properties and hotel developments, including The Burj Al Arab, The Royal Atlantis, Fairmont Dubai, The Intercontinental O2 and other high value developments in London

demista the original and trusted name for mirror heat pads and underfloor heating solutions throughout the world.

To find out more please visit www.demista.co.uk

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Healey and Lord Limited offer a range of good value high quality, design focused sanitary ware to suit both traditional and contemporary projects. Our wide range of products are available from stock for quick delivery. All products are manufactured in Western Europe or the UK.

Our modern range of sanitaryware is uncluttered with clean lines and simple and striking finishes to suit projects with a contemporary style. We can offer feature wash basins that are wall or stand mounting with chrome, brushed brass or matt black fittings. We have a range of matching modern toilets and bidets that complement our basins perfectly. Our range of taps, fittings and flush plates complete the aesthetic for any contemporary bathroom scheme.

Our classic range of sanitaryware offer simple timeless elegance for the bathroom. We offer a range of toilets in close coupled, back to wall and wall hung designs with a wide range of toilet seat and metalwork finishes available. Our basins are available in a variety of sizes with options for wall, pedestal or stand mounting. We offer our classic range with chrome, nickel or unlacquered brass fittings. Our Classic range of taps perfectly complement our basins to give a high-quality finish to any traditional scheme.

We offer a full range of washroom equipment for commercial projects including Florida and Niagara urinals, back to wall and wall hung toilets with a range of basins, taps and accessories in a wide pallet of

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Our range of taps, fittings and flush plates complete the aesthetic for any contemporary bathroom scheme.



finishes. We also offer a full range of no touch taps with matching toilet and urinal flushing systems.

We specialise in the supply of disabled toilet and washroom schemes to suit all projects. We have an extensive range of products designed to compliment modern and traditional schemes perfectly.

www.healeyandlord.co.uk

INNOVATION & TRADITION

INTRODUCING NEW COLLECTIONS FROM TILE OF SPAIN

Pioneering products crafted with meticulous attention to detail, Tile of Spain is delighted to share new tile collections from a selection of its ceramic tile manufacturers. Each of the new ranges shows a commitment to excellence and a passion for pushing design boundaries to offer incredible products for both walls and floors.



Varena by Decocer - Specialists in small tile designs, Decocer's new Varena range is the embodiment of Mediterranean style offering customers two sizes, 10cm x 40cm in a gloss finish and 5cm x 25cm in a matt finish, in two organic colourways: Natural and Cream. Authentically nature-inspired and pared-back, the collection is suitable for walls and floors.

Wadi by Equipe - Equipe's new Wadi range is suitable for both classic and contemporary homes. Available in 10 colours with natural shade variation, from neutral Snow to bold Garnet, the brick tiles are 6cm x 30cm in format. Customers have a choice of two finishes which are designed to be combined for an eye-catching look. The Wadi tiles are textured and matt in design, while the Wadi Decor tiles boast an intricate gloss pattern.



Musa by Bestile - Exquisitely textured and rustic, the new Musa range by Bestile is a collection of nine nature-inspired shades, ranging from neutral Blanco to Antracita grey. A classic brick tile in a 6.5cm x 20cm format, with a shiny, gloss finish and distressed aesthetic, the porcelain tiles can be used on both walls and floors.



Deco Pottery by Gayafores

- A collection of decorative porcelain 'kitkat' tiles inspired by artisanal pottery, the Deco Pottery range by Gayafores is available in a larger 32cm x 62.5cm format. Each tile relief has 60 vertical listels, which when placed continuously, generate endless surfaces for both floors and walls.



FS Nouveau by Peronda - The charm of rustic décor combines with modern functionality in the form of the new patterned FS Nouveau collection from Peronda. Available in two captivating colours, Ruby and Sage, in a 45cm x 45cm size, the eclectic designs blend classic elegance with a nod to the beauty of Mediterranean design.

www.tileofspain.com

VICAIMA24/7

VICAIMA REVOLUTIONIZES CUSTOMER SUPPORT AND SERVICE AUTOMATION WITH ITS TRANSFORMATIONAL AI CHATBOT

In an era where flexible working is increasingly the norm and technological advancement moves at an ever-increasing pace, Vicaima is proud to announce the launch of their new AI-driven knowledge base, Vicaima24/7. This innovative tool is not just a testament to Vicaima's commitment to customer-centric innovation but a leap forward in providing round-the-clock support and answers to customer queries.

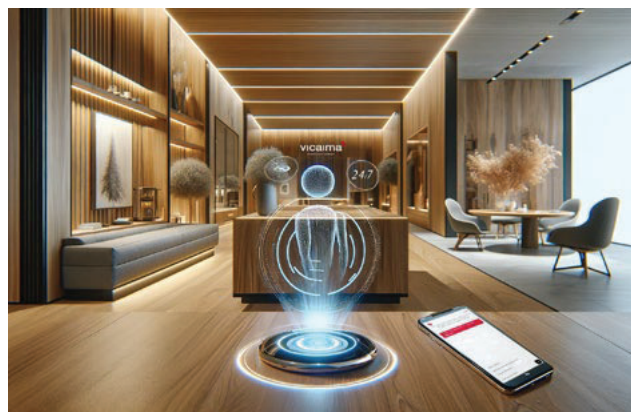
Enhanced Customer Service: Vicaima24/7 stands out as a cutting-edge solution for providing continuous support and rapid responses to customer inquiries, considerably improving the user experience. This AI-driven tool is designed to seamlessly answer questions, guiding users to a wealth of information spread across installation instructions, maintenance advice, technical datasheets, and many other resources, thus ensuring customer queries are handled efficiently and effectively.

Service Automation: Unlike static websites, Vicaima24/7 is a dynamic, evolving platform. It automates repetitive tasks and customer service processes, saving valuable time and resources. This evolution in service means that Vicaima can adapt to changing market needs and advancements in its own product and service offerings, ensuring that the information and support provided are always up-to-date and relevant.

24/7 Availability: One of the standout features of Vicaima24/7 is its round-the-clock availability. Customers can access this service anytime, anywhere, which is crucial in a global market with varying time zones. This constant availability ensures that support is always at hand, even outside conventional office hours, thus enhancing the accessibility and convenience of customer support.

Efficient Customer Relationship Management: Vicaima24/7 is more than just a chatbot; it's a tool for more efficient and personalized customer relationship management. By providing immediate and relevant responses, it helps build a stronger connection between Vicaima and its customers, fostering loyalty.

Adapting and Enhancing Through Systematic Updates: A crucial aspect of this new solution is its capacity for adaptation and enhancement, aligning with the evolving needs of our customers. While the core functionality of Vicaima24/7 depends



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One of the standout features of Vicaima24/7 is its round-the-clock availability.

on our meticulously curated knowledge base, our commitment goes beyond static information. We at Vicaima are dedicated to systematically updating this base, ensuring that the information remains relevant, comprehensive, and in step with the latest developments in performance timber door systems and customer needs.

Parallel to these updates, the chatbot tool itself undergoes continuous improvements. These enhancements are not just in response to technological advancements in AI and chatbot functionalities, but also a reflection of our deep understanding of customer interactions and feedback. This dual approach of updating the knowledge base and refining the tool ensures that Vicaima24/7 remains a dynamic, responsive, and cutting-edge solution in customer support.

To experience the benefits of Vicaima24/7, simply visit www.vicaima.com (select United Kingdom version) and look for the bubble icon. Start a conversation by typing your query and receive immediate answers. For those who prefer spoken communication, a voice option is also available. General advice is always accessible via Vicaima24/7, or alternatively, contact info@vicaima.com or Tel: +44 (0) 1793 532333.

Vicaima24/7 is more than a chatbot; it's a symbol of Vicaima's unwavering dedication to customer satisfaction and technological excellence.



DIGITAL CONSTRUCTION WEEK

EXCEL LONDON
5-6 JUNE 2024

INNOVATION
IN THE BUILT
ENVIRONMENT

Register to attend DCW

Join innovators from across AECO to debate, discuss and share ideas to help build a more digitally enabled industry.

Discover

the latest technology to help you on the journey towards digitalisation

Network

with your peers to share ideas and experiences

Learn

from expert speakers and improve the way you work



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6 THINGS TO SEE AT DIGITAL CONSTRUCTION WEEK

THE UK'S LEADING EVENT FOR INNOVATION AND TECHNOLOGY IN THE BUILT ENVIRONMENT, DIGITAL CONSTRUCTION WEEK (DCW), RETURNS TO EXCEL LONDON ON 5-6 JUNE 2024

Explore the future of AECO, get inspired and connect with other industry innovators at Digital Construction Week (DCW).

Learn about the latest trends in digital construction, from BIM and AI to robotics and sustainable solutions. Meet companies driving architecture and design, construction, engineering, and operation forward.

Discover how to use new technology to improve your projects, teams, business, and the built environment.

The free-to-attend expo features two days packed of inspiring content. Including 300+ speakers across 10 stages, 120 hours of CPD accredited education, 150+ exhibitors, live demos, workshops, networking drinks, and much more.

If that isn't enough to convince you to attend, here is a round-up of the top six things you can expect to see at this year's DCW.

1. NEW: Robot Demo Zone

Experience live demonstrations of state-of-the-art technologies at the Robot Demo Zone. A selection of DCW's most pioneering exhibitors will be showcasing the latest advances in construction robotics in action in a mock construction environment.

Get up-close with tech ranging from mobile robots to articulated robotic arms. And learn how these cutting-edge solutions are automating processes, increasing safety and reducing operating costs.

2. Start Up Village

The Start Up Village returns once again for 2024, in partnership with the C-Tech Club and sponsored by Eleco. This area is the go-to spot on the show floor for technologies and concepts that have the potential to solve the industry's biggest challenges.

Head over to meet the teams behind 10 emerging brands with boundary-breaking ideas for AECO, including Voyage Control, Optimise-AI, Sytrix and Konstructly.

3. NEW: Table Talks Theatre

Introducing Table Talks - a brand-new theatre space



focused on round tables and workshops. Take a seat and join live debates on a variety of topics including AI, people and change, carbon reduction and much more.

4. NEW: Construction Disrupted Podcast live

The Construction Disrupted Podcast will be recording live in DCW's new dedicated studio. Presenter Peter Sumpton will be interviewing some of the best in the built environment for a revealing look at innovation and technology in AECO. Drop by and listen in or sign up for a link to all the episodes.

5. Information Management Exchange (IMx)

The Information Management Exchange (IMx) is back, in partnership with nima and sponsored by the UK BIM Framework. This year it's bigger and better than before, with a dedicated classroom built right on the show floor. Sessions will be longer, more in depth, and fully interactive. Don't just sit and listen - get involved, share your views and find the answers you're looking for.

6. DCW Happy Hour

Raise a glass with fellow AECO innovators at DCW Happy Hour. Head to the DCW Lounge at the end of day one to grab a beer, juice, or mocktail and blow off some steam. This is your opportunity to network with speakers, peers, and colleagues, and make new connections.

Register for DCW 2024

Don't miss your chance to get ahead and experience cutting-edge technologies, ground-breaking innovations, and a thought-provoking education programme at Digital Construction Week.

The event will take place on 5-6 June 2024 at ExCeL London. Register for your free trade ticket:

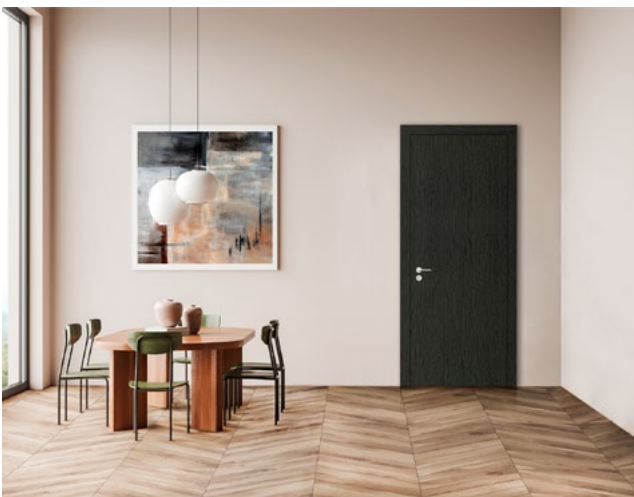
eventdata.uk/Visitor/DigitalConstructionWeek24.aspx?TrackingCode=DCW300.

DEKORDOR® 3D

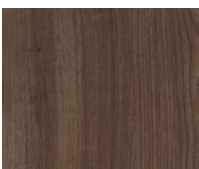
VICAIMA PRESENT ANOTHER DIMENSION FOR INTERIORS

Popular for over a decade, the Dekordor® 3D range from Vicaima has long been a first choice with specifiers of living and working spaces. With its attractive textural and hard wearing surface, ideal for contemporary surroundings as well as demanding locations; this competitively priced interior timber door or door kit has much to commend it for both modern private dwellings and social environments. Now, with innovation and inspiration firmly in mind, the range has been re-imagined for a new generation of specifiers, with no less than 15 tonal and textural options, making flexible design and performance, available to suit a wider range of project budgets.

While colours like the original horizontal Grey remain as popular today as it always was, a fresh palette has been introduced to satisfy modern trends and encompassing both vertical and horizontal textured faces. For those who seek the neutrality of crisp and light colours, Arctic and Silver Oak blend perfectly with busy surroundings and make excellent use of light in small spaces. Conversely, where rich warm tones would be ideal and needed to emulate otherwise expensive alternatives, Chocolate, Urban and light Walnut provide the perfect solution. However, if the desire is to embrace a more monochrome look, new Carbon Black, Grey Oak or Cloud White could provide the answer.



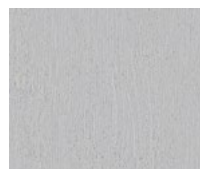
Grey Oak



Walnut



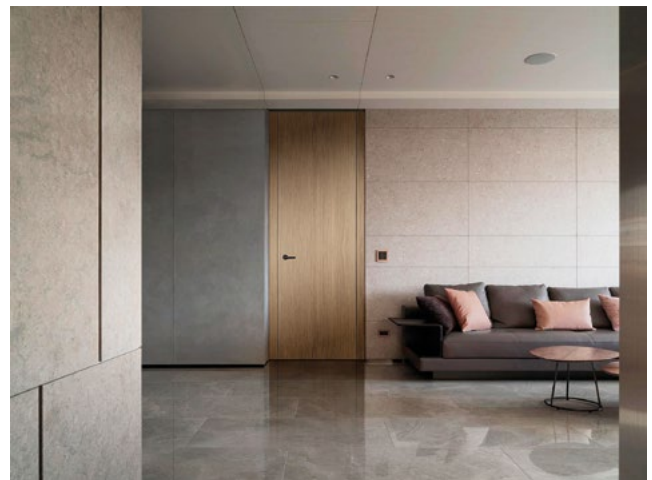
Black



Arctic Oak



Arctic Oak



Grey Ash

Dekordor® 3D is not just about door appearance either. It can be provided in the full gambit of performance solutions from Vicaima. Manufactured with fire (whether FD30 or FD60), security (including dual scope and SBD accreditation) and acoustic certification (ranging from 34 to 45dB) the range can be supplied as part of a matching door assembly and with associated joinery such as skirting and wall panels. Furthermore, with flexible design options such as factory glazing, decorative grooves and inlays are also possible. In short tailored to your project needs, whatever they may be.

