

Building & Construction Review



What to expect from Dudley Industries at the London Build

Dudley Industries are currently gearing up for their showcase at the upcoming London Build 2018 Expo. Held on the 23-24th October at the Olympia London, this exhibition boasted incredible numbers, with last years' bringing together 254 exhibitors and over 17,500 visitors. It offers the entire construction and engineering sector an unprecedented networking opportunity, as well as the chance to celebrate, discuss and discover all the latest trends in the industry.



high performance metal products backed by unrivalled manufacturing, Dudley Industries have managed to become a household name in the industry. Based in Lancashire, their expertly in-house made

dispensers are distributed throughout the UK, Europe, America and the Middle East.

Dudley Industries' broad range of products includes everything from soap dispensers to hand dryers to towel cabinets, and much more hygiene and washroom based equipment.

T +44 (0)1253 738311
www.dudleyindustries.com

One of the exhibitors, Dudley Industries, was first set up in 1942, specialising in sheet metal engineering, particularly stainless steel. Boasting competitive prices,

Useful guides and answers



Schiedel have a range of detailed Installation Instructions available to download as PDFs from their website: schiedel.co.uk, as well as some Frequently Asked Questions. All the guides have comprehensive information on approvals, as well as guides on chimney design prior to any installation and details on connecting flue pipes. The guides also show a number of typical installation

scenarios for the range, as well as load bearing data and distance to combustibles. To visit the Frequently Asked Questions page and to download the guides, please head over to: www.schiedel.com/uk/faqs

Contact
T +44 (0)191 4161150
info@schiedel.co.uk
www.schiedel.com/uk



U70
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Tenmat: UK leaders in Passive Fire Protection

The Tenmat name first came about in the 80s, but the factory site in Manchester has been operating since 1914. Tenmat manufacture a huge range of advanced and safety critical composite components that are used within a wide range of global applications found within rail, marine, automotive, high temperature as well as the fire protection and construction industries.



protection products are third party tested and in-house quality checked.

One of Tenmat's most highly sought after solutions are included in their passive fire protection range. These specially designed intumescent materials can be installed within doors, windows, walls, ceilings and floors in order to limit the passage of fire and smoke, effectively containing a fire to one room or fire compartment. They work by expanding rapidly in the presence of high temperatures, sealing off any potential route for fire to spread. All of Tenmat's fire

After recent testing, it was confirmed that Tenmat's intumescent materials are also Low Smoke and Zero Halogen. This means that when in a fire, the materials will give off significantly less smoke than other competitive materials and as they are Zero Halogen, they will not emit toxic halogen gases.

Going into the future, Tenmat have doubled their fire testing budget and as such will be investing further into existing and new fire protection solutions. If you would like to take advantage of Tenmat's many components and materials, don't hesitate to get in contact today. Alternatively, you can find out more information by checking out the website below.

T +44 (0)161 872 2181
www.tenmat.com



GLW Engineering
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Sunfold Systems
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British made windows, doors and conservatories

One of the fastest growing names within the world of fabrication right now is U70, a UK company based in the South East that specialises in PVCu windows and doors.



U70 was first set up back in 2001 and is based in Witham Essex where their state of the art 38,000 square foot manufacturing site is based, where production of their high quality PVCu products and associated equipment is carried out. Right now, U70 manages an amazing turnaround of producing approximately 1,200 items a week, allowing them to meet client demand with ease. The majority of their client base is made up of local builders and medium sized commercial contractors, with the company operating across the whole of the UK.



also reduces the length of time for order acknowledgements and paperwork ensuring a much speedier service to customers.

One of U70's latest launches includes their residence collection, which is already taking off and has proven a hit amongst the residential sector. Residence Collection windows are a set of premium windows which feature everything from maintenance free materials to a 0.8 U-value, an A++ Energy Rating and superbly elegant designs. Perfect for the home, the Residence Collection windows come in a range of colours, with internal and external dual colouring also available. In light of their remarkable energy saving capabilities, contemporary design and durability, these windows have already proven highly popular amongst clients.



When it comes to their doors, U70 have a broad selection including composite, bi-folding and patio doors, and also Warmcore sliding systems for those seeking French and residential doors. Keith explained, "Our composite doors has over 20 different styles, with the majority of them having a choice of seven colours and six coloured foiled finishes. On top of that, there is a selection of glazing options too all tested by the BSI."

Bi-fold doors have exploded in popularity in recent decades, affording home owners a stylish, modern and discretely operated door that fills the room with light and maximises use of space. U70's bi-folding doors come with a number of features such as concealed locking hardware, stellar insulation capabilities and profile technology. PVC



and Aluminium doors are among their most highly sought after, affording owners an attractive, strong and low maintenance option. With a maximum width of 900mm, U70's PVC type doors have a selection of colours and furniture pieces, including Renoit foils.



As the rate and standard of manufacturing improves, extensions such as conservatories have become more available for those with smaller budgets. One of the great things about conservatories is that they can function in any way the homeowner wants, whether it's as an extra living room, gym or study area. In line with this flexibility, U70 can offer Lean-to, Victorian, Edwardian and Gable style conservatories, all of which have their own unique benefits.

Keith added, "One of our best-selling conservatories is the Orangery concept. These are a favourite amongst those seeking to maximise natural light within the home. Thanks to the large translucent glazing area, the Orangery conservatories are great for flooding the room with light and creating a bright, peaceful and highly modern setting that's perfect for enjoying the garden scenery, relaxing in or entertaining guests."

If you are seeking windows, doors or conservatories, be sure to get in contact using the details below. You can always catch a member of the team using the number below and also find more information by checking out the website.

T +44 (0)1376 511360
www.u70.co.uk



Primarily working within the new build, commercial and window and door replacement sectors, U70 have built up a reputation as a reliable, no nonsense and professional manufacturer of energy efficient windows. Windows are all manufactured as standard to pass 24 standards with the option of (SBD) secured by design with a small up lift in price. Their large range of products includes windows, energy efficient frames, doors and even orangery design solutions for lantern and glazed roof features.

There are a number of ways that U70 has managed to set themselves apart from the rest of the pre-fabrication industry, with one of these being their superb quality of windows. The U70 windows are specially designed using 100% Virgin extrusions and 70mm of PVCu. PVCu windows come with a number of advantages, in part thanks to their blended composition; this includes rigidity and excellent weather capabilities, reducing the risk of damage, discoloration and deterioration over time. There is an extensive range of colours to choose from including these colours as standard; Rosewood, Brilliant White, Rich Mahogany and Golden Oak.

All of the U70 windows are designed to be easy to clean, long lasting and are all also fully accredited.

For this issue we spoke to Keith Arm about the company and he explained that with the latest technology they manufacture all windows and doors in a paperless factory, with a barcoded system – allowing U70 to deliver completed orders quickly with no impact on the environment. Their online quoting and ordering facility



High End Lofts: Not your typical trader



Building and Construction Review are extremely pleased to announce that High End Lofts have been awarded the **Commitment to Excellence profile** for its outstanding services to the Loft Conversions industry.

Loft Conversions have seen a huge boom in recent years. With the housing market being as expensive as it is, many people are opting to 'go up' instead of move to a larger house.



People are realising that they can add huge amounts of equity to their property, spending 40 – 50k Including V.A.T. and adding 70-100k to the value of their house by creating a loft conversion.

They can enjoy all the added space without having to get to know new neighbours, they can keep their children in their current schools and cause minimum upheaval to their lives.



High End Lofts Ltd. was founded by Tom Tierney and Chris Masters in 2017 with Tom being in the building trade for 20 years and building lofts for customers for the last 10 years. Tom is a staircase maker by trade, a skilled job requiring lots of accuracy, and fell into the loft trade almost by accident.

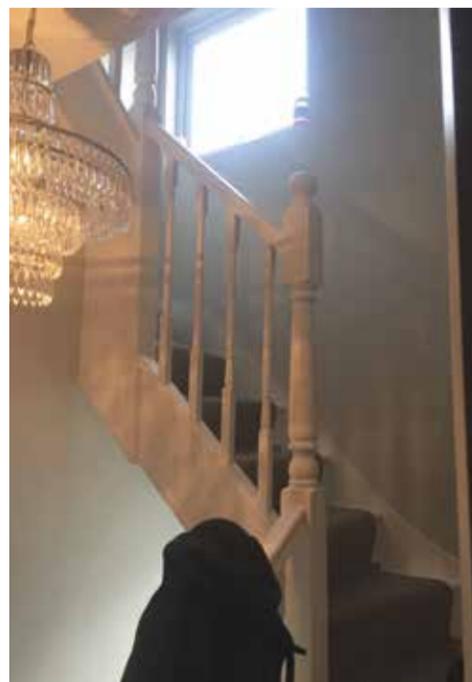
He fitted a staircase for a father of two who had been deserted by his builder, taking the payments and not returning to finish the job.

Tom stayed on and finished that job, rescuing the homeowner from his predicament, and word of mouth did the rest.



Now after ten years in the trade and having completed nearly 300 lofts he knows the loft building industry inside out.

We spoke to Chris who explained, "We founded our company on trust. We're well aware of the frustrations of dealing with builders and people want a builder they can rely on and who is honest to them from the start. It's well known that builders can be economical with the truth, shall we say, and we are determined to buck that trend. Customers trust us, because we tell the truth from the outset. We strive to be open and honest."



"Our services cover Loft Conversions and Extensions in the East and North London areas and we're perfectly happy to do some of the customers' smaller jobs along the way; if they need a porch built or a bathroom refitted, we can work that into the build."

"All in all, working with our customers to achieve their dreams has taught us how important it is to be dependable. It's something our customer's value highly."

Contact
T +44 (0)203 011 1440
www.highendlofts.co.uk



Frelan: The name of quality architectural hardware

At Building and Construction Review, we are delighted to endorse companies that go above and beyond for their customers. Therefore, we are pleased to present Frelan Hardware with their large range of stocked products, quick deliveries and friendly customer service.



Since its formation in 1973 Frelan Hardware has grown to become one of the leading suppliers of Architectural ironmongery, supplying to builders and timber merchants in addition to architectural ironmongers and D.I.Y. outlets. Located in Mitcham, Surrey, Frelan supply to companies in mainland UK as well as Ireland and the Channel Islands.



Frelan have an extensive range of products with over 3,000 products available for next day delivery to the mainland UK. Their range includes door handles, hinges, window fittings and cabinet furniture available in various materials such as brass, zinc, aluminium, stainless steel, pewter and black antique as well as a range of mortice and cupboard knobs incorporating Swarovski elements. Frelan strive to offer a variety of styles and finishes to their customers for use in domestic or commercial projects.

This year they added to their available services a new bespoke design service. If a client requires a new or unique design Frelan's designer will arrange a consultation to understand the clients need and discuss the technical aspects of what they require. Once all the information has been gathered a fully rendered drawing is produced for approval and if everything

is acceptable a 3D model will be produced so that the customer and their client can see how it will look and feel. Once the client is happy with the design a sample will be produced by the factory for the final acceptance by the client and it will then be moved into production.



During our interview with Simon Boisson, we asked what he felt Frelan offered its customer base. "With over 3,000 products available from stock, we strive to offer customers a diversity of products at a competitive price to enable them to compete in their marketplace. We are always looking to increase our quality of product and services, so we can offer our clients a fast efficient and friendly service through our sales team who are available to offer advice prior to and after their purchases. With the addition of our bespoke design service we can now offer products for all type of contracts whether they are large or small or high or low specification."



We also asked Simon if Frelan had plans for any future improvements. "We recently expanded our warehouse by adding another unit which has allowed us to keep larger quantities of our core ranges to satisfy demand. Also we are pleased to announce that there will be an



upgrade to our website which will make it even more user friendly for our customers, also at present we are working on our next catalogue which will give more detail on the products and include an increased range of products fully tested to CE standards as well as showcasing our new products especially our new range of designer levers on rose."

If you would like more information about Frelan Hardware and their services, contact them on the number below or visit their website.

Contact
T +44 (0)20 8648 1500
sales@frelan.co.uk
www.frelan.co.uk



GLW Engineering: Specialists in Construction Services

GLW Engineering was originally set up in 1992 by Geoff White and a fellow friend, with the company known as Joe Bloggs Engineering. After 5 years, the partners went their separate ways and the company transformed into GLW Engineering as it is known today.

The family owned business is now ran by Geoff and his wife, who pride themselves in being one of the UK's leading specialists within the construction industry. The company were based in Wisbech for 14 years, but moved to March where they have been for the past 6 years. The company generally operate across Norfolk, Cambridgeshire, Lincolnshire and Suffolk, however larger scale projects are conducted nationally across the UK. Their vast client base is made up of single self-builders, SMEs and larger companies, contractors, architects, structural engineers and many business and private customers. Last year, they celebrated their 25th Anniversary in the business, owing to the whole team's experience and enthusiasm for the industry.



GLW Engineering specialises in providing products and services such as staircases, handrails, Structural Steelwork, shot blasting, sand blasting and soda blasting. In addition, the company have also recently added powder coating to their wide range of services; GLW Engineering can now powder coat aluminium, mild steel, galvanized steel and even stainless steel. Better yet, the company are also available to consult with clients on their bespoke requirements, tailoring their services to their needs. Essentially, the talented engineers at GLW Engineering can fabricate practically any metal structure in any quantity using their first class design service. As a long-established company, they are guaranteed to offer flexibility, time efficiency, and the ability to provide competitive prices that are suitable for all clients.

In addition to their many bespoke products and services, GLW Engineering use 3D CAD design facilities and can custom build objects in Mild Steel, Aluminium & Stainless Steel, all of which are built to high quality standards within their modernised workshop area. The company have had many years of experience in the design, manufacture and installation of fabrications, with all staff trained and well up to date within their sector, ensuring



Geoffrey White, Managing Director of GLW Engineering & Construction Ltd

a professional, efficient and friendly service for all clients.