For more information about the Vicaima Dekordor® 3D Range take a closer look now by downloading the brochure or request a colour sample of your chosen finish by request to marketing@vicaima.com

www.vicaima.com

CEIBS SHENZHEN CAMPUS

TAIGU DESIGN

China Europe International Business School (CEIBS) is the sole business school in China, established through a joint collaboration between the Chinese and foreign governments. The institution is dedicated to cultivating socially responsible Chinese and global business leaders and has developed an international educational framework spanning three continents and five locations.

The Qianhai Free Trade Center in Shenzhen is strategically located within the Ma Wan area and serves as a key urban axis for the Qianhai district. Its low-density building complex features flexible shared spaces, dynamic architectural forms, and unique outdoor landscapes. The campus location enables CEIBS to leverage its academic strengths, while contributing to the development of a high-end education industry chain in Shenzhen.

“Shenzhen is a youthful city, characterized by its freedom and openness, as well as its global perspective and Chinese characteristics. The people of Shenzhen are inclusive and forward-thinking, exemplified by the winding coastline along the bay area, which embodies the attitude of exploration,” said Tan Kan, founder of Taigu Design. “Our goal is to create a multi-dimensional teaching environment that combines organic flow lines, open atriums filled with natural light, and interconnected ‘internal building’ spaces that promote collaboration and comfort. We also aim to optimize movement paths, while emphasizing the interplay of light and shadow, tangible forms, and invisible elements, in order to seamlessly blend boundaries and facilitate effective communication through cleverly designed terraced structures.”

The “ring double” running ladder, the “conch” shaped road show ladder, and the “spring” rotating ladder connecting the underground layer are strategically

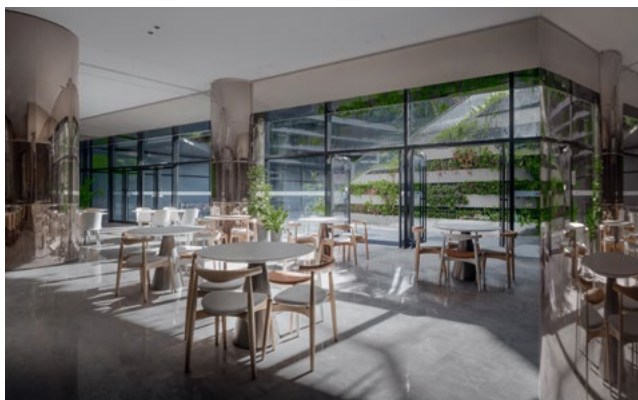


positioned in the open atrium. The curves of the stairs create a captivating display under the flowing light and shadow on the projector surface of the large glass zenith, evoking a strong sense of curiosity for exploring the unknown world.

The dynamic curve tilt and flowing organic form of the staircase become the visual focal point of the space, showcasing its cylindrical plastic feeling and artistry in internal construction.

The staircase is connected to the circular walkway on each floor, which in turn connects to the “inner construction” box body, forming a continuous indoor vein. The building has a multi-faceted orientation from southeast to northwest, surrounded by transparent curtain walls. Functional spaces are located next to the windows and facing the atrium from outside to inside. Natural light is introduced into the rooms through surrounding curtain walls and skylights, creating an open and inviting atmosphere with rich texture for the book bar.

The second floor is connected to the first floor by a “conch” shaped large swing ladder, with small to large steps forming a “fan” shape that is over 10 meters wide



“

Shenzhen is a youthful city, characterized by its freedom and openness, as well as its global perspective and Chinese characteristics.

on the first floor. The seated stairs face the semi-open and closed cafe, creating a seamless connection and dialogue relationship with the cafe. It provides an open road show, exchange, and rest. It is worth mentioning is that the cafe is connected to an outside sunken square, where designers have incorporated a static water feature connected with an external outdoor leisure space, promoting interaction between people and their environment.

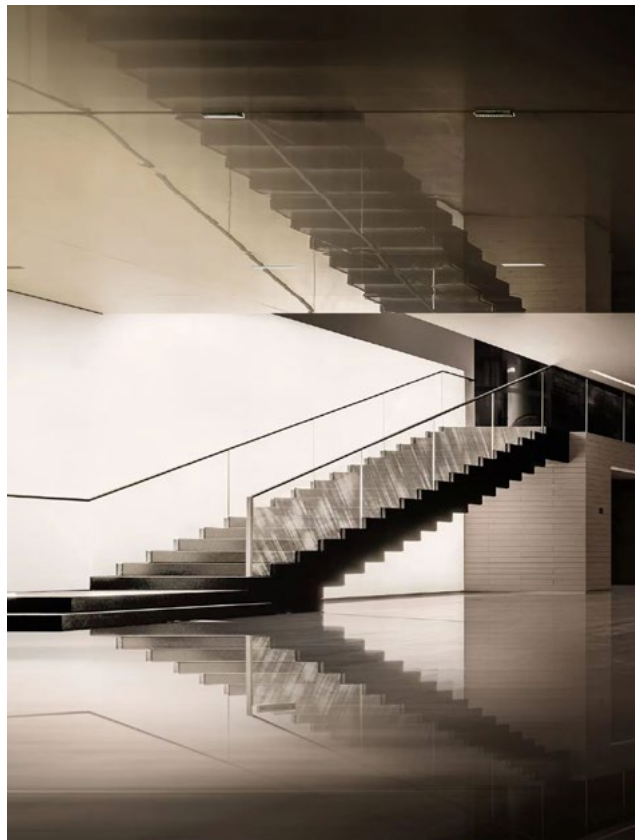
The coffee bar serves multiple functions; its location on the lower level creates a quiet and open atmosphere for students to relax away from academic pressure as part of their balanced lifestyle.

The amphitheater and flat classroom are perfect examples of blending futurism with practical needs. The spatial form has been practiced by the school for many years and has been continuously optimized. The designer has made appropriate adjustments in lines, lighting, and tone to restore the teaching scene of Shanghai headquarters, while incorporating Shenzhen characteristics that reflect innovation and excellence in education.

The minimalist corridor uses surface light sources and mixed granular ceramic panel wall surfaces along geometric stacked straight stairs to create a calm space that expresses minimalism, combined with modern aesthetics.

The entire dining area is designed with openness and accessibility in mind, responding to natural light and views created by outdoor vertical vegetation. Reflective ceilings and columns encourage harmony between humans and nature.

Architecture should be a blank container for human activity, encouraging social interaction while providing space for personal reflection. The spatial

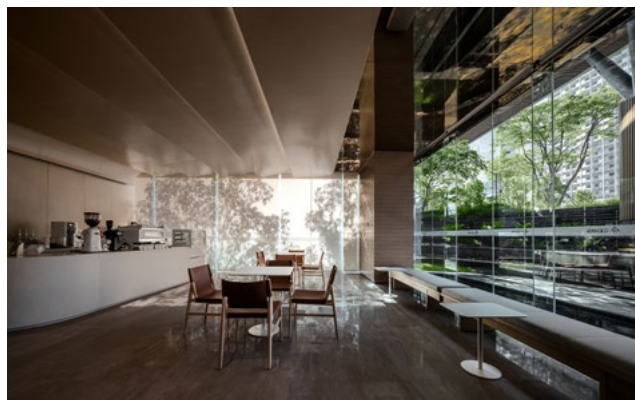
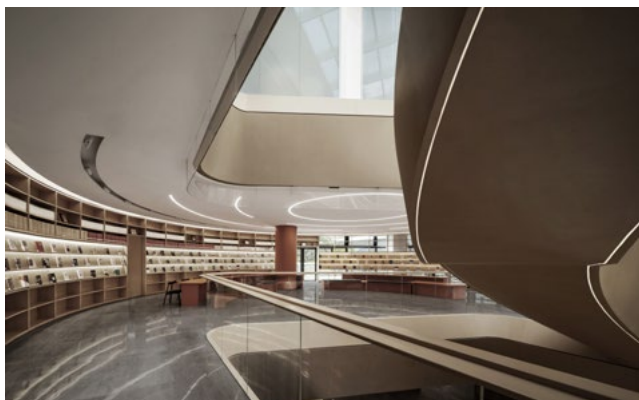


layout of the business School strikes the right balance between public and private, promoting knowledge sharing and the social dimension of science. It also innovatively interprets the needs of educational space, creating possibilities for multi-dimensional communication and exchange through a design that will withstand the test of time.

Technical sheet

Project name: CEIBS Shenzhen Campus
 Project client: China Europe International Business School
 Project address: Qianhai, Shenzhen
 Project area: 7000 square meters
 Completion date: October 2023
 Interior design: Taigu Design
 Release planning: gooyeah PR
 Project photography: flower image

www.taigudesign.com



TOUCH

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210 Fulham Road, Chelsea London SW10 9PJ

CELEBRATING 40 YEARS

One of London's leading Architectural Ironmongers

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.atochofbrass.co.uk



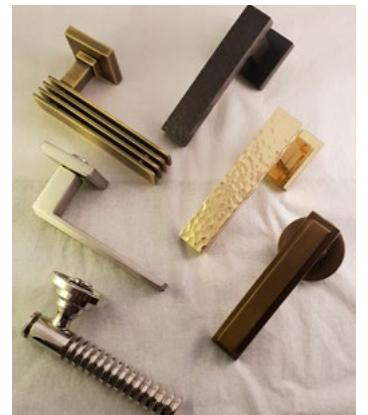
BRITISH & EUROPEAN MANUFACTURERS SUPPLYING THE FINEST QUALITY IRONMONGERY

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

As well as specialist bespoke items, Touch supply over 1000 products, available in 23 different finishes to furnish high end residential and commercial properties, royal palaces, government houses, historic castles and stately homes.

Olaria, available from Touch Ironmongery

www.atochofbrass.co.uk
& www.olariabarcelona.com





HES2 Concealed Hinge. Innovation, Reinvented

At Sugatsune, product innovation is never the end of a journey. Every breakthrough is the start of a new one. For us, innovation is the drive to never settle for what you already have. It's a state of mind, the urge to push even further.

30 years have passed since we first launched one of our proudest innovations, the HES concealed hinge. A genuinely revolutionary concept, the original HES3D reimagined the very concept of a concealed hinge, based on a reengineered classic hinge design, and in the process opened the door to previously inaccessible use cases for concealed hinge technology.

The HES range has become one of our best sellers and a flagship product, winning multiple awards along the way. But we haven't sat on our laurels to admire our achievements. The innovations have kept on coming.

Nowadays, there's an HES hinge for practically every architectural application. And with the latest HES2 model, we've made installation simpler and more accessible than ever.



Pivot Away

The big breakthrough with the original HES design was the removal of the pivot arm that the previous generations of concealed hinges had relied on. The pivot arm meant concealed hinges could be installed directly to the inside panel of a cabinet, without the need for a frame. Overlay and inset door types could be accommodated.

But there was a downside. Concealed hinges worked for cabinets. But what about interior two-way doors? You couldn't 'conceal' a hinge in the same way by hiding it inside a cabinet. And often door frames were too narrow for the elongated arms anyway.

By reimagining the classic butt hinge so the central barrel tucks away in recesses within the footprint of the hinge itself, the HES design is compact enough to fit on a typical door frame, but folds away in on itself so it is totally out of sight when the door is closed.

What is more, with the removal of the pivot arm, the HES design is stronger and more robust. As well as being suitable for interior doors, it can handle heavyweight doors up to 125kg. There are now HES hinges available for everything from the smallest cabinets all the way up to the largest interior doors, making it the only concealed hinge range on the market suitable for all architectural applications.

Simplicity on the Surface

For all the aesthetic and functional benefits of the original HES design, it came at a cost. Door hanging is a tricky job at the best of times. With the original HES models, you had to mortise both the door and the frame/cabinet panel.

The big step forward with the HES2 version is surface mounting. You only have to mortise the door, halving the time and effort it takes to install. On the frame, it's just a case of screwing on a plate.

For simplicity and convenience, all HES hinges separate. Once the door is mortised and the door plates are installed, we provide templates for pre-drilling the frame to further support speed and accuracy. The frame plate is clipped into the door plate before being screwed



onto the frame. Once mounted, adjustment screws allow for vertical and depth alignment of up to 3mm for a perfect finish.

The surface mounting on the frame also means that the HES2 can also be fitted to slim framed or even frameless doors where there is not enough wood to mortise into. So even more door types can benefit from the flawless aesthetic of a concealed hinge.

The HES2 continues the tradition of pioneering concealed hinge concepts Sugatsune began 30 years ago. Our 3D-adjustable surface-mounted concealed hinges remain the only products of their type available on the market.

Not that the HES2 is alone. At the same time we launched this hinge, we also unveiled the HES1. Designed for frames as little as 8mm in width, the main selling point of this version is the incredibly snug fit between door and frame/wall. While not technically concealed - the mortising on the frame includes cutting out the front elevation so the mounting plate is visible in profile when the door is closed - the flush finish means it is easy to make the plate all but unnoticeable for a pristine effect.

One thing we can't hide at Sugatsune is our dedication to pushing the boundaries of functional and aesthetic design. 30 years on, the HES range is a dynamic concept that we keep evolving. It already provides simplicity and tasteful convenience to most types of cabinet and architectural doors. Where next?

New HES Concealed Hinges: HES1F & HES2S

The first surface mounted 3D Concealed Hinges



HES1F

Integrated into
an 8mm thin frame



GOOD DESIGN AWARD 2022

BEST 100

**KIDS DESIGN
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HES2S

No frame-frame mortising



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COMMITTED TO SPECIFICATION

GEZE UK has demonstrated its commitment to specifiers and architects with the recent appointment of Alex Flokkas who joins the renowned manufacturer of door and window control systems as Specification Manager covering the south of England. Alex will focus on collaborating with and supporting architects and end users providing technical solutions for all GEZE products, ensuring compliance with all the latest legislation and regulations. He will be the first point of contact at all stages of the specification process. With over 20 years in the construction industry with a focus on windows, doors and the glazing sector Alex brings a wealth of knowledge. Previously he has assisted architects, contractors and end users with high-end prestigious projects from residential new builds to Grade I or Grade II listed buildings.



Said Alex 'I am excited to join a global and well-established company which is 160 years' strong. GEZE's work culture and values are key to its success and I am thrilled to join a business that mirrors my own values and principles.'

Richard Richardson-Derry, National Specification Manager added 'It's great to have Alex join the team; he has vast experience in the industry. He will be a great asset to the company and an important part of the company's continued growth.'

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

TORMAX DELIVERS SAFE ACCESS AT NEW DURHAM BUS STATION

Recently completed, the new multimillion pound bus station in the heart of Durham City, features 12 sliding doors that give travellers safe access to embark the buses at the appropriate time. Installed by NE&C Windows & Doors Ltd, the access points are automated by technologically advanced TORMAX iMotion 2202 operators.