One of the company's most highly sought-after services includes their Shot Blasting. This refers to a method of preparing steelwork for a protective coating to be applied. It is best described as preparing the surface material of a product for coating by first removing surface contaminants and providing a surface profile for increased coating adhesion. GLW Engineering use a range of different specialist equipment to clean, restore and protect all types of items.

The company's Soda Blasting service is perfect for cleaning anything from timber to wood, oak beams, oak floors, doors, stairs & bannisters, cars, boat



hulls, masonry, food processing equipment and even structural steel. Soda Blasting is one of the best industrial cleaning methods, capable of efficiently removing and cleaning multi-layered surfaces all the way down to the base. Due to how thorough and reliable the cleaning is, Soda Blasting effectively eliminates the use and need of toxic chemicals, plus methods such as scraping, sanding and abrasive blasting. Soda Blasting has also been made safe



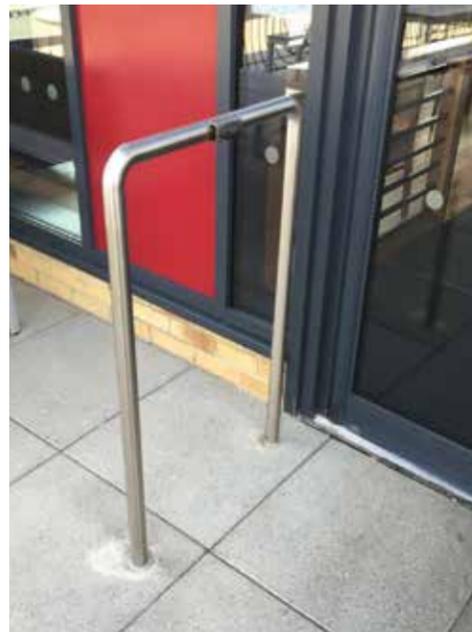
to use on metal, fibreglass, glass, chrome, rubber and trim. Not to mention, it can even degrease and remove paint without damaging or distorting the product.

Another facet of the company that the White's pride themselves upon is their outstanding Customer Service provision, which sits at the heart of the company. Everyone is guaranteed a full service, with



the company working closely with all clients all the way from design to product to installation and after service support. Often times, clients may have an idea of what they need but nothing really concrete, with no blueprints or specifications. However a vision is more than enough for the GLW design team, who can take that idea away and return with the final product, ready for installation.

As one of the most impressive companies in their sector, GLW Engineering have many successfully completed projects to their name, covering metal railings, canopies, steel staircases, bicycle parks, silos



and bins, steel gates, grilles, trolleys, benches, steel building frameworks, handrails and balustrades. Among their most recent accomplishments is the building of a unique and striking staircase in Norfolk, complete with lights running alongside each step and a transparent glass panel. Details on all this and more can be accessed on the portfolio section of the website.

On top of their professional dedication, GLW Engineering is also committed to becoming as energy efficient as possible, with solar panels and movement sensors on all of their secondary and low energy lighting. For further information or general enquiries, please visit the GLW Engineering website. Free quotes are available upon request through the website. Alternatively, you can contact the company via telephone or email.

Contact
T +44 (0)1945 464637
info@glwengineering.co.uk
www.glwengineering.co.uk



A standout year for Sunfold Systems



For this issue of Building and Construction Review, we are incredibly pleased to present Sunfold Systems with our highly coveted **Window and Door Company of the Year** award in light of their wide range of expertly made, heat efficient and modern products.

Sunfold Systems was established by Michael Rawlings back in 1989. Located in Wymondham, they operate across the whole of the UK, providing high quality and innovative doors, windows and glazing solutions.

Sunfold first made a name for themselves nearly thirty years ago, as the first ones in the UK to realise the potential of folding sliding doors. Importing them from Europe, Sunfold supplied the UK with the first set of folding sliding doors, a trend which has become so large and widespread that they are now commonplace in homes across the country.

The past 12 months have seen soaring success for the company, with a 20% increase in turnover and a significant rise in sales across their entire windows and doors range. In recent years, there has been a growing trend of minimal glazing, whereby more of the actual window pane is visible and less of the frame.

This lets in more light, shows more of the outside and has a more modernistic feel. This year, Sunfold have released a number of new windows that match this trend, with thinner sight lines and slimmer frames.

Typically those with older style windows from the Victorian era and those with metal pressed windows from the 1920s and 1930s, suffer from draughts, leaks and frequent condensation.

Sunfold are able to provide windows and frames of all styles, with double glazing to ensure better heat efficiency and durability.

This ensures that older style homes can maintain their ornate and historic appearance whilst still having the benefits of a modern window.

Sunfold also recently brought out their new timber aluminium window. Providing the best of both worlds, the timber inside and aluminium outside composite window frame keeps maintenance to a minimum whilst maximising weather tightness. It also has a sight line of just 45mm plus triple glazing and triple seals.



We spoke to Managing Director Michael Rawlings about what else Sunfold has been up to this year, to which he explained: "We are incredibly proud of our brand new patented Cavity Closer. Cavity Closers are designed to conceal the window frame behind the brickwork, showing just the window pane with none of the frame. It is reminiscent of Victorian sash windows and will be launching in 2019. It is expected to be a hit among architects and house builders who are seeking to create a modern styled home."

2019 will also see the launch of Sunfold's highly anticipated 'Cubo'. This single glazed extension has been created to utilise more space outside from the Spring through to the Autumn.

Michael added, "Typically, conservatories get very hot in the summer and very cold in the winter, sometimes rendering them unusable! Our new Cubo innovation has been cleverly designed to reduce the amount of heat that gets trapped in conservatories, cooling the room and making it more comfortable during the summer."

Keeping on top of the ever changing industry, Michael and the Sunfold team have been working to push down the U values on all their windows. U value is a measurement of heat efficiency, whereby the lower the U value, the more efficient the window is at retaining heat. This is great for energy efficiency, keeping



Mike Rawlings, Managing Director presented the prestigious Company of the Year Award



L-R: Pete, Gary, Luke, Will, Will, Bev, Dave, Sam, Chrissy, Adam, Georgie & Mike

costs low, and for the environment as home owners can use less energy to heat their homes.

Old and single glazed windows tend to have a U value of around 5, whereas double glazed windows have values of 2 or 3, and most of Sunfold's windows boast a value of under 1.4 some being as low as 0.8. With better insulation and better performing glass, these windows have proven highly popular among customers.

Next Spring, Sunfold will be showcasing all this and more at their brand new showroom. Unlike typical showrooms, which are often large, cold and with lots of empty space, Sunfold's showroom will have a homely and comfortable atmosphere, recreating the feeling of being at home so that visitors can

see the windows in a more 'natural' setting. On being named as our Window and Door Company of the Year, Michael said, "We were the first in the UK to bring folding sliding doors to the UK, so it is important for us to stay on top of the trends and developments of the industry and maintain our reputation as innovators. As such, we are incredibly delighted to be awarded as a Company of the Year and recognised for our efforts."