Designed for reliability, TORMAX iMotion operators deliver an exceptional life-span thanks to their unique, Swiss-engineered design. With all parts that generally wear out, such as gears and brushes, having cleverly been removed, an above average life expectancy is delivered along with minimum maintenance requirements, reducing overall cost of ownership. iMotion also ticks the sustainability box too, with over 95% of the operators being manufactured from recyclable materials.

Located on the site of the old bus station, the state-of-the-art facility offers a safe and welcoming space, encouraging Durham residents and visitors to use this more sustainable form of transport, and helping increase footfall into the city centre. Light and airy, the new building has increased the space available for waiting passengers and offers parent and child toilets, improved information displays and additional seating.

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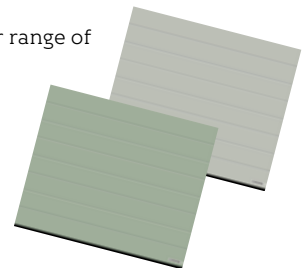
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GARADOR INTRODUCES STUNNING NEW SECTIONAL GARAGE DOOR COLOURS

Garador have just expanded their range of standard colours on their market leading sectional garage doors.

Two beautiful new colours, Agate Grey (RAL 7038) and Chartwell Green (BS 14C35), have now been added, providing further choice for homeowners.



Agate Grey is a stunningly popular shade with low-key formality that matches well with modern architecture and monotone colour palettes often found in new build properties and renovation projects.

Chartwell Green is a lovely tranquil shade of green that is a beautiful addition to any style of home. It's already popular on entrance doors and window frames found on traditional bungalows and country houses, and now this look can be replicated on Garador's sectional garage doors.

Garador's sectional garage doors are among the best engineered garage doors on the market offering a number of exclusive features including excellent security and insulation. The addition of these two new on trend shades means there are now 18 standard colours to choose from across their sectional garage door range.

Find out more at www.garador.co.uk

BESPOKE TIMBER WINDOWS AND DOORS IN HERTFORDSHIRE

The Sash Window Workshop specialise in high quality, traditional timber windows and doors. They offer a supply only service nationwide, with installation in London and Southern England.

The company were contacted for a project in Hertfordshire. The customer wanted to complete the work over multiple stages.

The initial work involved installing new double-glazed sashes into existing window frames. The customer was happy and placed additional orders to replace the sashes in several windows and completely replace two sash windows, the front door, and a French doorset.

The new joinery was manufactured in the company's UK workshops to exact requirements. This was especially important for the sashes and the highly bespoke French doorset.

After the work was complete, the customer said they would recommend The Sash Window Workshop, noting the work was "first class service in all respects." They also commented that the French doorset "was a very difficult job both to measure and construct, and it all went perfectly."



The Sash Window Workshop have extensive experience working on a variety of period properties. They can also comply with Conservation Area and listed building regulations.

The company uses high quality materials that give the best possible performance, combining minimum maintenance with maximum lifespan. They use Accoya as standard, which is known for durability and stability, and comes with a 50-year anti-rot guarantee.

For a quotation, contact The Sash Window Workshop on 01344 868 668 or email info@sashwindow.com. You can also visit their website: www.sashwindow.com.



Traditional Timber Windows and Doors

*High quality, energy efficient timber windows and doors.
Conservation Area specialists. Supply only, supply and install,
secondary glazing and draught proofing.*



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WORKSHOP**



CREATING A MINIMAL AESTHETIC

THE ARTISAN GROUP & DR L'ART CHOOSE ROCKET DOORS FRAMES FOR THEIR LATEST PROJECT

After using Rocket Door Frames on other projects the Artisan Group have chosen their ULTRA Flush Doors once again for their latest project with Dr L'Art. The doors elegant design, ease of installation and not least of all, the high quality have been crucial in their choice.

Rocket Doors are the leading manufacturers of flush door frames, these are commonly known as concealed doors or invisible doors and are a sleek and innovative design choice which is becoming a staple of modern architecture and interior design. By blending seamlessly into the surrounding walls they create a minimalist aesthetic that enhances the overall look and augments the feeling of a space.

Here is what the Artisan Group Project Manager Chao Liu had to say about Rocket ULTRA Flush Doors -

"Introducing Dr L'Art, a premier aesthetic clinic nestled in the heart of London at Unit 3, New Oxford Street, WC1A 1BA. From its humble beginnings as an empty shell room, we've transformed the space into a sophisticated sanctuary of beauty and wellness. Our innovative design features a meticulously crafted mezzanine floor, boasting 12 exquisite rooms, each adorned with the sleek elegance of ultra flush doors.

Led by the visionary Dr. Dianni Dai, a pioneer in the industry, Dr L'Art is dedicated to merging artistry with science to redefine beauty standards. The Rocket ULTRA Flush Doors, with their seamless integration and invisible allure, epitomises sophistication, effortlessly elevating the ambiance of our clinic. With their flawless design and understated beauty, these

doors serve as a testament to our commitment to excellence and attention to detail. Welcome to Dr L'Art, where every element is curated to inspire and rejuvenate"

Rocket ULTRA Flush Doors offer so many possibilities and advantages for designers. Most importantly is the feeling of space they create as there are no architraves, being flush with the wall they can become virtually invisible and integrate into the overall design, whether it be just coloured or patterned. Particularly effective in modern, open concept living or working spaces where clean lines and minimalistic design elements are desired.

A further advantage of Ultra Flush Doors is their versatility in design as they can be customised to match any style or aesthetic, whether it be contemporary, traditional, or somewhere in between. From sleek, minimalist finishes to textured surfaces the design possibilities are virtually limitless.

From residential homes to commercial spaces, Rocket ULTRA Flush Doors have the answer to your interior design statement enhancing the look and functionality of any space.

Last but not least and a market first, are the extremely competitive costs of Rocket ULTRA Flush Doors, made possible by a unique design and state of the art production facility making the cost of Flush Doors accessible to any small to large project.

ZEROPLUS ANNOUNCE SUCCESSFUL FIRE TESTING FOR THE SLIMPORT CIRCULAR METAL VISION FRAME

The fire-rated, clear glass circular metal vision frame from ZEROplus now provides up to an impressive 240-minute integrity in a fire (depending on the door and glass used).



Fire-rated glass vision panels are an excellent choice for commercial properties. From aesthetics and lighting to practical and safety purposes, having fire-rated vision frames fitted in a building's fire doors will help to open up a space and improve a building's fire safety.

Mark Lockley, Managing Director of ZEROplus, explains: 'Fire-rated vision panels mean a fire can be assessed while safely looking through a closed door. Also ideal in potentially hazardous environments, such as laboratories, and in busy areas, such as restaurants, bars, and clubs, where they help reduce the risk of potential collisions from either side.'

Available in stainless steel and zinc-plated mid-steel ready for colour coating, Slimport Circular Metal Vision Frames are available to suit the most popular door thicknesses. Now also available as complete kits with glass and glazing tape. To find out more visit www.zeroplus.co.uk or call 01785 282 910.

SLIMPORT CIRCULAR VISION PANELS



NEW TESTING

Slimport circular vision frames with their clean lines enhance the appearance of any door.

- NEW - 60 minute clear fire resistant glass to BS EN 1634-1
- Market leading fire resistance durations of 30 - 240 minutes
- Available in 4 sizes - 250, 350, 450, 550mm
- Manufactured from mild steel and stainless steel
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GEARBOX MONTREAL

WHEN DESIGN MEETS INNOVATION IN THE WORLD OF VIDEO GAMES

With the help of Patriarche, the augmented architecture agency, Gearbox, leader in the video game industry, unveiled its first studio in Montreal.

Building upon the success of their previous project in Quebec City, where they were recipients of the Grand Prix du Design, Gearbox and Patriarche once again joined forces to develop a workspace that seamlessly combines functionality and aesthetics.

The distinctive layout of the Montreal studio, characterized by its rectangular and elongated floor plan, presented an engaging challenge. Patriarche adopted an audacious approach, creating various ambiances and playing on color contrasts to delineate the different spaces. This innovative strategy not only enlivened the space, but also facilitated team orientation, promoting a fluid and intuitive circulation.

Functional diversity

Gearbox's studio in Montreal features a variety of

spaces, including 208 open-space workstations, 11 enclosed offices, 12 meeting rooms, and 11 lounge areas. Each area was meticulously designed to meet specific needs, fostering collaboration, individual focus, and relaxation. This approach centered around functional diversity ensures that each team member has an appropriate environment, thereby enhancing productivity and well-being in the workplace.

A bold fusion of art and design

Patriarche unleashed its creativity, pushing the boundaries of design to conceive a truly unique concept. The fit-out of the Gearbox studio draws inspiration from the urban energy and industrial heritage of Montreal's Old Port neighborhood. Incorporating elements of street art, and drawing from 90s pop culture, the project showcases a distinctive and bold identity.

Eclectic furniture, such as stools resembling tree trunks and a colossal meeting table with wooden branch legs, infuses the design with originality and a

“

Patriarche unleashed its creativity, pushing the boundaries of design to conceive a truly unique concept.

touch of nature. Quirky details, like the yellow curtain – playfully nicknamed the ‘shower’ – reclaimed from a welding workshop, adds an unexpected layer to the space.

An artistic collaboration with Julien Lebargy gave rise to the centerpiece of this project: a reproduction of his work “Little Boy Bomb”, prompting a reflection on our relationship to war. This fusion of art and design creates a stimulating and inspiring environment for the Gearbox team, where innovation and creativity thrive.

Through a blend of originality and confidence, Gearbox and Patriarche brought their vision to life, developing a one-of-a-kind workplace where every detail tells a story.

Technical sheet

Project name: Gearbox Montreal

Client: Gearbox Software

Year: 2023

Architect: Patriarche

Interior Design: Patriarche

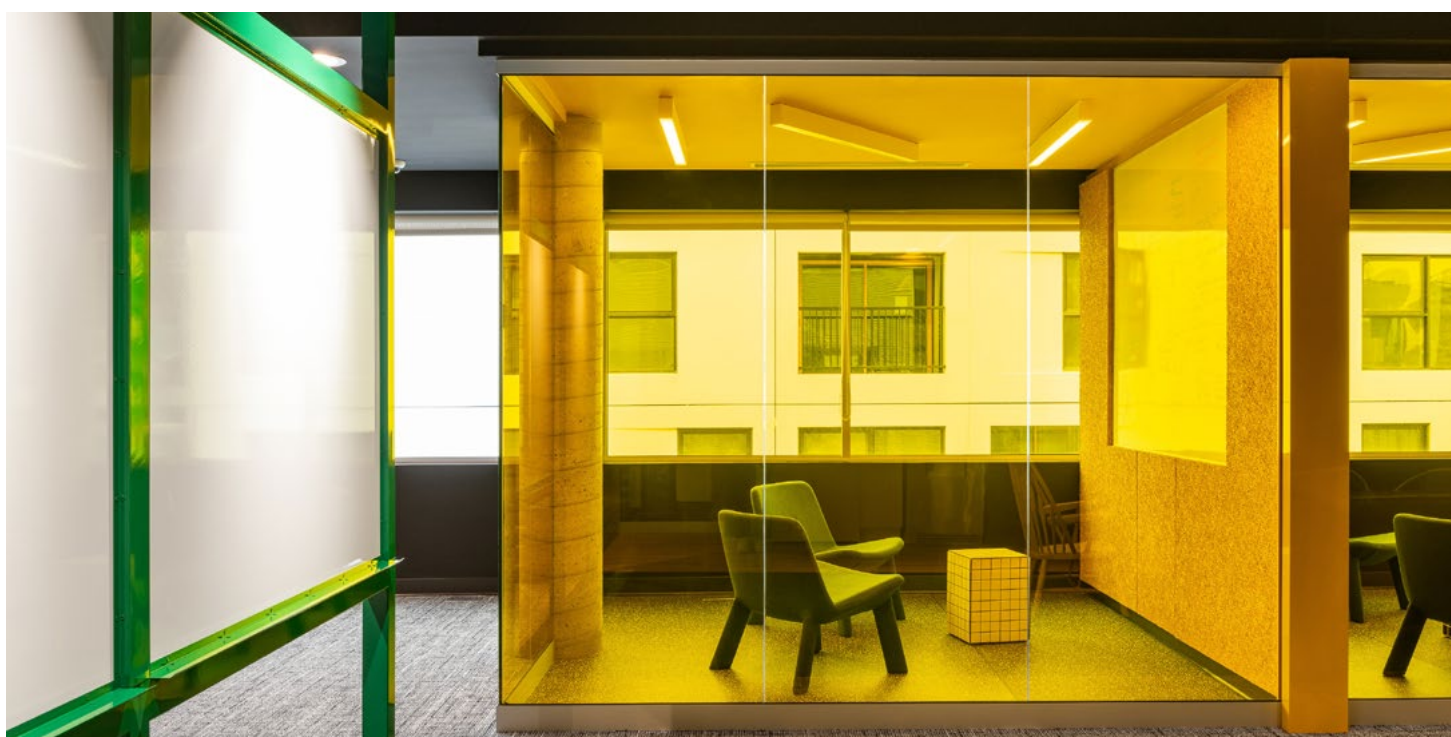
Artist: Julien Lebargy

Engineering: Planifitech

General contractor: L'Intendant inc.

Photographer: Mano Photographer

www.patriarche.fr/en/





BEFORDSHIRE INDUSTRIAL BUILDING FIRE-LINED WITH A1 MAGPLY BOARDS

A family owned fishing and holiday business in the heart of the Bedfordshire countryside is currently seeing a variety of new leisure and commercial facilities being created, with high performance Magply boards from the range of IPP Ltd. having been chosen for lining a large new caravan maintenance workshop.

Henlow Bridge Lakes near Henlow, was established on land surrounding a former mineral workings at the time of the Millennium by Dave Curson, who still runs the business with his two sons, Chris and Paul with Chris and Irene Rushton. The current work is creating space for more customers to stay, along with staff accommodation and other improvements.

Dave Curson, whose drive and ideas have shaped Henlow Bridge Lakes, commented: "We originally purchased the 58 acres of land back in 1996 and set up the original campsite in 2001 and created the fishing lakes in 2003. Then more recently in 2020, we gained planning permission on the minerals site to create secure storage for 200 caravans, new holiday lodges and a staff accommodation unit, plus the workshop which will have space to work on four touring caravans.

I did the original design on this 18 metre square building - based on the requirements of the tenant we'd identified - before bringing in Vega Construction as a

specialist in light gauge steel framing. We decided to utilise the 12mm Magply boards to line the structure on the recommendation of the main contractor, who has past experience of working with them where there is a fire protection requirement. All of the boards are being installed using self-tapping screws by just two men, working from a cherry picker and I think it is all going to look really quite good when it is finished."

All of the Magply boards are being supplied through the local branch of Jewson and offer a range of performance benefits relevant to the application.

In fact Magply boards carry Euroclass A1 and other internationally recognised certifications, confirming their suitability as a fire mitigating sheathing for timber or steel frame systems, as well as in rainscreen cladding, SIPs and other modular/offsite constructions. The material also offers impact, racking and pull-out strength.