If you are interested in finding out more about Sunfold and their great range of products, be sure to get in contact using the details below. Alternatively, you can always check out the website for more information and images of their wares.

T +44 (0)1953 423423
www.sunfold.com





Sunfold Systems are proud to present the MINIM Door.

With slender profile sight-lines and fantastic thermal values, MINIM stands alone in terms of design, technology and aesthetic appeal.

Constructed to endure high volume use, varying season demands and impressive panel sizes.

MINIM offers expansive views with clarity and precision, light is so important in today's modern home and is paramount to the Sunfold method.

Effortless operation and high security offer continued enjoyment of the system, relax in the comfort of a warm home through architectural design and cutting-edge technology.



Composite Solutions: Invi & Fusion blend a unique construction of internal timber and low maintenance external aluminium cladding.

With a variety of finishes, the timber can be tailor matched to compliment your internal design scheme.

High security locking as standard, with extreme weather performance.

The fusion window transcends building regulations whilst retaining elegant and aesthetic appeal.



Folding Door: The SFTS80 uses sophisticated design to incorporate thermally broken and insulated aluminium profiles. Specially engineered to enable large glass panels to be moved effortlessly across the widest of elevations, maximising your views and bringing the outside in.

The innovative system incorporates a unique internal pressure seal that is activated at the turn of the handle, creating a sliding folding door suitable for use in the most exposed and extreme environments, providing a market leading thermal performance.



Roof Glazing: Plays an integral role in creating light and space within the home. Rooflights, lanterns and panoramic glass flood a room with natural daylight. Sunfold Systems offer a variety of solutions to enhance your vertical glazing.

Winter Gardens: The SF Winter Garden is unique to the market and offers endless versatile design possibilities. Using sophisticated engineering the system is compatible with most of our vertical glazing solutions.

For simplistic lean to roofs to full glass and aluminium structures, each project is rigorously tested and qualified for each onsite scenario.

www.sunfold.com T: 01953 423423 Email: info@sunfold.com

When only TuffStuff will do

Building & Construction Review is extremely delighted to announce that Tuff Waterproofing have been selected to receive this issue's esteemed **Roofing Company of the Year Award** due to their unbeatable, heavy-duty GRP waterproof flat roof systems.

Tuff Waterproofing was established 7 years ago, and they have since become renowned as one of the UK's leading providers of roofing solutions, including GRP and Polyurethane roofing systems, materials, equipment and related services.

From their site in North Yorkshire, Tuff Waterproofing work with builders' merchants and roofing centres across the UK, providing advanced formulas that guarantee a waterproof and seamless finish. 2018 in particular has been a monumental year for the company, as they have managed to accumulate a record-breaking number of sales. This has allowed them to further invest into their facilities, including their range of products and their team of highly qualified and expert staff.

In addition to their leading products, one of the best things about Tuff Waterproofing is their team. Compared to many others who may specialise in solely manufacturing or just installation, Tuff Water are able to offer everything from supplying their flat roof systems to providing training and support, Tuff Water offer a completely thorough and full



service for customers which is second to none. Gregory Gimenez, Managing Director at Tuff Waterproofing, explained, "The life blood of Tuff Waterproofing is in our ability to provide exceptional training and a professional support system for all of our clients. Our current dedicated team has between 15 and 20 years of experience in development and installation of GRP and Polyurethane products, thereby offering the very best in technical advice in the business."

One of their latest products includes the highly lauded Tuff Tech Pro® VP/LV flat roof waterproofing system. Made using three layers of Polyurethane Liquid, this system creates a completely elastomeric, moisture triggered and waterproof membrane that can be used on all different types of flat roofs. With its precision engineered formula, Tuff Tech Pro forms a seamless barrier against water ingress while still maintaining vapour permeability. It also has built in solar reflectivity, making it highly energy efficient, cost-effective and preventing UV damage, which



can lead to splits and tears. Not only that, but Tuff Tech Pro is also easy to install, capable of being applied to complex shapes and details with ease.

Thanks to their incredibly innovative and high quality made products, Tuff Waterproofing have built up an enviable reputation across the country. In fact, they were even selected to collaborate with the global giant Velux with their new flat roof window range.

All this and more was showcased at this year's UK Construction Week, which was held during the 9-11th October 2018 at the NEC, Birmingham. Here, Tuff



Waterproofing demonstrated how their products could be used, how fast they can cure and be installed, and how they can work with many different types of flat roofs. If you would like to catch the team at one of their many tradeshow appearances, they will be attending the upcoming Jewson Conference 2018, where they will have more information and displays on their many products and formulas. Known as the UK's biggest builder's merchant show, Jewson will be taking place at the NEC on the 13th December.

If you would like to get in contact or find out more information on Tuff Waterproofing and their full range of products, then be sure to get in touch using the contact details listed below. Alternatively, you can also check out the website for more information.

T +44 (0)1977 680250
www.tuffstuff.co.uk



Electrical Company of the Year

Real, genuine parts for commercial and domestic appliances

Building and Construction Review UK is extremely proud to announce that UK Spares has been specially selected to receive our commendable **Electrical Company of the Year Award** in light of their wide array of genuine manufacturers' spare parts.

UK Spares was initially established in 1993 by UK Electric Ltd. Based in Almondsbury, Bristol, they provide a wealth of spare parts that can be used in commercial and domestic applications across electric, water, and heating sectors.

The company have built up a reputation over the decades for their genuine and precise parts, and have come to be known as one of the most reliable suppliers across the UK. Operating both nationally and globally, their spare parts cover machinery within electric water heating and electric space heating, with all parts fully functional. In addition to their long running experience, UK Spares are part of UK Electric Ltd and as such have a number of sister companies across a broad range



of sectors, such as electrical, mechanical, lighting and controls, all of which helps to inform UK Spares' own expertise.

When it comes to sourcing spare parts, many buyers often go for the cheapest option available, which is more often than not an alternative to the original. The part may look the same, function the same and be marked as compatible with the original machine in question. However these alternative parts can lead to rapid wear and tear, complications and breakdown of the appliance.

UK Spares can provide the genuine manufacturers parts for an ever growing selection of appliances and brands, such as Ariston, Beko, Bosch, Creda, Dimplex, Electrolux, Hotpoint, Karcher, Morphy Richards, Samsung, Triton, Whirlpool and Zip, with many more also available. They have thousands of spare parts stocked, whether for convector heaters, cooking appliances, fan heaters, fridges and freezers, panel heaters, showers, towel rails, vacuum cleaners, water boilers and heaters, and ventilation equipment.

On top of the actual parts themselves, UK Spares also has an enviable knowledge base, and can assist clients with advice and guidance as to what the best spare part needed would be. They work



primarily with electrical wholesalers, installers and electricians. With their expert advice, they have helped customers around the world get the parts they need to have their appliances up and running once again, facilitating home life or furthering their businesses.