In addition, Magply has recently been awarded a coveted BBA Certificate following stringent assessments, which included a six-month leaching test, producing a Zero score thanks to the production process which ensures stability and durability as a substrate in render backer and other applications.

www.magply.co.uk



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- ▶ Steel frame construction
- ▶ Fire resistant floors and ceilings



REPURPOSING TEXTILE FLOORING

CARPET RECYCLING UK REPRESENTS 85% OF THE CARPET AND TEXTILE FLOORING SECTOR AND IS FOCUSING ON INCREASING SUSTAINABILITY, CIRCULARITY AND RECYCLING



Carpet Recycling UK (CRUK) are a not-for-profit, trade association set up in 2007 to promote reuse and recycling of carpet and textile flooring waste. Our membership has grown and we are now representing 85% of manufacturers, distributors and retailers who place products on the UK market.

Annually, we produce survey data which is used to measure performance within the sector. This data is used to report on the materials placed on the market and where they end up at the end of the life cycle being either reused, recycled, or treated. We conduct primary research directly surveying the waste management sector in the UK to identify the volume of material waste requiring disposal.

The latest UK figures for 2021 identified that approximately 485,000 tonnes of carpet and textile flooring waste was generated and that 81% of this total was diverted from landfills. The latest survey results for 2022/23 will be published shortly.

To help develop more landfill diversion options, CRUK engages in research projects with Universities to analyse waste streams and identify alternative disposal options. We've been working with the University of Birmingham to use the fibres from the sector in cement production and other applications.

The potential introduction of an Extended Producer Responsibility scheme is receiving a lot of attention from the sector right now. This policy assigns financial and operational responsibility for the management of waste at "end-of-life" back upon the manufacturers and suppliers.

Consequently, CRUK have collaborated with our Core Members creating four working groups identifying the key issues of an EPR and producing a workable blueprint. The groups are, Data Management: to measure performance; Sustainability Pledge: setting realistic targets; Policy and Legislation: defining what the industry wants from an EPR and Take-Back Scheme: assessing how the sector can collaborate effectively to achieve this. The findings and results will be passed to Defra ensuring the industry perspective is included in future decision making.

We've recently joined the British Furniture Confederation which acts to lobby MPs and the government on the challenges being faced by the manufacturing sectors and to help promote favourable policies to help UK based companies. CRUK is the only organisation within the BFC that is representing carpets and flooring. We will use this platform in our talks with Defra to ensure the needs of the sector are considered in any future EPR launch.

This summer, CRUK hosts our Annual Conference, Dinner and Awards Ceremony at voco, St John's in Solihull on 10th-11th July 2024. The event will feature an exhibition hall showcasing product innovations and guest keynote speakers tackling topics from key recycling and sustainability trends to the latest production processes. The results of the sector survey on landfill and waste diversion will be revealed and there will be updates on recent research studies looking at new ways of disposing of materials. The conference will provide networking opportunities, panel discussions and guidance on handling waste.

www.carpetrecyclinguk.com



Promoting textile flooring as a sustainable resource
Thank you to our Core Members




















Join Carpet Recycling UK to help make the UK carpet and textile flooring sector more sustainable!

In 2021 it was recorded that 485,915 tonnes of carpet and textile flooring waste was generated in the UK. Through our direct support, our members and the wider waste and recycling sector diverted 81% from landfills into various treatment, recycling and reuse options.

- C** Carpet Recycling UK is a not-for-profit membership association set up in 2007.
- A** We are an independent trade **association** with over 140 members covering the entire supply chain.
- R** We **respond** and advise on best practice for the reuse and recycling of all types of carpet and textile flooring waste.
- P** We **provide** support and advice throughout the supply chain to include flooring manufacturers, contractors, retailers etc.
- E** Members are **encouraged** to demonstrate their commitment to sustainability through case studies and entering our awards.
- T** **Textile flooring** includes broadloom carpet, carpet tiles, event carpet, rugs and underlay.
- W** We engage with the supply chain to identify and promote Circular Economy initiatives to the **wider** network.
- A** We **assess** your waste to find the most feasible, cost-effective recycling options.
- S** We demonstrate and promote **sustainability** through design for recycling initiatives.
- T** Surplus, offcut and used **textile flooring** can be reused or recycled, contact us!
- E** Talk to us at our **events** – save the date for our annual conference on 10th & 11th July 2024!

Contact Carpet Recycling UK

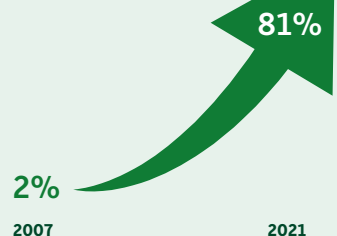
Carpet Recycling UK is a not for profit organisation working across the supply chain to develop more sustainable and environmentally friendly solutions for carpet and textile flooring waste. Our ability to network with our members and wider network helps to provide you with the most feasible solutions to send your waste up the waste hierarchy and prevent waste being sent to landfill. Please visit our website for more information.

www.carpetrecyclinguk.com

Thank you to our Core Members



MOVING CARPETS FROM WASTE TO RESOURCE





Lani wallcovering from Arte



Strata pendant from J. Adams & Co

CLERKENWELL DESIGN WEEK

TOP THINGS TO SEE AND DO AT CLERKENWELL DESIGN WEEK 2024

Clerkenwell Design Week (CDW) returns to London from 21 - 23 May 2024, standing as one of the leading international design festivals, FREE to all visitors (register now). This year's edition boasts the most extensive programme to date, featuring a greater number of exhibition venues, brands, showrooms and installations than ever before. This expansion firmly establishes the festival as the go-to destination for specification within the architecture and design community.

Amidst a rich tapestry of new launches, presentations and events, here's a round-up of the top things to see and do at the May event; from innovative farming by-product designs and the renaissance of natural stone and wood to AI-crafted cocktails and industry discussions on neurodiversity.

NEW COLLECTIONS

Fritz Hansen will reveal its new collection at its Cowcross Street showroom in a special feature titled 'Inviting Workspaces'. Curated to explore both commercial and residential working environments,

the exhibit will display furniture and accessories from designers including Jaime Hayon and Jørn Utzon.

At its Great Sutton Street showroom, Domus will present a colourful exhibit of tile designs created by Edward Barber and Jay Osgerby to celebrate their 10-year collaboration with its brand partner Mutina. The installation will also feature a new collection named 'Time'.

In the British Collection (St James's Church), SCP will launch a new Peonia armchair by Wilkinson and Rivera, a low-lying sculptural armchair made at a specialist factory in Norfolk, using 100% natural and sustainable materials. Meanwhile, Another Country will showcase its new 'Series Five' furniture inspired by the Arts and Crafts movement.

Time tiles by Edward Barber and Jay Osgerby for Mutina at Domus At Detail at the Order of St John, Omexco will unveil three new ranges, including the Archipelago design crafted from Capiz shells and shimmering mica minerals. While Arte presents its

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At its Great Sutton Street showroom, Domus will present a colourful exhibit of tile designs created by Edward Barber and Jay Osgerby to celebrate their 10-year collaboration with its brand partner Mutina.

new Lani collection, featuring hand-crafted designs inlaid or embroidered with rattan and raffia, Kasthall will return with its new Vichy collection, a modern interpretation of the classic gingham pattern. Wallpaper design studio Erica Wakerly has teamed up with Sixteen3 to debut a new fabric collection, which will be shown at the latter's Bastwick Street showroom as part of a pop-up that examines the evolving nature of workspaces. Joining CDW and the neighbourhood for the first time is British lighting manufacturer J. Adams & Co, launching its new St John Street showroom just in time for the festival. Collaborating with tile expert Solus, the in-house team has repurposed materials from the site and factory offcuts to create stunning terrazzo tiles and worktops. Also new to the festival is Pooky Lighting, showcasing its new collection of rechargeable lights at Light at House of Detention.



Archipelago wallcovering from Omexco

NEW CREATIVES

CDW continues its tradition of championing emerging talent, spotlighting a diverse range of newcomers this year. Showing at Platform (70 Cowcross Street), Selfish Customs collaborates with local makers in East Anglia, repurposing farming by-products such as raw fleece, reed and barley straw to create unique homeware. Visitors can explore the studio's creations alongside Colombian art historian-turned-designer Manuela Cabrales, who is launching shawls, trousers and handcrafted lamps using materials like lotus fibre and orange peels. Also featured is Barcelona-based Isabel Franco's La Sobremesa collection, which blends wicker weaving and glassblowing with modern design.

At Light, designer Tabitha Bargh will present her new lighting collection titled 'Poly'. Utilising waste estate agent advertising boards made from Correx, typically unsustainable and non-biodegradable polypropylene, Bargh reimagines sustainability, crafting each piece with precision in her Brighton studio.

In the British Collection, Granite + Smoke will introduce its new hand-tufted rugs created in collaboration with Roger Oates Design. Crafted from 100% British blended wool, each rug undergoes meticulous hand-finishing in Devon after being spun and dyed in Yorkshire.

TREND: THE NEW STONE AGE

Stone is currently experiencing a renaissance, emerging as a highly sought-after material in the realms of architecture and design. With prestigious hospitality projects like The Ivy, Annabel's and Harry's Bar under its belt, Spectra Stone excels in sourcing, engineering and fitting natural and semi-precious stone in a manner that transcends mere functionality, elevating it to the realm of artistry.



fabric collection by Erica Wakerly for Sixteen3



Brutalist blanket from Granite + Smoke;

The British company will showcase its most exclusive collection of marble species at Old Sessions House. Also, keep an eye out for two remarkable installations celebrating natural stone on Clerkenwell Green.

British suppliers Albion Stone and Hutton Stone have commissioned architects Artefact to design 'Brick from a Stone', showcasing stone bricks being launched by both companies this year and illustrating the low-energy process involved in producing them. On 23 May at 10:00, visitors can also join a dedicated talk on this subject matter led by a panel of experts - including Amin Taha of Groupwork and Benedetta Rogers of Artefact - at 15 Clerkenwell Close.

Meanwhile, Stone Federation has teamed up with Squire and Partners to create an explorative structure named 'Stone Tapestry: Beyond the Surface'. This installation aims to demonstrate the sustainability, versatility and beauty of natural stone, featuring materials not only from Albion Stone and Hutton Stone but also from Britannicus Stone, Dunhouse Quarry and Tradstocks.

TREND: FOR THE LOVE OF WOOD

Wood remains a prominent material for many brands at CDW this year, particularly in the British Collection. Benchmark will bring a new adaptable storage system, developed with Foster + Partners, to the festival, featuring full carbon footprint labelling, a lifetime repair service and a take-back scheme.

Independent makers such as Matthew Burt and Dovetailors transform furniture into art forms. The former will present 'Making from the Collection', offering its timeless designs as part of a made-to-order service, while the latter will showcase a new range of stools with organic shapes resembling sculpted wood. In addition to established businesses, a new wave of British furniture designers emerges.

Collinson embraces classic English craft and understated luxury with its freestanding kitchen and shelving unit, while James UK will unveil its Holton chair, reviving traditional Windsor chair-making with a contemporary aesthetic that celebrates joinery as art.

WORKSHOPS AND EVENTS

Neurodiversity has emerged as a leading topic gaining momentum among architects and designers, driven by the ambition to create environments that cater to diverse needs. On 22 May (14:00) in Spa Fields, as part of Conversations at Clerkenwell, Ultrafabrics will assemble a panel of experts from Gensler, Squire and Partners, Pantone, and the founder of Seedlip and The Hidden 20% podcast. They will delve into how multisensory design can transform and enrich our interactions with the world, particularly in workplaces and public spaces.



Poly lights by Tabitha Bargh



Harry's Bar using stone supplied by Spectra Stone

AllSfär is also addressing this important subject with a talk at its Baltic Street East showroom. Scheduled for 22 May at 15:30, the session will be led by the founders of the neurodiversity consultancy ZoneND, focusing on designing for the senses and why it is the key to positive wellbeing and neuro-inclusive practice.

Workplace technology specialist LeftBrain will host a pop-up showroom at Second Home during the festival. Themed 'The Future of the Digital Workspace', the line-up includes talks, networking events and consultations. Look out for partners including The School of Life and Dropbox; the former will lead a talk on 'Emotional Intelligence at Work', while the latter will host a giveaway of a VR headset. Notably, there's an evening party on 23 May, featuring bespoke AI-generated cocktails crafted by a mixologist.

Fringe partner Cult Vision on Goswell Road will collaborate with 2023 Shed of the Year winner Archie Proudfoot on a live installation in its shop window throughout CDW. The artist will employ gold leaf to create mirrored surfaces on the glass, playing with reflections of the viewer and the cityscape behind them. Simultaneously, classic spring imagery will be incorporated, offering a unique visual experience.

Also as part of the Fringe programme, Pilbrow and Partners will open its doors with a life drawing class on 22 May at 18:00. This event will feature life models seated among architectural models and material samples, inviting participants to capture the interplay between architecture and the human scale. The session will be guided by artist Brian Sayers and is free to attend (advance booking required).



AI-generated cocktails from LeftBrain

INTERNATIONAL FOCUS

This year, CDW has introduced three international pavilions to the festival. The Italian Collection will feature 31 brands on the first floor of Design Fields, showcasing furniture, lighting and textiles. Catapult will host the German Collection, presenting its country's acclaimed brands and furniture, while the Danish Collection will take over the magnificent Paxton Locher House, highlighting the finest in Danish design, including Linie Design, Nordlux, Ro Collection and Sika Design. Ceramics of Italy is also back on St John's Square with a great line-up of tile experts, from Ninesifty to La Fabbrica and Acquario Due.

Clerkenwell Design Week 2024 takes place across EC1, London from 21 - 23 May. For more information, please visit www.clerkenwelldesignweek.com - registration is now open.



Artist Archie Proudfoot collaborating with Cult Vision

Furniture

clerkenwell design week

Lighting

register
free



Surfaces

21-23 may

the UK's leading design festival

& more

BJELIN SHOWS NEW PRODUCTS AT CDW

Stand: PC9

Visitors to the Bjelin stand at Clerkenwell Design Week will have the opportunity to see at first hand the latest innovations in hardened wood flooring.



As with all products from Bjelin, these include the latest technical developments from industry leading innovators and sister company Välinge Innovation, which developed the world's first mechanical locking system for wood and laminate flooring.

The company will be showing a new range for the UK market, joining the existing Woodura hardened wood flooring portfolio, as well as previewing other products for later release in 2024. The new Contrast Collection comprises a palette of five different colourways - Desert, Vapor, Silver, Ivory and Granite. These leverage the existing hues and tones within the wood to create stunning contrasts, while blending with the existing hardened wood 3.0 range. The new range is now available in the XL size, 206mm x 2200mm, in Spačva oak. This type of oak, which is sustainably sourced from Croatia with FSC certification, is renowned for its stunning beauty and distinctive grain.

www.bjelin.com

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THE SCIENCE BEHIND GOOD ACOUSTICS

The new workspace at AstraZeneca UK's head office in Kings Cross, London has been designed by Ekho Studio and spans over 21,000 square feet across two floors. The company wanted to use its new King's Cross HQ to drive collaboration and innovation further with its relocation to London's new 'Knowledge Quarter' bringing them closer to their broad network of healthcare partners to enable them to work in ambitious, purpose-led partnerships.