There are a great many reason to opt for repair as opposed to replacing. Although it might seem easier to just replace a broken down item, this is far most costly and environmentally harmful in the long run. With just a simple parts replacement, you can extend the life of your appliance without shelling out for a whole new item. Additionally, this drastically cuts down on waste and landfill.

If you would like to get in contact and find out more about UK Spares' specialist spare parts, then do not hesitate to pick up the phone today. Alternatively, you can contact the company via email or you can find more information by checking out the website listed below.

T +44 (0)1454 620500
sales@uk-spares.com
www.uk-spares.com



Record supporters for Fire Door Safety Week campaign

- ▲ Fire Door Safety Week reaches campaign high with over 350 supporters
- ▲ Five powerful videos sharing Fire Door Safety Week key messages watched by more than 5,000 viewers
- ▲ Nearly 30,000 visits to the campaign website so far this year – up 44% from 2017

The award-winning Fire Door Safety Week campaign reached a new high in 2018, gaining support from more than 350 individuals, organisations and businesses, and reaching millions through press coverage and social media activity.

The week is run by the British Woodworking Federation (BWF), the Fire Door Alliance and the Fire Door Inspection Scheme, in partnership with the Home Office's National Fire Safety campaign. It aims to stamp out the legacy of neglect of fire doors across the UK, while raising awareness of the crucial role that fire doors play in protecting lives.

This year's campaign was particularly successful online, where the Fire Door Safety Week website traffic increased by 44% to nearly 30,000 visits to date. On Twitter, posts sharing vital campaign messages reached over 1.5 million users and the hashtag #FireDoorSafetyWeek achieved 500k impressions through impressive user engagement which resulted in more than 550 mentions and 1,000 retweets.

As part of the campaign, a poll of 1,000 UK adults in rented accommodation was conducted to highlight attitudes towards fire safety and results demonstrated that there is still much more to do to ensure that standards within the industry are raised. The shocking responses showed that only a quarter of tenants have been reassured or had discussions with their landlord about fire safety in their building. With so little done to address the concerns of tenants, landlords still have a long way to go to meet their fire safety responsibilities. In addition, almost three quarters of flat tenants would ignore the guidance to 'stay put' if there was a fire in their building and their particular flat was not affected, indicating a lack of confidence in their building's ability to stop the spread of fire or smoke.

Supported widely by the media, the campaign has so far resulted in more than 90 national, regional and trade pieces of news coverage including an article on page two of The Times on the first day of the campaign. In addition, 12 radio interviews with campaign spokesperson Hannah Mansell reached a potential audience of 31.7 million through outlets including Sky News Radio.

A series of five powerful films formed part of the week, one of which was a tribute to the victims, survivors and bereaved of Grenfell. So far, the films achieved over 5,000 plays.

Hannah Mansell, spokesperson for the Fire Door Safety



Week campaign, as well as BWF Head of Technical Research and Insight, Chair of the Passive Fire Protection Forum and a Trustee of the Children's Burns Trust, said, "This year's campaign reached a new high. Gaining our largest number of supporters to date, it brought together supporters from the construction supply chain, housing associations, fire and rescue services, action groups as well as members of the public.

"But even with this year's reach and engagement, it's clear that our work is not done. It's easy to see that fire doors remain an area of neglect across the UK, with poorly installed and maintained doors regularly reported to us.

"Fire doors play a critical role in protecting occupants and the emergency services in a fire. It's disgraceful that such a low number of occupants have been informed by their landlords about the fire safety plan for their building. We are talking basic information, but information that could make the difference between life and death.

"Over the next 12 months, the BWF will continue to raise awareness of the lifesaving role of fire doors and importance of third-party certification to help improve building fire safety as we move into 2019 and begin planning for next September's campaign."

For more information on Fire Door Safety Week, please visit: www.firedoorsafetyweek.com

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Lanes illuminates lighthouse conditions

Drainage engineers at Lanes Group have beaten the tides to look deep into the sewer system of one of the UK's most picturesque heritage lighthouses. The team from Lanes' Newcastle depot was commissioned to clean and survey the drains and sewers underneath the 119-year-old St Mary's Lighthouse in Whitley Bay, Tyne and Wear.



The work was part of a wider scheme to upgrade and safeguard the Grade II-listed landmark, and enhance its role as an important tourist and educational centre.

A Lanes jet vac tanker and a mainline CCTV survey unit were deployed to carry out the work, with one key condition always in mind, the drainage engineers involved had to keep an eye on the tides.

The Lanes drainage engineers used a push-rod CCTV drainage survey system to capture HD-quality video footage inside the pipe network, revealing the system's structure and any faults.

North Tyneside Council, which owns the site, has been given £164,300 by the Heritage Lottery Fund for structural and ecological surveys of the site, and to develop a conservation plan.

T +44 (0)800 526488
sales@lanesgroup.co.uk
www.lanesfordrains.co.uk

Air Quality Control Solutions for home and commercial use

Alorair recently attended this year's world famous FloodExpo, where they showcased their wide range of dehumidification solutions.

The Flood Expo is the world's largest flood exhibition and conference show. Hosted at the NEC, Birmingham, during September, it brought together over 2,500 flood professionals for two days of unprecedented showcases, networking and 100 seminars led by some of the most lauded and expert minds in the industry.

Here, Alorair UK displayed their many air quality control solutions. Based in the centre of the UK but with a strong distributorship network that stretches around Europe Alorair UK have a wide range of state of the art products for sale

for both domestic and commercial sectors. Their wide range of products covers everything from professional dehumidifiers for the house, cellar and basement, to air movers and air scrubbers.

Their soon to arrive household dehumidifier, the IW-25-2 built-in unit is perfect for use in smaller spaces and the workplace, controlling the fluctuating levels of humidity in order to keep the environment as comfortable as possible. Better yet, the unit is exceptionally quiet and can be left running in the background with no distractions. It can be seen in use across offices, garages, and small flats which are at a higher risk of condensation.

Another top-selling dehumidifier includes the Large 85L Storm Extreme Dehumidifier,



one of Alorair's newest products. This extremely efficient and well-designed

product is ideal for use in commercial environments, especially after floods. It can be used to keep warehouses and basements dry, and thanks to its smaller lower housing it can also be used to access harder to reach places. All of the Storm Dehumidifier range have an extremely durable exterior made from LLDPE rotary moulded plastic, allowing for zero shock, static and collision resistance. Other alternatives to this include the Sentinel HD55 and HDi90 units which are ductable for focused drying and can be controlled remotely - perfect for those crawl spaces, cellars, attics or basements.

Contact
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Fire Safety News

Swiftclean calls for safety over style in ceiling design



Swiftclean Building Services, expert provider of fire damper testing and maintenance, and ventilation cleaning in compliance with BESA TR/19, has called for greater concern for safety over aesthetics when it comes to ceiling design in commercial and public buildings and multiple residence properties. "We are well aware that access hatches are not the most attractive items," says Swiftclean Managing Director, Gary Nicholls. "However, they are absolutely vital for safety."

The company, which has won multiple awards for its expert air and water hygiene services, says that its technicians frequently encounter situations in which cosmetic features such as plasterboard ceilings have been added to improve aesthetics, but which inevitably hinder essential ongoing cleaning and maintenance. Compliance with TR/19, the leading guidance document on ventilation hygiene, issued by BESA, ensures legal compliance requirements are met in a wide range of public and domestic buildings across the UK.

Despite this long term legal responsibility, in too many cases, says Swiftclean, additional bulkheads and false ceilings or other services are erected across installed ductwork, making it impossible for some buildings to comply with the law. There is already a potential tension between the ductwork construction standard, DW144 and the ventilation cleanliness

guidelines TR/19 in that, in practice, ongoing compliance with TR/19 requires access at more frequent intervals than is stipulated in DW144.

In these cases, safety is definitely compromised, warns Swiftclean. "Not only does compliance become difficult,

but buildings insurance policies may be compromised and the responsible person for the building may be liable to prosecution for non-compliance," warns

Nicholls. "It seems to us imperative that safety should take precedence over aesthetics in many more situations."



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Passive Fire Protection Solutions

Operating within the critical sector for specialist passive fire protection, Checkmate Fire Solutions Ltd. has established a leading reputation for delivering cost-effective fire compliance services to a broad base of clients.

Having begun operations in 1989 as Checkmate Passive Fire Protection, Checkmate Fire Solutions Ltd today works to further expand its established customer base, while continuing to support its existing clients. The company has earned a leading position as a wholly owned business that works specifically with passive fire solutions, with a large part of its turnover consisting of repeat business from prestigious organisations and blue-chip

companies. These include AVIVA, Great Ormond Street Hospital among NHS trusts across the UK and most leading construction firms.

With offices located in both West Yorkshire and Essex within the UK with more to follow in the coming years and additional agencies within Dubai and Bahrain, Checkmate Fire Solutions is well placed to deliver a comprehensive portfolio of passive fire solutions.

Checkmate's wide expanse of services comprised of passive fire installation and survey services across the whole range of solutions and now also includes the supply and installation of Alufire glazing, a BRE certified product that's fire and smoke resistant

with some attractive additional benefits. As the Sole distributor and installer for Alufire throughout the UK and Ireland Checkmate is poised to offer this unrivalled product nationwide.

Checkmate Fire Solutions is well placed to deliver a comprehensive portfolio of passive fire solutions. Add to that a comprehensive restructuring with David Pringle appointed to manage the Marketing Department, new state-of-the-art CRM software and a growing team of specialists throughout the UK and you can see why Checkmate Fire are the number one choice for building fire protection. Checkmate Fire Solutions also holds several industry standards, which allow it to demonstrate a full



understanding of the issues surrounding passive fire protection and the levels of regulation that relate to the field.

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Firetec: Leading the way in Fire Safety and expertise



With over a decades' worth of experience, Firetec UK have positioned themselves as one of the nation's leading fire and security specialists. Based in Brentwood, the expert company offer a wealth of fire related services, including maintenance, repairs, design and installation across a wide variety of Fire & Security systems for both the domestic and commercial sectors.

Firetec can work with clients all the way from conception to design, installation, commissioning and after sales support too, providing a thorough and comprehensive service to ensure clients get the perfect fire safety system for their needs. The company's broad range of skills covers everything from automatic sprinkler systems to fire alarm and detection, fire extinguishers, dry and wet risers, fire hydrants, gas and kitchen fire suppression, plus CCTV and access control.

This year, Firetec purchased a brand new van with dry riser testing equipment, enabling the team to carry out their own in-house dry riser testing to add to our existing sprinklers, fire extinguishers, fire alarms & access control systems in-house capabilities. Dry risers are a vital piece of piping equipment for firefighters, as they allow water to be pumped from fire hydrants through the dry riser pipe to the outlet valves within a building, allowing firefighters to access water no matter where in the building they are. Firetec can conduct their own thorough testing of these dry riser pipes, ensuring they are still operational and safe to use.

All works carried out by Firetec are strictly designed & installed to British Standards, with the company having LPS1048 accreditation for sprinkler installation and maintenance as well as ISO 9001:2015 for their Quality Management System, Safe Contractor & Constructionline accreditation for their Health & Safety system.

If you are interested in finding out how Firetec UK's services can benefit you, why not get in contact with one of the team today using the number below. Alternatively, you can find out much more information by heading over to the website.

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Large-diameter pipe lining leads way to wildlife revival

Drainage specialist Lanes Group plc has used fold-and-install large-diameter lining technology to rehabilitate a pipe that will play a crucial role in creating Europe's largest man-made nature reserve.

It has deployed a pillow packer to install a series of point repairs inside a 1,220mm diameter inlet pipe supplying water to an area of land being turned into the Wallasea Island Wild Coast.

The Royal Society for the Protection of Birds, which manages the site on the Thames Estuary in Essex, has a 20-year project to turn farmland into a wildlife-rich saltmarsh twice the size of the City of London.

Rehabilitating the pipe was an important step to allow

tidal water from the River Roach to flow into a lagoon, one of a number being created to transform 670 hectares of farmland.

Main contractor Bam Nuttall commissioned Lanes Group's East London depot to line the pipe, using a novel approach that ensured the project could be completed with minimal disruption to wildlife and least cost.

The Lanes team used a pillow packer to install five point repairs, also known as patch liners, to rectify defects and strengthen the pipe so it can withstand high water flow rates, especially during high tides.

The pillow packer was lighter and easier to handle than a conventional liner packer. It could be folded to a width of

450mm and installed without an entry manhole having to be dismantled and rebuilt.

Once inside, along with each liner, the specialist packer was inflated using compressed air, pushing the resin-impregnated glass reinforced plastic (GRP) liner against the pipe. The liner



could then be left to cure in ambient temperature before the packer was removed.

The Lanes East London depot has invested in two pillow packers, each capable of being used to line circular, egg-shaped or ovoid pipes with diameters of 600mm to 1,300mm. The packers are available for deployment across the UK.

Lanes East London Regional Manager Mark Scott oversaw the installation carried out by the depot's in-house lining team.

Contact
T 0800 526 488
www.lanesfordrains.co.uk

Leading Services in the Water Industry



H.D. Services Ltd was first established in 1984 by the current Company Director, Frank Harris. Based in Ashley Green, Bucks, the company pride themselves in saying that they are a family run business that operates throughout the South-East, offering solutions for sewage, water, soakaway and renewable heat. The company specialise in the design, supply, installation and maintenance of sewage treatment systems – which can be bespoke designed – the construction and development of boreholes and soakaways as well as the installation and maintenance of open loop ground source heat pump systems.

Customer service is at the forefront of the company which is why they provide on-hand advice and support on dealing with the Environment Agency, applying for the Renewable Heat Incentive and information on all services available. Consequently, the company have received great recognition at the National Energy Efficiency and Renewable Awards and achieved RHI Installer of the year for the South East and East of England regions in 2015 and 2016. They have gone on to be awarded High Commendations in RHI Installer and Small Scale Project of the Year categories in 2017 at the Energy Efficiency and Health Homes Awards.