As part of the stunning design, Ekho Studio used Troldekt's acoustic wood wool panelling as part of the specification to combat issues around acoustics and reverberating sound. The design embraced a lot of hard surfaces - from break-out areas and open plan offices stretching around meeting rooms. This, coupled with the full-height windows to maximise natural light all have an impact on acoustic performance.

Troldekt acoustic panels are available in a variety of different surfaces and colours and combine sound absorption with a tactile surface. With an expected life cycle of at least 50 years and resistance to humidity and impact, they are available in various sizes and four grades, from extreme fine to coarse. The panels can be left untreated or painted in almost any RAL colour. Depending on the panel specified, reaction to fire is



Photo: Billy Bolton

classified in accordance with EN 13501 as B-s1,d0 or A2-s1,d0 respectively.

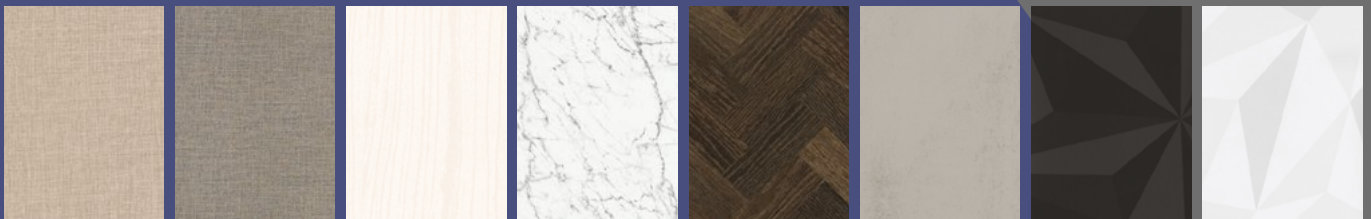
Cradle to Cradle Certified® at Gold level, Troldekt wood wool acoustic panels are manufactured using wood from certified forests (PEFC™ and FSC®C115450) and can contribute positively to a building's BREEAM, WELL or LEED points.

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A LABOUR OF LOVE - BROMLEY OLD TOWN HALL

A HERITAGE PROJECT CASE STUDY

Designed to bring business and investment into the local community, the redevelopment of the iconic Bromley Old Town Hall has proved a huge success. Restored to its former glory during 2021/22, the building is now a busy hub with 73,000 sq ft of modern Clockwise flexible co-worker offices, a 23-bed, quirky boutique hotel, Brama and a Dorothy & Marshall Restaurant.

As main contractor for the project, WFC had our work cut out. The building had remained empty since 2009, deemed a heritage write-off due to water ingress issues and disuse. We had to find innovative solutions to address these issues while maintaining the heritage integrity of the structure. Our team conducted thorough investigations, implemented effective waterproofing measures, and collaborated with structural engineers to ensure the building's long-term stability.

The project required close collaboration, scheduling, and effective communication to coordinate multiple

trades, including client direct trades with our own works package and programme.

The base build contractor faced delays, which had a direct impact on our own programme. To mitigate these delays, we had to re-sequence our works. We worked closely with the client and other subcontractors to adjust the schedule, allowing for sectional completion of areas to accommodate the ongoing challenges, ensuring the project could progress despite the setbacks.

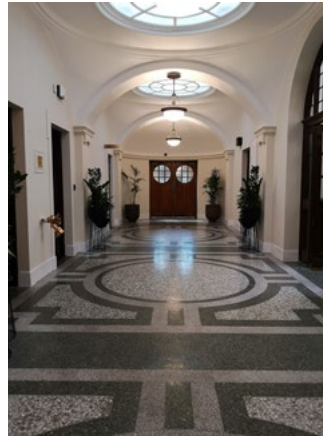
To manage multiple trades effectively, we established a robust communication network, holding regular meetings with all stakeholders involved. This ensured that everyone was updated on the project progress, addressed any potential clashes, and facilitated smooth coordination between trades.

To overcome the water ingress issues, we collaborated closely with specialists in heritage restoration and waterproofing.



We are awarding ourselves a gold star for the project which stands as a testament to our commitment to preserving heritage while delivering a high-quality fit out.

We utilized modern waterproofing technologies while ensuring their compatibility with the heritage structure. By carefully addressing the source of the water ingress and implementing effective solutions, we were able to safeguard the building and preserve its historical value.



Restoration of some of the outstanding original design features included four giant fluted concrete columns clad in green marble, restoration to the original terrazzo floor, and to stone architrave and fireplaces. New modern finishes were seamlessly integrated with the existing features to create a modern, yet characterful working environment.

Extensive heritage restoration was painstakingly undertaken by our specialist conservation sub-contractor. The renovation includes preserving and reinstating the wood panelling in the old Courthouse, the former Council Chambers, former chapel (which had been open to the elements for some years), and the old council committee rooms.

The original decorative lime plaster was in poor condition following years of neglect but was restored to its former glory. Similarly, the heritage paintwork was expertly brought back to life. Many of the intricate and ornate original mouldings were also damaged or missing, and we engaged with British Mouldings to replicate and repair these key elements.

The new paintwork is indistinguishable from the old in the original Old Courthouse with its high vaulted roof. Below the restaurant, the toilets are constructed in the old holding cells. The original stairs up to the dock are still in place and the old door to the safe remains for posterity. Many of the original feature chandeliers were retained and refurbished to ensure they can be enjoyed for many years to come.

There was complete replacement of the entire mechanical, electrical and plumbing systems. This included new main switchboards and distribution and centralised plant for heating and hot water.

On a high note, interior designers Fusion Interiors Group (FIG) won the award for 'Best Mixed Use Interior', Kent for Bromley Old Town Hall, in the 30th UK Property Awards 2023/24, part of International Property Awards.

We are awarding ourselves a gold star for the project which stands as a testament to our commitment to preserving heritage while delivering a high-quality fit out. Despite the challenges and the setbacks, our team successfully completed this major project by employing effective coordination, communication, flexibility, and innovative solutions.

With a 47-year track record of delivering high-quality main contractor services, the team at WFC believe that its role as a fit-out contractor is to support the objectives of its clients and their architects and designers. We have the expertise and resources to complete complex refurbishment and fit-out contracts to a high standard, working in collaboration with our clients. Our aim is to make the best use of client budgets and to complete projects on time, however challenging the timescale.

Call Steve Howle on 07740 763 334 or email stevehowle@wfccontractors.com to discuss your project.



CASA K RESIDENTIAL PROJECT

Wael Farran Studio

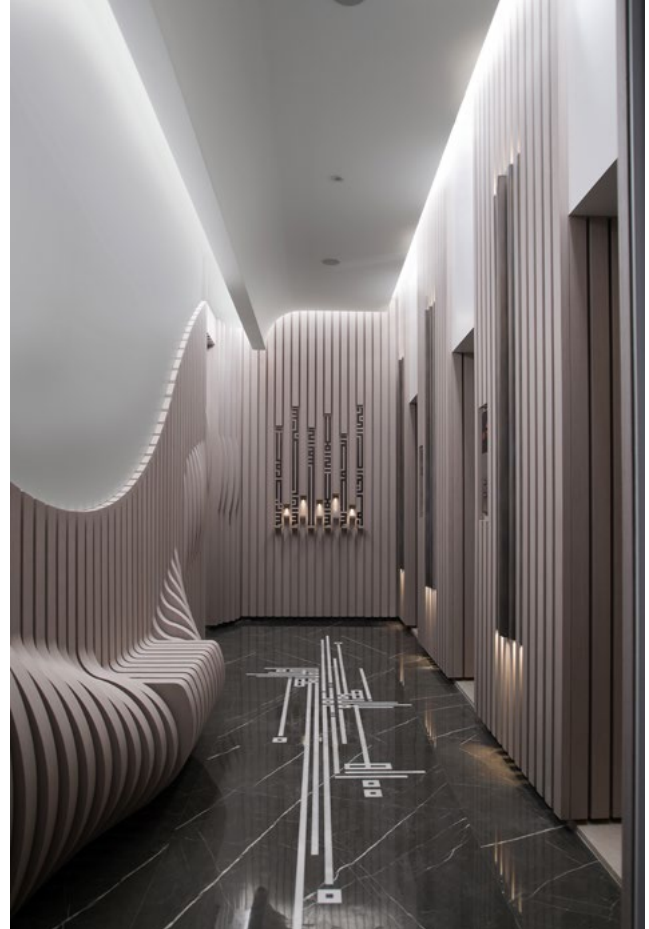
The Casa K residential project was implemented with Wael Farran Studio's passion for design, attention to detail, and its signature touch of love. Inspired by the movement of the sea, variations of stylized curvy lines guide you through the apartment's personalized spaces in monochromatic tones, building up the warm, safe, and comfortable feeling of a happy home. Situated along the "Beiruty" coast, the apartment boasts a private elevator area, an entrance lobby that leads to an open space saloon with a living area, a dining space, four bedrooms suites, including a master bedroom with a dressing area, a study and work room, a guest bathroom, two kitchens, and a help chamber.

While the apartment remained within its original plan, the bigger scope of the work included a major interior design uplift with plaster and woodwork, almost all custom-made furniture, as well as an electric update with new lighting and sound systems.

Public Areas

Public Areas are the spaces where visitors are given a glimpse of intimacy. These are spaces where everybody, whether visiting or living on-site, should feel at home. For Casa K, it was all about the soothing feel of a gentle wave that refreshes with a splash.

The magic vibes of the apartment begin to be absorbed as soon as the elevator doors open and people step into the elevator hallway, where they are greeted with customized parametric wall paneling for the whole area, made out of individually cut pieces of plywood that space apart to display an organic sweeping wave, blending seamlessly with the entrance door that boasts a custom-made Arabic calligraphy handle. To the left, the wall paneling pops out into an organic bench for a more inviting mood. To the right, Arabic-blessed sayings, molded in copper, fit between the wooden stripes.



The wooden stripes, rising from the floor, stop their elevation under the writing and pop out in a curve to create a beautiful leveled movement, enhanced with lighting. The three elevator doors are treated with gold leaf paper and patina. Between the elevators, light shines from the extremities of protruding brass stripes. The floor, made of graphite brown and "pantelique" white marble, features square kufi style work by Ghaleb Hawila. The bright white ceiling extends in a straight movement from the elevator and curves at the other end in harmony with the general mood.

The indoor hallway area is a gateway to the rest of the apartment, where doors leading to the various sections of the house blend together, creating a vertical shutter effect with unified lines, joints, veneer, and ceramics for the whole area. The hidden wall panels feature grooves in stylized shape that extend all the way down to their ceramic bottoms. The floor, paved with the same ceramics as the doors, boast inlaid bronze shapes with a similarly treated frame, while a lighted opening leads to the open living space.



“

Public Areas are the spaces where visitors are given a glimpse of intimacy. These are spaces where everybody, whether visiting or living on-site, should feel at home.



To the left, the dining area features not one, but two pieces de resistance, all custom made.

The Art Of Life - a dining table from the FORMITABLE® line

The dining table can serve up to sixteen people, with a second tailor-made curved dining unit. This one of a kind wall installation brings form and function to the space, adding beauty and style while serving as a storage unit. Each of its shutters was molded individually and includes aluminum laser cut handles with geometrical patterns. The embedded lighting allows the unit to shine. In this section, the walls are riddled with uneven wavy stripes that reach all the way up to the ceiling, the opposite wall, and end by the floor.

Facing the entrance lobby is a ritual nook boasting the Koranic Kursi verse in Arabic calligraphy, designed and executed by Ghaleb Hawila. Custom made brass stands with marble extend from the wall to bolster the shrine ambiance. Sage, another FORMITABLE® creation, stands guard.

The floor and some sections of the walls of the main living room are covered with Travertino Santa Caterina ceramics from Ultramarmi Ariostea, with a pleated like movement in varying levels. Emerging from the wall in a curved fashion is a Caleidolegno MW Tiglio wood veneer TV unit, with a custom-made, mechanically mounted painting by one of the daughters of the household covering the TV when not in use. The living room is fully furnished by pieces designed with love by the studio. A second saloon on the opposite side is also customized with FORMITABLE® furniture, including Contessa, Comfort Zone, and Tetris.

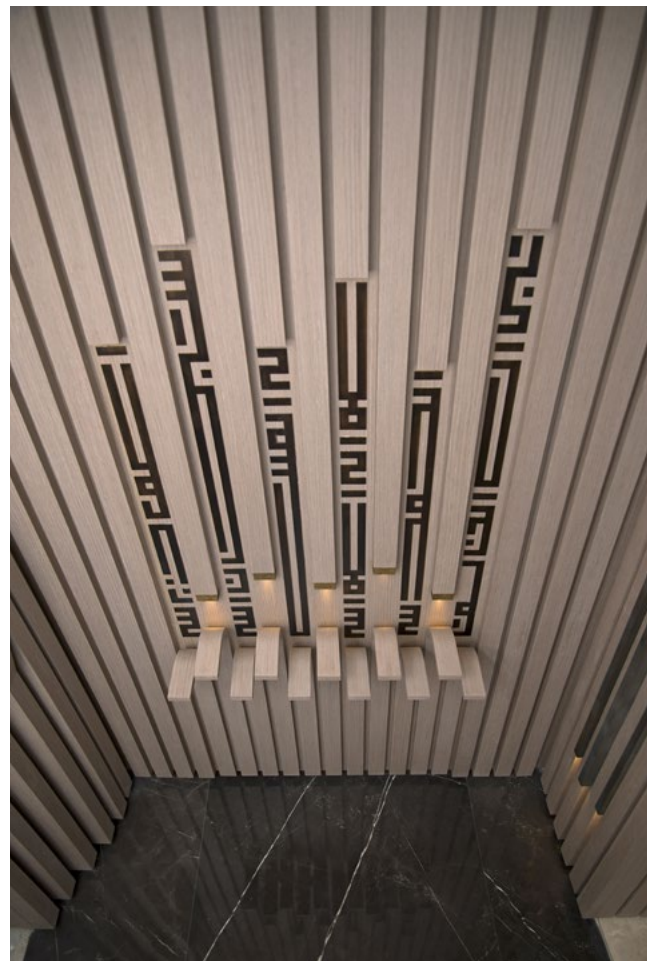
The space includes a three-seater sofa, two single chairs, two sofas vis à vis, and modern Persian carpets. At the far end is an enclosed glass balcony that serves as a bright and sunny living zone, hosting a beautiful grand piano and a sitting area with two FORMITABLE® pieces: The Wheel of Life, a round table, and Mille Pattes, a desk for enhanced productivity in the magic of natural light facing the Mediterranean Sea. This area is illuminated by Mom, a beautiful lighting piece from Penta Lighting.

The ceiling is a piece of art on its own, as the wave movement continues to soar. While it is intense on the dining area, it gradually loses its intensity with movement towards the rest of the space.

The biggest challenge in creating this living and reception area was to keep it clean, without clutter, while also designing it to accommodate an optimal number of people. The whole space is loyal to the monochromatic theme of the house, with hues of blue for a popping effect.