One of the products H.D. Services Ltd manufacture and supply is the Open-Loop heat pump installations, to which we asked Rebecca what the benefits of an open-loop heat pump were, her response was, "We strongly believe that the Open-Loop ground source heat pump systems we design and install are not only the most efficient way to heat your home in the South-East but that our cable-tool percussion drilled boreholes, from which the heat source is abstracted, are also kinder to the aquifers than the rotary drilled boreholes associated with closed-loop systems."

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The UK's leading Rainwater Harvesting Specialists

With changing weather patterns and urban growth stress is being placed on UK water supplies. Alternative sources of water collection should be considered. Non-potable applications including toilet flushing, washing machines and outdoor use can account for 50% of mains water in a domestic home and up to 90% in some commercial settings.

One alternative is rainwater harvesting. This is a simple process where water off the roof is collected via standard guttering and down pipes, filtered and stored in an underground tank. With no light or temperature variance the water remains of good quality. Water is collected and used at source as a decentralised water management system. Pumping water from miles away to simply flush down the toilet does not make sense and there is no requirement to flush with drinking quality water. The harvesting tank volume is calculated on there being rain replenishment within a twenty one day period. However it is important to specify mains back up system during severe drought conditions.

Rainwater Harvesting Ltd design and manufacture systems within the UK for UK properties. There are two main types of systems-direct and gravity fed. In a direct feed system the pump runs every time a toilet is flushed. If rainwater becomes critically low a float switch activates to introduce a small amount of mains water into the underground tank and water continues to be drawn from there.

In a gravity system such as the Rain Director the water from the harvesting tank is pumped up into a header tank located in the roof space and appliances are serviced from there. The latter method only requires the pump to be operated when the header tank needs replenishing. This can make running costs as low as 1p/person/day. Should a critical low level be reached mains water is introduced into the header tank. The Rain Director also incorporates a number of smart features to ensure the water in the header tank is refreshed every 72 hours if it has not been used or the system can be switched to mains only during a power failure. Both systems change to and from mains supply automatically and are designed to be low maintenance. Systems are designed to prevent any cross contamination and many are now WRAS approved so accepted by all authorities.

The advantage of rainwater is that it is a relatively simple process and also has a further benefit regarding Sustainable Urban Drainage (SuDS). During heavy rainstorms water is collected within the tank first preventing localised flooding. New emerging systems including RainActiv allow a percentage of water to be used for non-potable applications but has a SuDS element. Water is released back into the storm drain or soakaway at a controlled and calculated rate so reducing the risk of downstream flooding. In periods of heavy rain the system chokes off the release of water until the water table has receded.

Planning applications increasingly require consideration of a SuDS plan and rainwater harvesting with its benefits to support increasing supply and flood concerns is a sustainable solution.



Please visit us at: www.rainwaterharvesting.co.uk

RainWater Harvesting Ltd, Unit A Harrier Park, Orton Southgate, Peterborough PE2 6YQ

Hauraton surface water drainage system installed at new automotive showrooms and servicing centre

Developed by CJ Automotive Group, the £9.5 million Lightcliffe automotive dealership showroom complex and servicing centre is the first in Wales to have all the Volkswagen Group car and commercial vehicle brands; Volkswagen, Audi, Skoda and Seat on one site.

Nearly 700 metres of Hauraton RECYFIX® PLUS 100 Type 010 surface water drainage channels, factory fitted with ductile iron HEELSAFE 6mm slot grating to loading Class D400 were installed at the new VW Group dealership at The Point, Llandudno Junction, Wales.



Each RECYFIX® PLUS channel component is moulded from 100% recycled polypropylene (PP) with galvanised steel pressings permanently fitted along the exposed top edges. Channels supplied to the VW site were factory fitted with 6mm slot HEELSAFE ductile iron gratings. The gratings on both channels' and access points' being treated with a corrosion resistant coating (KTL). This treatment is absorbed by the ductile iron, allowing Hauraton to give a lifetime guarantee against rusting alleviating any concerns raised by consulting engineers, Rolton Group.

Main contractor, the Watkin Jones Group commenced work on this project in 2013, handing over the finished prestigious complex in May 2014. The new showrooms aim to provide 200 new job opportunities to the Llandudno area.

Ian Burton, the Hauraton Project Engineer was pleased that ground-workers found the RECYFIX® PLUS easy to install, "With each one metre channel assembly only weighing 10.9kg one man could lift and position each unit during the installation phase."

For more details and project support, please email: technical@hauraton.co.uk or phone: +44 (0)1582 501380.



SPORTFIX® components installed at redeveloped UCC Mardyke Athletics Track, Cork City and Republic of Ireland

Excessive rain water has to be removed quickly and reliably from sports fields and competition areas. The SPORTFIX® drainage channels and other components offered by Hauraton comply with the latest standards and also meet IAAF requirements. It is essential sports facilities are designed and equipped to prevent serious injury to sports people if falls or accidents occur.

The University College Cork (UCC) has redeveloped their Mardyke Athletics Track in Cork City, Republic of Ireland. The new facility is part of a €10 million budget included a new synthetic eight lane, fully floodlit, running track built to the IAAF standard with an additional 3,720m² (40,000ft²) added to the original arena. The arena now includes an indoor 60 metre running



track, a performance analysis suite, two additional gym areas with over 140 additional pieces of the latest gym equipment and three additional fitness studios.

Hauraton SPORTFIX® drainage channels with aluminium finishing edges were installed around the perimeter of the IAAF, 400 metre track and along its straight. A steeple chase water jump kit was also installed plus Hauraton SPORTFIX® Sand traps and soft edging were installed around the long jump pit.

Tim Connolly, Managing Director of Hauraton Limited points out, "Our SPORTFIX® range offers products that not only meet the

requirements of the IAAF for athletic tracks, there are drainage components for artificial turf playing fields, service channels and retractable shafts for cable management with drainage systems for grassed football fields."

Specification information for the SPORTFIX® range, showing sizing and installation details are available digitally on: www.hauraton.co.uk under the SPORT tabs.

SPORT – SPORTFIX® Digital catalogue available on request via: sales@hauraton.co.uk. For case studies, go to: www.drainage-projects.co.uk



National Awards for highest-performing construction companies and suppliers coming soon!



2017 National Company and Supplier Award winners

Excitement is mounting as the highest performing Considerate Constructors Scheme registered construction companies and suppliers get ready for the 2018 National Company and Supplier Awards.

2018 award-winning company and supplier at our National Company and Supplier Awards in November."

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www.ccscheme.org.uk

All the latest on the awards are available via Twitter @CCScheme #ccsawards #loveconstruction

The Awards will take place on 15-16 November at the Royal Institute of British Architects (RIBA) prestigious landmark headquarters in central London.