Private Areas

Private Areas are spaces where the inhabitants are free to be their authentic selves, and to live their truths. Conceiving these spaces, the Studio reached into each of their souls to reflect them in the most flattering way. The end result is a distinctive space that exudes the essence of the owners.





The first bedroom suite is reserved for the eldest daughter and middle child of the household. A young, free soul who is a designer and lived in Africa, she is deserving of a room that suits her personality. Conceived in a modern style with a safari inspiration, the bedroom boasts customized steel furniture. The bed features four bedposts, a baldachin, and a headboard with Alcantara leather and brass details. Above it, the quote "Croque la vie" is a daily reminder to seize the day. Cognoscenti, a set of side tables from the bespoke Formitable® line, frames the edges of the bed in the most esthetic and practical ways, keeping the nights' secrets safe.

The modern shelving unit that houses acquisitions from the young lady's travels, among other things, was custom-made by the studio and includes a dressing unit in the middle with a big mirror. Model Bahia Mini lighting on the wall from Foscarini brightens up the entrance, luring into an intimate journey. The closet is made of lacquered wood and remains faithful to the general pattern of the house. On the window, the blackout sunscreen reveals a landscape print that changes the scenery as the panels go up and down.

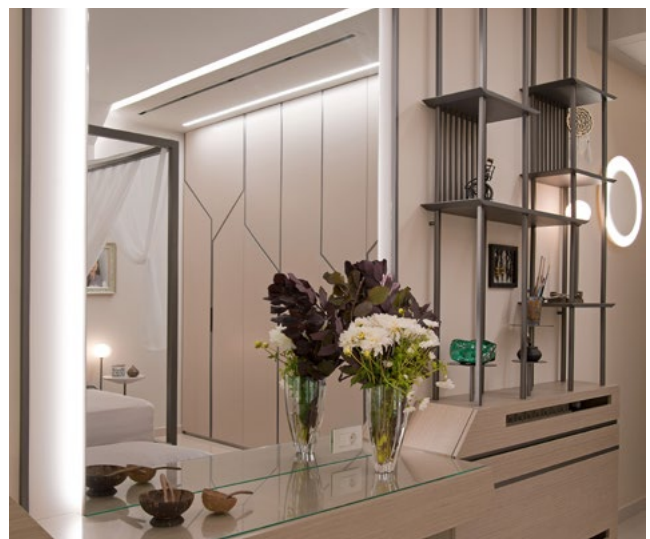
For the bathroom, a special unit in steel and solid teak wood was created to frame the sink and add much needed shelving and storage space.

For the second daughter at Casa K, it's all about the rhythm and colors of the sea. It begins with a



custom-made bed facing the sea, with a suspended installation from the ceiling serving as a headboard and doubling as a dressing unit. The round units, covered with images of the seashore on the bed side and with mirrors on the dressing side, serve as hidden storage. The night tables also extend to the dressing side to provide extra storage space. The closet features stylized curved shapes, while the shelving unit boasts hidden cabinets and an extended bench for study time, all in beautiful pastel shades. Lighting fixtures, including Model Lake from Foscarini added to the walls, and Juncos from Flos Kap White fixed on the ceiling, illuminate the room. Continuing with the same coastal theme, the bathroom wall greets you with a beautiful photo, printed on a glass wall, of people enjoying the deep blue sea, courtesy of photographer Maya Fardoun. The sink unit, fully custom made in shades of blue, is a reminder of sea pebbles.

Switching to more oriental vibes, the eldest boy's bedroom is an homage to his passion for Islamic art. An oriental antique mirror faces the bed that boast a headboard of velvet and inlaid mother of pearl, framed by two antique doors on each side. Underneath the mirror, a cluster of drawers, inlaid with mother of pearl, integrates with the design and





protrudes from the wall. The closet is also inlaid with thin strips of mother of pearl, with the handles hidden behind a minimalist leaf pattern. In lieu of curtains, moveable aluminum panels with stylized oriental patterns draw in the sunlight as desired. Pinup light units from Studio Italia bring the whole mood together.

The corridors are fully covered with a unique custom-made wallpaper, Pajlo by Wall&Deco, which stretches from the entrance to the rest of the house. Wood paneling hides the doors to create a harmonious feel. The bedroom corridors lead to an open space that was turned into a work and study place. To the left of the corridor, Dana, a bespoke sofa table from the Formitable® line, stands proudly.

The study or work area was designed in all white, with a touch of bronze to stimulate calm and clarity, and white back painted glass walls. To the left, a shelving unit made of white wood cabinets and carrara marble partitions and glass mix for the shelves that come in a variety of depth. To the right, deep cabinets allow the architects daughters of the household to store her maps and plans. The L-shaped work area, in high end Formica from Polymer, was enhanced with plants to infuse regenerative energy into the working routine. A one of a kind lighting unit made of customized stylized and suspended leaves from Formitable© adds a sculptural element to the whole space.

Last but not least, the master bedroom greets you with clear lines and soothing emotions as you enter the ton sur ton space. You first step into the dressing room with closets from end to end. The closets are made of Caleidolegno MW Toglio wood veneer, supplied from Tabu Italy, and feature hidden handles and bronze mirrors. Both joints and handles, made of oxidized steel, follow a unique path that goes all through the room. The TV unit facing the bed hangs from the ceiling and holds drawers and storage spaces. Further down the line, is a dressing table with a tryptic of mirrors, with the side mirrors that double as storage. The bed features a customized velvet

head board, made and installed in individual pieces to create a trompe l'oeil effect, while the rest of the wall is covered in bronzed mirrors. Paired, a set of two night tables by Formitable®, grace the side of the bed. Curtains made of velvet panels and sheer material open to breathtaking views of the sea and, if you look up to the ceiling, you are reminded of the lines that run all around the room. Bespoke lighting by Masiero Lighting adds brightness to complete the look.

Working Areas

The kitchen area, part of the original plans, was upgraded by Wael Farran Studio's creative team with Skygarden chandeliers from FLOS, a spot for green plants, as well as Soul, a unique wallpaper from Wall&Deco on the ceiling that makes the space all the more special. The walls were covered with painted glass to facilitate the cleaning process and bring in a freshness feel. Equipped with state of the art appliances from Miele, the kitchen has everything for the perfect home cooked meal. A door opens to a dirty kitchen to handle the heavier tasks that are usually messier. Conceived in a highly technical way with a custom-made barbeque, the dirty kitchen ensures a beautiful and smooth workflow. Glass walls facilitate the cleaning process.

"A family is composed of people who are similar yet different, and that is what we try to convey in our projects," concludes Wael Farran, lead designer and founder of Wael Farran Studio. "While a single thread leads the whole project, we take detours in creativity to let every personality in the family feel at home in their own personal space."

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well as net zero legislation around phasing out fossil fuel heating in our new homes and buildings. These shifting regulations have changed the way we work and created an even greater need for clarity and collaboration between professions.

As the InstallerSHOW has grown over recent years, it now offers Architectural Technologists an opportunity to learn what the issues are for installers on the ground, and how they can play a pivotal role as the sector comes together.

The InstallerSHOW is jammed packed with insightful content, and this year will carry over 7 streams of content over 3 days. Topics covered include the Future Homes Standard, the Clean Heat Mechanism, The Building Safety Act, and the Golden Thread.

“

InstallerSHOW is brimming with inspiration and innovation to help installers and specifiers create sustainable, safe buildings.

Highlights from this content programme include stage hosts Samira Ahmed, BBC presenter, and Environmentalist Philippa Forrester. They will be hosting debates and keynotes from speakers including:

- Deborah Meaden,
- Ed Houghton, Head of Research at DG Cities, author of the report “Defining and identifying complex-to-decarbonise homes” with Department of Energy Security and Net Zero
- Rachael Owens and Sara Edmonds, Regional Directors of the National Retrofit Hub
- Rt Hon Lord Andrew Stunell OBE, President of the National Home Improvement Council
- Jordan Brompton, Founder, Myenergi
- Adam Chapman, Founder, Heat Geek,
- Anna Scothern, CEO, NHIC
- Dr Bola Abisogun OBE, Founder of the Digital Twin Skills Academy

New for InstallerSHOW 2024 is the introduction of Installer Kitchens & Bathrooms, which will showcase the role technology and innovation play in shaping the kitchens and bathrooms of the future, to an audience of 20,000 installers, specifiers, designers, developers, manufacturers and retailers.

InstallerSHOW is brimming with inspiration and innovation to help installers and specifiers create sustainable, safe buildings. A visit to the show will allow you to explore over 600 exhibitors, with leading brands including Baxi, Worcester Bosch, Roca, Hansgrohe, Vitra, Vaillant, Schneider Electric, Aico, Rehau & Grohe.

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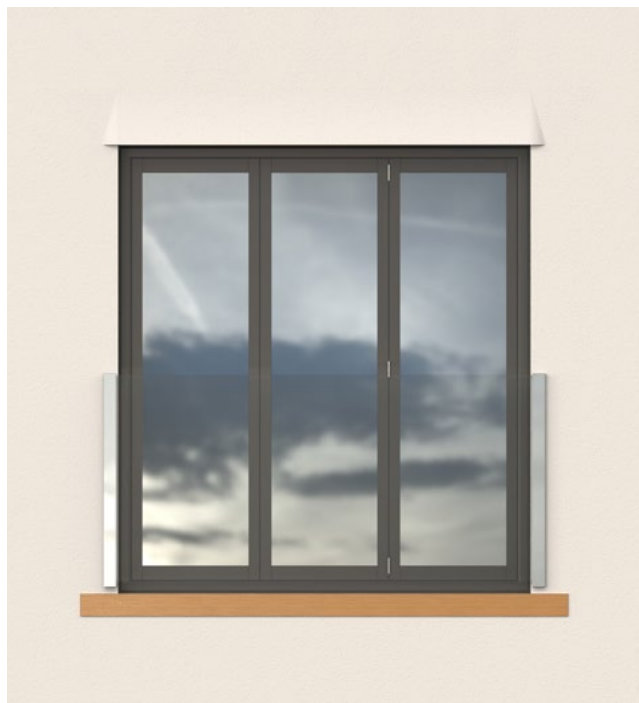
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LEMAY AND LUMIGROUP BRIGHTEN THE HEART OF THE OLYMPIC PARK

Architectural and design firm Lemay, and lighting agency LumiGroup, have combined their expertise to transform a partially under-exploited sector of the Montreal Olympic Park into a bright, warm, and dynamic work environment. Continuing their long-term history of working together on major projects, the mandate was to set up offices which would bring together all the administrative and logistical departments of the Olympic Park in a single location in order to speed up decision-making.

State of play

Following the first visits and volumetric studies of the premises to be redeveloped (a vast elliptical space extending in length under the esplanade of the Olympic Stadium, bordered by a curtain wall on avenue Pierre-De Coubertin), several observations were noted which subsequently guided the design team throughout the project.

“

The people at LumiGroup are creative, meticulous, and not afraid to think outside the box.

“At first glance, it was obvious that lighting would play a crucial role in the success of this project; the design of radial lighting emphasized the architecture of the place and its lighting,” explains Ramzi Bosha, Architect from Lemay. “And LumiGroup was a key player in realizing the lighting concept.”

The location of the future offices, setback several meters below the esplanade, was deprived of natural light, despite abundant windows. The place was dark, and the true ceiling height was unappreciated. On the other hand, the direct view of the street was interesting from a community perspective, and the existing and unique architecture was inspiring. The architects decided to capitalize on these assets by organically connecting the interior and exterior, and basing their layout on the important presence of the spoke structure connecting the curtain wall to the interior of the building to set the scene, enhance, and illuminate it.

From one area to another

The reception area includes enclosed glass meeting rooms, a hidden coatroom, and screens. If necessary, some white painted glass walls can be used as a blackboard during events or meetings. The original concrete floor was restored and re-polished. On some walls, wooden slats warm the space. Here, refurbished Lotus chairs are also rediscovered, designed for Artopex by Paul Boulva in anticipation of the 1976 Montreal Olympic Games. Overhanging recessed and suspended lighting evokes speed and movement.



“Designing partly recessed, partly suspended, lighting fixtures is a fantastic idea, but very complex to achieve because it involves the coordination of several trades and requires extreme precision,” adds Thomas-Martin Girard from LumiGroup.

The main space has been separated into zones, each housing a distinct sector of activity – financial and legal services, human resources, construction, etc. – and assigned one of the colors of the Park’s brand image, corresponding to those of the Olympic rings. The passage points between these areas have been completely painted - floor, walls, ceiling - and are lit by tone-on-tone LED strips. Entering a new area crosses its colorful entrance, and its vibration and energy are absorbed. Once inside the zone, the space regains a neutrality conducive to concentration. The colors call for movement – from one to another, they invite the user to move on to the next area.

Along the curtain wall, the spaces are open and more convivial, promoting collaboration, teamwork, and interactive activities. The further you move away from the windows, the more intimate and cozy the areas become, welcoming closed spaces, acoustic booths, and semi-closed collaboration corners. Even in more private workspaces, the client wanted to open the space as much as possible, which in turn required appropriate acoustic treatment. Therefore, a whole network of felt slats was installed high up, into which the shelf lighting was to be integrated. In the cafeteria, the same fixtures had to be integrated into the reflective white stretched canvas ceiling – another major challenge.

At the ends of the main area, the walls have been entirely covered in mirrors, creating the illusion of an infinitely expanded space. The effect is reminiscent of the project’s signature lighting fixtures, which are reflected on the windows of the curtain wall, giving the impression of flowing outwards from the space.

Lighting with a strong personality

One of the architects’ fundamental ideas for this project was to translate the passionate work of the people of the Olympic Park out into the community, and the site itself featured a spoke structure.



In partnership with LumiGroup, they were able to design lighting fixtures with a strong presence that multiplied throughout the space and unfolded as if in a wide beam.



Starting from the interior of the building, and stretching in a straight line to the curtain wall, the new lighting fixture in the main area merges with the existing organic structure, emphasizing and reinforcing its lines and form. From the outside, the lines of light catch passers-by, drawing their gaze inward.

“The project itself included unusual technical constraints linked to the concrete site, which moves according to temperature variations, particularly in winter, with the cold,” explains Thomas-Martin Girard, lighting advisor and partner at LumiGroup. “Resilient devices were needed, especially near the curtain wall. We had to develop a model of attachments allowing movement of a few centimeters. It was also necessary to design lighting fixtures that were partly recessed, partly suspended; a fantastic idea, but very complex to realize because it involves the coordination of several trades and requires extreme precision.”

To realize the vision of the team of architects, while respecting budgetary constraints, it was necessary to come up with innovative solutions. For example, all the old reusable lighting fixtures were integrated into closed spaces, less in view, reducing costs and waste and making it possible to go further with the busier open spaces. It was necessary to convince a

manufacturer to modify its existing devices to make a “more or less tailor-made” version – a challenge that the LumiGroup team was able to meet.

“The people at LumiGroup are creative, meticulous, and not afraid to think outside the box,” concludes Nadine Chartouni. “In working together, we can be very creative, because they can look at things differently. They are great collaborators to succeed with bold ideas.”

Technical sheet

Project name: Parc Olympique
 Architecture: Lemay
 Designer / Architect: Nadine Chartouni, Ramzi Bousha
 Project managers: Audrey Lafrance, Marc-André Lemaire Perreault
 Production team: Alejandro Mendoza, Éric Reyes Cano, France Lavigne
 Site manager: Steve Lesieur
 Lighting design collaborator: LumiGroup
 Featured lighting products: Luxka, Edison, Absolux, Lightheaded, Elemental LED, Quattrobi
 Photos: Claude-Simon Langlois

www.lumigroup.com/contact



ZUMTOBEL GROUP BRANDS, THORN AND ZUMTOBEL LIGHTING ANNOUNCED AS SILVER SPONSORS OF SERPENTINE PAVILION 2024

This year, the Serpentine Pavilion will be designed by the innovative Seoul-based Korean architect Minsuk Cho and his firm, Mass Studies. Titled "Archipelagic Void," Cho's design promises to be a captivating exploration of space, form, and function.



In line with the Pavilion's vision, Thorn and Zumtobel Lighting are proud to provide all the lighting, ensuring that every aspect of Cho's visionary design is illuminated with precision and elegance. The confirmed luminaires include Thorn's Caelon for the interior, Mystrid Flex to illuminate the underside of benches, and Axyl Greet Bollards to illuminate the pathway, to guide visitors to enter the centrally lit gathering space, enhancing both the functionality and ambience of the Pavilion.

As the Pavilion opens to the public in June, Thorn and Zumtobel Lighting invite visitors to experience the convergence of architecture, art, and light at this iconic annual landmark.

For more information about the respective products, please visit www.thornlighting.co.uk or <https://z.lighting/en/zumtobel/>



The Elgar by Sammode Ideal for boardrooms, restaurants, front of building exteriors, and outdoor spaces

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- Angles slats reflect light back to the ground obscuring the light source
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- Reversible grill
- Waterproof and highly resilient, ideal for indoor/outdoor spaces
- Stainless steel, IK10 composite basin



The Brueghel Direct/Indirect Perfect for business, work and recreational areas.

- 1 light which can create 3 atmospheres/ambiances
- With 2 sources and low luminance grid (UGR<19)
- 2 drivers allowing independent control of direct/indirect lighting
- Colour rendering index of over 90
- Dimmable lighting
- Wide choice of finishes



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Elstead Lighting has been the distributor of Norlys Lighting in the UK and Ireland for over 20 years. Manufactured in Poland the modern and Scandinavian designed products are functional and the answer to the long polar nights, the harshness of nature, and the need for safety.

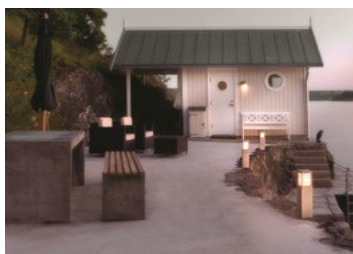
Norlys have their own aluminium foundry, a press department for the production of steel luminaires and a hot-dip galvanising department. Apart from that, they have a machining department which includes CNC machining, a powder-coating department and assembly line. Their pride is their own Testing Laboratory equipped and specialised equipment of the highest class for the testing of luminaires. This lab performs measurements according to the requirements specific to ENEC and in accordance with the ISO 17025 standard.

Depending on the materials used, Norlys products come with at least 5 years warranty and have no coastal exclusion zone. This makes them perfect for commercial and domestic properties right on the harsh coastlines of UK and Ireland.

Featured is the Sandvik flush light, which is a powder coated, die-cast aluminium fixture. Also in this Graphite coloured range is a wall downlighter and an up and down light. It is IP65 rated and comes with a 5-year guarantee.

Norlys has a large collection of robust bollards which are great for pathways and car parks. Featured is the Egersund large bollard, which is powder coated aluminium, integrated LED, IP65 rated and features a UV stabilised polycarbonate lens.

The Halmstad comes in black powder coat, natural wood and galvanised steel options. The raw galvanised steel models across the Norlys range come with an 8-year guarantee - right up to the coast. Featured is the Halmstad, medium size with galvanised finish.



Halmstad medium bollard

Finally, we feature one of the many decorative modern wall lanterns on offer from Norlys. The BERN-E27-S-S-C model is made from marine grade stainless steel and comes with clear glass. This is IP54



Sandvik flush light



Egersund large bollard

rated and has a 10-year guarantee on the coast. Other materials and frosted glass are available in this range.

To learn more about the Norlys collection - contact Elstead Lighting, visit our showroom in Alton, Hampshire or download the Elstead Exterior Collection from our website.

www.elsteadlighting.com



Bern wall lantern



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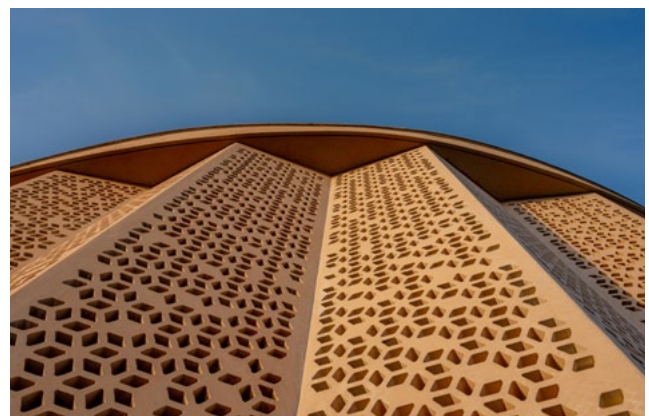


NOKHA VILLAGE COMMUNITY CENTRE

SANJAY PURI ARCHITECTS

SANJAY PURI ARCHITECTS present the Nokha Village Community Centre, located in the desert region of Nokha in Rajasthan, India. The sweeping curvilinear volume rises up from the northeastern corner, looping around the site and rising up on the northwest corner to create a north facing open courtyard.

The brief of the clients was to create a memorial for their father, Padmaramji Kularia. Nokha is a district in Rajasthan that encompasses 144 small villages. Studies of the vicinity and the current facilities in the village schools and the village areas fueled the need to create a community centre for all age groups.



“

The building forms an open courtyard with an amphitheatre to provide a space for music performances, talks, and social interaction.

The main spiral building of 9,000sqft becomes an inclined garden with two varying slopes, allowing it to be used for recreation and gatherings, and offering views of the surrounding desert landscape from the rooftop.

Beneath the garden, at the lower eastern side, there is a small museum with a children’s digital library on the higher western side. The southern side is enveloped in a grass covered earth berm to mitigate heat gain in response to the desert climate, where temperatures of 35 to 40°C are common for 8 months annually. The building forms an open courtyard with an amphitheatre to provide a space for music performances, talks, and social interaction.

The ovoid library is sheathed in natural sandstone screens derived from traditional architecture in Rajasthan, with the stone being sourced from the immediate surrounding area.

These screens reduce the heat gain and create different shadow patterns throughout the day. The library serves all the village schools in the region, most of which do not have libraries of their own. The museum is lit indirectly by scooped recesses within the roof garden berms.



ARCHITECTURAL FOCUS

To facilitate the servicing of large gatherings, a linear amenity block housing, cafeteria, toilets, stores, and parking flanks the entrance at the northern side.

The rooftop gardens, the stone screens, the north facing courtyard, and southern grass berm collectively reduce the heat gain, rendering the spaces energy efficient. Rainwater harvesting and water recycling make the building and its construction sustainable, using local craftsmen and contract labor with materials available in the region.

A building with a built up area of only 9,000sqft (810 sqm) generates a 9,000sqft rooftop garden and a 27,000sqft open auditorium and, in addition to the enclosed spaces, generates usable space that is four times more than the built space.

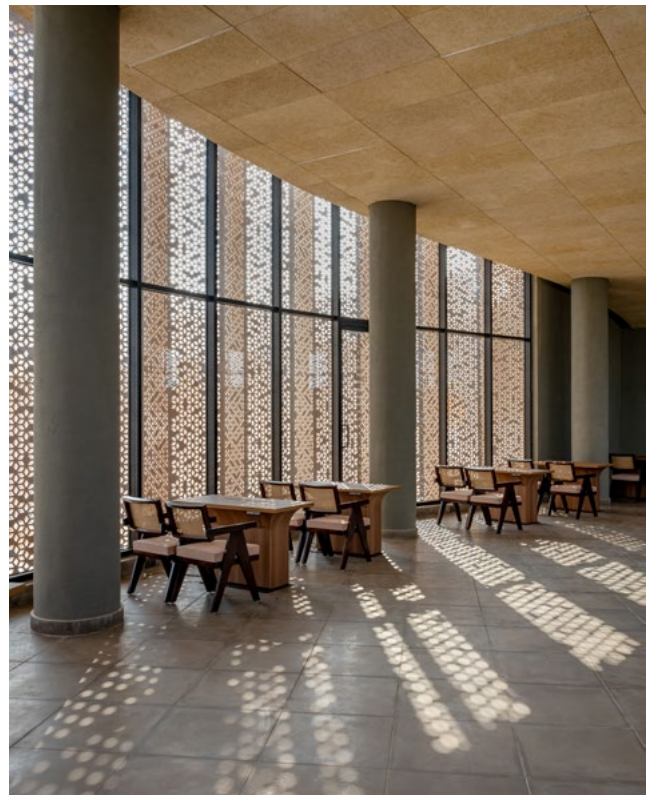
Technical sheet

Location: Silwa-Mulwas, Nokha, Rajasthan, India
Client Name: Padam Interiors
Site Address: Mulwas, Silwa, Nokha, Bikaner, 334803, Rajasthan, India
Start Date: April 2022
Completion Date: February 2024
Gross Floor Area: 13000 SQ.FT
Cost: USD10,85,816
Firm : Sanjay Puri Architects
Lead Architect: Mr. Sanjay Puri
Design Team: Omkar Rane, Madhavi Belsare, Arjun Gupta

Consultants:

Interior Design Consultant: Sanjay Puri Architects
Structure Consultant: Vijaytech Consultants Pvt. Ltd
Landscape Design: Sanjay Puri Architects
Main Contractor: Jagram Suthar
Photo credits: Mr. Vinay Panjwani

www.sanjaypuriarchitects.com





Functional aesthetics for facade and interior

Both aesthetic and functional values were prioritised when the water supply company Aarhus Vand planned a new domicile.

RMIG Solutions was contacted and a perforated metal facade with an aquatic theme was designed using RMIG ImagePerf, illustrating the company's water-related activities.

Indoors, the creative workspaces were also clad in perforated metal to make them resemble free-floating water lilies, harmonising with the exterior design.

01925 839610 • info.uk@rmig.com • rmigsolutions.com



See case studies
city-emotion.com



Technical characteristics
 Raw material:
 Aluminium 55HQ / EN 1050
 Pattern: RMIG ImagePerf
 Thickness: 3.0 mm and 1.5 mm
 Surface treatment:
 Natural anodising N1 (exterior)
 Finishing operation:
 Forming and bending

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Over 400 metres of the Unifold® Gutter lining system was installed on London's iconic venue, The Royal Albert Hall, throughout the summer of 2023.

The Unifold® Gutter Lining System was chosen for its versatility, unfailing ability to replicate existing systems and its long life.

Following a survey by Ampteam personnel, along with Saper Glass Industries Limited, a design solution was provided for the gutters and samples were sent to test fit the Unifold® gutter lining within the gutter cavity, as the throat dimension varied considerably across the profiles.

All runs of the gutter were manufactured to suit the curved nature of the dome which roofs the Hall, and to fit within the minimal throat dimension between the glazing and glazing bars, meaning that bespoke faceted and cranked joint plates were provided so that the new Unifold® lining could follow the profile of the existing gutter.

Full site information was provided including laying sequences, special details and instructions with each delivery of the system.

Ampteam were partnered by Approved Installer, Saper Glass Industries Limited and Faithorn Farrell Timms as contract administrator, and their input and expertise, along with comprehensive discussions throughout, enabled a successful installation of the Unifold® system.

Following installation of the Unifold® every Unifold® gutter run was water tested by flooding the gutter from the top of the run(s) via hose, with additional assistance from the poor weather, and no leaks were detected in any of the installed gutter runs.

Ampteam are at the very forefront of gutter design and manufacture having developed the Unifold® gutter lining system some 20 years ago to provide custom designed solutions to leaking gutter problems.

Each prospective installation is treated as an individual with due consideration given at the design stage, following a survey, to improvements to the original gutter and outlet capacities.

We constantly strive to innovate and develop our products and from this policy further techniques, such as the "hinge" the basis of the folding system, or the clip joint which has been designed to cope with difficult access situations, are examples amongst the many which have been developed to provide our clients with total peace of mind.

Unifold® utilises an EPDM membrane at the wet surface for longevity without fear of corrosion, it employs a double sealed joint which can be guaranteed not to leak and the system is engineered to maximise the potential of each and every installation whether it be in conjunction with roof replacement or over sheeting or just to re-line the existing gutter; given design consideration the majority of installations can benefit from increased capacity and efficiency and to perform very long term without fear of material deterioration or joint leakage.

Our fabrication techniques, whilst employing basic sheet metal technology, are totally unique. Using our hinge principles we are able to form and fold components that would normally be impossible. This ability has been an invaluable aid to the system and its component development.

It is very often a practical and cost effective solution to consider lining an existing gutter and Unifold® offers exceptional life expectancy and corresponding joint integrity, often far better than the original gutter and following design consideration can often actually increase existing gutter capacity, enlarge outlet orifices and introduce additional outlets with relative ease. Sumps can also be introduced to correct or improve the collection of water at outlet positions and it is possible for these improvements to be achieved without disturbing the roof and with the absolute minimum of disruption to processes beneath.

Whenever possible gutters are surveyed by Ampteam personnel. The company actively encourages contractors to use its survey services and this is available throughout the UK and each Unifold solution is designed to provide the client, the building occupier, with the best possible solution and on occasions this will result in an improvement in performance to the original gutter.

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WHERE ROOF AND FAÇADES MERGE

SWISSPEARL LARGO CARAT BLACK OPAL 7025 (R). APARTMENT BUILDING ACME, SOFIA, BULGARIA

Located on the foothills of Vitosha Mountain in Sofia, ACME is a residential complex consisting of three buildings accommodating eleven apartments. The architectural concept focuses on the design of the roofs, which merge seamlessly with the façades and are treated like a fifth façade.

Using the natural slope of the terrain, the architects have stepped the residential buildings as the shared garden cascades down the slope. Referencing the freestanding pitched-roof houses in the neighbourhood, E-Arch Studio Architects have articulated the roofs as symmetrical pitches. The wider building has a lower pitch than the two narrower building volumes. Though the forms differ slightly, the buildings clearly form an ensemble as their material treatment and detailing are identical. By seamlessly continuing the Swisspearl façade cladding as a roof covering, and eschewing an eaves overhang, the archetypal form of “house” has been abstracted and the scale of the houses visually reduced. The third-story windows merge into inclined roof skylights, thus emphasising the continuation of the upper floor with the roof.

While the upper two stories and roof are clad in Swisspearl panels (Carat (R) for roof application), the lower two floors are clad in sienna-coloured masonry. The smooth, dark Swisspearl panels create a strong visual contrast with the russet textured brick façades. By recessing the façades on the end façades, intimate covered loggias have been created. Each apartment has a loggia that overlooks the surrounding garden landscape or Vitosha Mountain rising behind.



“

Using the natural slope of the terrain, the architects have stepped the residential buildings as the shared garden cascades down the slope.

Generous planes of glazing break up the façade planes and floods the interior of the apartments with natural light. The reinforced concrete roof structure was protected first with a waterproof, thermal insulating layer and above covered with high-performance Swisspearl fibre cement panels installed on aluminium profiles. Some of the positive attributes of Swisspearl panels include their high level of fire and frost resistance, and the ability for them to be recycled.

To find out more or to order a free sample, please contact facades@gb.swisspearl.com or visit www.swisspearl.com.

SWISSPEARL



GREEN-UP: THE RESEARCH NETWORK HEADQUARTERS

A TRANSFORMATION TOOL OF AN INTENSIVELY BUILT-UP EUROPEAN CITY CENTER

This multi-functional building project, known as The Łukasiewicz Research Network Headquarters, was carried out by FAAB. The main task of the Łukasiewicz Research Network is to plan and coordinate scientific research and development work carried out by 26 research institutes scattered throughout Poland including, among others, the Institute of Aviation, the Institute of Microelectronics and Photonics, the Institute of Non-Ferrous Metals, and the Institute of Innovative Technologies EMAG. The aim of the Łukasiewicz Network is to assist scientists in implementing research for use in industry. The institution also promotes science and innovation among children and youth.

The patron of the Łukasiewicz Research Network is Ignacy Łukasiewicz, a Polish chemist and pharmacist, and later entrepreneur and social activist. His discovery changed the world and began the era of better lighting, available on a large scale. The invention by Łukasiewicz was first used on July 31, 1853, to illuminate the operating room of the Piarist hospital in Lviv (now Ukraine) during a life-saving procedure.

The facility is located in the center of Warsaw, the capital city of Poland, on Żelazna Street, originally laid out in the 17th century. In the mid-19th century, during the first industrial revolution, numerous industrial plants were built on Żelazna Street, including factories producing various metal items.

The building is 32 meters tall and has 4 underground and 9 above-ground floors. The first underground floor will house a multi-functional exhibition and conference area, while the remaining floors will house parking for cars and bicycles, as well as technical and storage rooms. The space on floor -1 is intended for organizing events popularizing science and innovation, including cyclical workshops, available for all age groups. The INNO café and the Innovation Incubator are located on the ground floor and first floor of the building. By design, both spaces are to create conditions for cooperation and exchange of information between start-up organizations and representatives of the worlds of science, industry, and business. The remaining upper level floors are occupied by office space and spaces designed for group work and meetings.

In the area where the building is located, due to the dense development, there is no space for a public



square or park. Accordingly, the building introduces greenery into the urban space in an innovative way. A vertical garden and a vertical park are planned on the facades of the facility. A green repository is also planned to be built as part of a vertical park in which plants are placed in prefabricated pots made of laminated wood. The park will provide optimal vegetation conditions for native Polish endangered and rare species. In the case of the vertical garden, the installation of a system based on prefabricated panels filled with substrate is planned. It is intended for low plants, resistant to various weather conditions, including evergreen and seasonally flowering plants.

The vertical park and vertical garden will be the basis for the implementation of a long-term research project. Using sensors to examine, for example, chlorophyll levels among others, data will be collected to optimize the process of creating a microclimate around the building. The process will be supported by specialized solutions based on machine learning and artificial intelligence.

The second aspect of the research project will be the development of an automatic plant care system based on the use of inspection drones and care robots.

“

According to current scientific research, the opportunity to experience greenery has a positive impact on people's mental health.

In the initial phase of the project, cooperation between automatic systems and humans is planned. The ultimate goal is to create a self-correcting bionic system that can function without human intervention.

The project scope includes a number of technologies that will reduce the building's demand for water, heat, cooling and electricity. At the same time, solutions have been provided to increase the comfort and well-being of the building users.

Photovoltaic panels with an area of 110m², on the roof and within a dedicated facade structure, will be equipped with a sun-following system that can generate enough energy to illuminate the office areas of the building and power chargers for electric vehicles.

A vertical collector, in the form of probes 200m deep, spaced approximately every 16m, will provide the appropriate yearly heating and cooling to the building. Rainwater from the roof and paved surfaces will be collected in a retention tank and used to irrigate vegetation. Gray water from sinks and showers will be stored and used to flush toilets. Thermal ceilings, compatible with heat pumps, ensure uniform temperature distribution in rooms, and thus optimal thermal comfort for users.

According to current scientific research, the opportunity to experience greenery has a positive impact on people's mental health. A reduction in stress levels and a lower risk of depression and anxiety have been reported. At the same time, an increase in work efficiency and acceptance of the workplace itself was found. Taking this into account, the building will include two internal green areas. The first one, located on the ground floor, opens onto the entrance hall. The second one, located on the 4th floor, opens onto the Creativity Space and the internal café. It is assumed that the green areas, named "Polish Grove", will use native plant species that produce phytoncides, i.e. compounds with bactericidal and anti-inflammatory properties.

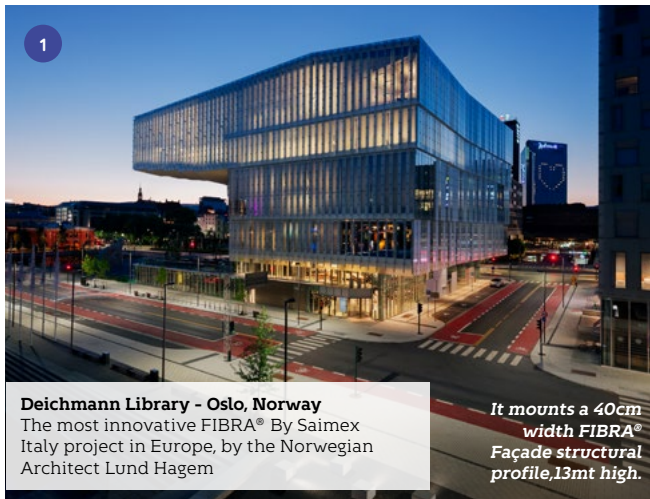
FAAB has been designing and building projects using greenery on the facade for many years, beginning with the headquarters of the Foundation of Polish Science in Warsaw, completed in 2014. In cooperation with Sempergreen Group, FAAB developed an individualized solution for the renovation of the existing building.

In terms of construction of a vertical garden and water distribution management installation - the Vertical Oasis designed in 2020 is a prototype solution in the form of a skyscraper - shaping the climate and designed to be built in harsh weather countries. Now, the Łukasiewicz

Research Network Headquarters, designed in 2023, is a proposal to transform the central regions of densely built-up European cities, based on collective experience.

www.faab.pl/en





1

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2

LapSafe



3

The Mosaic Studio



4

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1

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FIBRA® façade by Saimex (Patent Pending) is an innovative profile for building wall cladding, having a glass fibre base and resulting from a process also used in aeronautics. It is not a panel but a profile with overlapping joints, to be quickly assembled on the aluminium substructure with M6 screws, as simple as a bead facade. The screws are concealed for an aesthetically perfect appearance. As it exits the machine already shaped and ready for assembly, its cost is competitive. The achievable size stands out from what available on the market.

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The Mosaic Studio

The Mosaic Studio has been producing works for over 35 years. Founded in 1989 and led by Paul Siggins, Working for numerous Councils, Private and commercial clients, Interior Designers and Architects.

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Paul and Emma are a great team, with 50 years combined experience. The Mosaic studio houses a wide range of materials for any project - Original Mid Century tiles, Murano Glass, French Unglazed Porcelain and Orsoni Gold to name just a few - it really is an Aladdin's cave of delights.

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4

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7

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Innova Design Group is a leading laboratory specialist delivering 21st century scientific and engineering environments tailored for the commercial and education sectors across the UK. Our approach is adaptable, enabling us to collaborate with a range of stakeholders including consultants, main contractors, architects or educators directly, to bring the aspirations of our clients to life. Whether you're planning a new build or undertaking a refurbishment, we offer a comprehensive service, from user-centric interior design, manufacturing and installation to complete turnkey solution, delivering a high-quality fully co-ordinated project that caters to every budget. Working in partnership, Innova's specialists will collaborate closely with you to provide full support, from assessing the laboratory functionality and associated risks, construction specifics, through to the install of your laboratory furniture, fixtures and equipment, meeting your specific requirements and budgetary constraints.

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9

British designed luxury furniture at affordable prices

Established in 2012, My Furniture are a leading online retailer providing an extensive range of furniture, lighting and home accessories in the UK and across Europe. Their expansive Nottinghamshire based headquarters contains a spacious showroom and warehouse; as well as a dedicated team who create all their designs in-house to a luxury aesthetic. With an extensive knowledge of interiors and a forward-thinking approach, My Furniture are constantly creating fresh and original designs. An increasing number of design professionals are favouring this dependable and affordable furniture provider; including architects, interior designers and property developers. My Furniture, rated Excellent on Trustpilot, are passionate about providing exceptional customer service and offering luxury items at affordable prices. Authentic, reliable and honest with FAST AND FREE DELIVERY TO UK MAINLAND. Delivery available throughout Europe. Discover luxury furniture and a wealth of home décor inspiration, visit: my-furniture.com or call freephone 0800 092 1636.

my-furniture.com

10

Sluice room specialists

Covering the whole of the UK, Stanbridge are the perfect solution/supplier for companies that require sluice room specialists. We offer professional expertise and support for your Hospital, and Nursing Home projects. More than just a supplier, our team will get to know you and your organisation, so that we can guide you towards making the best decision, and anticipate your needs.

We offer the following services :

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Call: 01689 806500 for a confidential chat or Email: sales@stanbridge.co.uk

www.stanbridge.co.uk

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David Village Lighting Introduce a Dedicated Specification Support Team

David Village Lighting are happy to announce the launch of our new Specification Support Department, offering free of charge guidance and assistance with our technical brands including Flos, Vibia, Artemide, Davide Groppi and Bega. As representatives of over 100 of the world's leading designer brands, we've expanded our offering to better service our design partners. Whether this be support with the use of brands' product configurators, technical information, or aesthetic-led advice, our dedicated team are on-hand to support the early stages of your projects, ensuring that lighting can take centre stage. "Having communicated with our design and specification partners over the years, we've found that there's an unfulfilled need for further support on the more technical elements of the products we're able to supply. We've expanded our service to reflect this, and look forward to providing the support that's missing from the market," James Village, Managing Director at DVL.

Email: specsupport@davidvillagelighting.co.uk
Phone: 01142634266

12

Introducing the Microguard range by Advanced Perimeter Systems

The security industry now has to consider the look of a system as well as its effectiveness and reliability. Look no further than APS Microguard range which consist of an assortment of highly effective, reliable and discreet sensors which can be used in a variety of environments.

From entrances to roof space, APS has a range of systems which suit different security requirements. These systems use the latest microwave and infrared technology to create an invisible barrier that when crossed will generate an alarm to detect an intruder. They are unaffected by adverse to weather conditions and can be integrated to existing security measures to give you the defence in depth you need.

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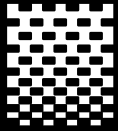
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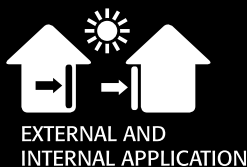
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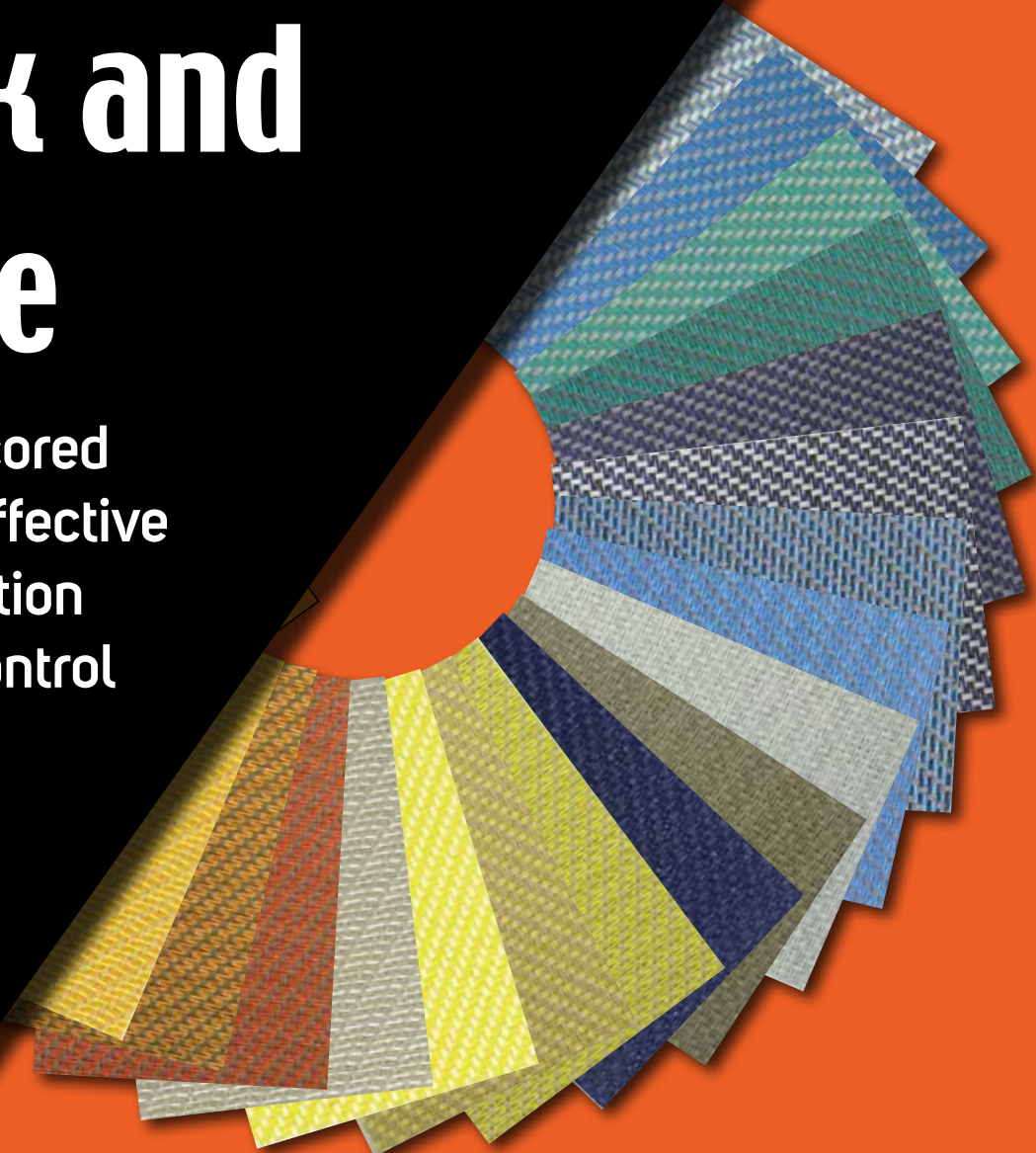


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