Every company and supplier registered with the Scheme had their performance against the Scheme's Code of Considerate Practice assessed between 1 August 2017 and 31 July 2018. Only the very highest performing have now been selected to be eligible to win this year's prestigious awards.

Industry leaders, Brian Berry (Chief Executive at the Federation of Master Builders) and Shaun McCarthy OBE (Chair of the Supply Chain Sustainability School) will be announcing whether each winning company or supplier has received a Bronze, Silver or Gold Award for their achievements. Runners-up and the winners of the highly acclaimed 'Most Considerate Company' and 'Most Considerate Supplier' Awards will also be announced at the ceremonies.

Considerate Constructors Scheme Chief Executive Edward Hardy comments, "Scheme-registered companies and suppliers play a crucial role in promoting a positive image of our industry, with the standards of best practice and general consideration shown within these organisations increasing significantly year on year.

"The commitment and a sustained effort to continuously improve by top performing companies and suppliers are truly incredible.

"On behalf of the Scheme, I would like to offer my congratulations to every registered company and supplier winning an award, as competition gets tougher each year with more organisations registering and performing to ever higher standards.

"We look forward to recognising and celebrating the success of every

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Wonderwall: Modern planters for indoor or outdoor use

Wonderwall are one of the UK's leading producers of unique decorative garden products, comprised of a skilled team of passionate designers. They are most renowned for their planters, for use indoors and outdoors, and which can be used to create an array of stunning designs. Each planter is easy to use and resilient to all weather types in light of the planters' durable and weather proof material. Wonderwall's ground-breaking design has allowed gardeners to bring life back into a drab urban space, transforming the bleak into the beautiful.



also unrivalled in their design, providing a self-watering function that enables gardeners to

maintain large displays with little upkeep. This allows them to focus their attention on the look of the wall, bringing their imaginations to life and creating their own masterpieces.

The company have truly revolutionised the simplicity of producing a fantastic, potted wall that brings the wonder of nature into any modern space. So if you would like to get your hands on one of Wonderwall's vertical planters, take a trip to your nearest garden centre. For any further enquiries, or if you would like to get in contact with Wonderwall, feel free to telephone them on the number below.



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The all-in-one Compact Loader



Established in 1999, AVANT Tecno UK Ltd has been importing and supplying high-quality, innovative, compact loaders from its UK base of operations in Bridgham, Norfolk and via its nationwide dealer network across the country.

AVANT Series Loaders are the UK's most versatile loaders and are offered in a multitude of power, lift height, speed and load capacities, with greater customisation via a selection of attachments ensuring whatever the need there's an AVANT Loader solution.

We spoke to Raimo Ala-Korpi, Managing Director of AVANT UK.

"AVANT is the world's most versatile compact loader that's used in various end uses and industries, from building sites to landscaping and from farming to forestry. Due to its intuitive design they're truly multi-functional, creating a smarter way of working. They truly are a jack-of-all-trades."

AVANT are leading the way with their new edition. The new E-Series loaders are the first full electric loaders having all the benefits of previous loaders including the wide array of attachments, but cleaner, quieter and representing a much more environmentally friendly option.

"Fully electric AVANT loaders are the pioneers in the electric-wave in this industry, answering the need when emission free, low noise and versatile compact loader solutions are needed."

AVANT aren't shy in showing off their innovative loaders either, as you'll find them at all major trade shows across the UK. Their most recent shows at, Scotplant, Naidex, Saltex and BBC Countryfile were all huge success, and offer clients the chance to go hands-on with the loaders and talk to AVANT experts who can guide you through the process of choosing the right loader with the best finance deal available.

AVANT have no plans to sit still in 2018 and beyond.

"We're growing rapidly in the UK and our company has a clear vision on the future steps in the market. We'll constantly improve the processes to support the clients and our dealer network and we've recently added more staff to support our continued growth in the UK market."



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It is with great pleasure that Building and Construction Review UK have decided to award AVANT Tecno UK with our highly coveted **Landscape Company of the Year Award**. AVANT have been specially selected in light of their continuous and ongoing innovation within property maintenance, and their dedication to manufacturing the world's best compact loaders.

Avant specialises in product development and unique designs, with their all in one compact loaders being among the most popular in the industry. Designed and manufactured in Finland, Avant has to date produced over 50,000 loaders which can be seen all around the world, from the UK to Russia to Australia.

The past year has been exceptionally good for Avant, with a surge in sales and profits, allowing the company to invest in and further develop their wide array of products and invest more in production. For this issue, we spoke to the Managing Director of AVANT UK, Raimo Ala-Korpi, who explained, "2018 has been a great year for the company and we have been able to invest in key areas of the company, such as new staff, spare parts and technical after sales support."



We have a nationwide dealer network that sells, services and supports both end clients and machinery locally."

Avant loaders are exceptionally well made, and they are all developed using customer feedback, ensuring each new loader series is more functional, cost-effective, environmentally friendly and effective than the last. Not only that, but they are all manufactured in their highly sophisticated and state of the art automated production plant in Ylöjärvi, Finland, where quality control processes are implemented throughout the entire production line, and each loader is carefully tested.

Most recently, Avant showcased their brand new E Series, a highly innovative and fully electric loader which boasts zero emissions and an extremely low noise output. Thanks to this, it is perfect for use indoors as well as outdoors, and



where ventilation is limited. The E6 also has significantly lower operating costs than traditional loaders, whilst also featuring a quick attachment system and a multi connector, enabling users to hook up attachment hydraulics with ease. There are two E versions available, the E5 which runs on a lead acid battery unit and the E6 which uses a lithium ion battery. Both are compact and use the Optidrive™ drive circuit, guaranteeing an improved loader performance by as much as 10%.

Raimo added, "The E6 series was showcased at a number of tradeshows across the UK and we received tremendous attention and praise for its smart development. It will be launched across the market this November and we expect it to



have a real impact on users, especially in regards to it being so low on noise and fumes."

Going ahead, Avant will have to navigate the murky waters of Brexit like many other companies across the continent. However thanks to their long standing reputation of being amongst the world's best compact loader manufacturers, there is every reason to believe they will fare with ease across the UK. Next year, the UK team will be toasting to a happy 20th Anniversary and welcoming on another successful two decades. They have an exciting new strategy to strengthen their position within



landscaping and construction over the next 5 years, with plans already underway.

On being named our Landscaping Company of the Year, Raimo enthused, "We are absolutely thrilled to be awarded by this publication. We work tirelessly to produce the very best loaders and machinery possible, so it is wonderfully gratifying to be recognised and celebrated."

If you are interested in purchasing one of Avant's loaders or related parts, why not get in contact with one of the team today using the number below. Alternatively, you can find out much more information by heading over to the website.

Contact
T 0800 015 8482
www.avant.co.uk



Avant was established over 25 years ago and in 2019, Avant UK will be celebrating its 20th Anniversary in the UK. Raimo explained, "Since setting up in Norfolk, we have enjoyed the East Anglia as our base of operation. Initially we started exporting loaders to the UK and this was long over 20 years ago. However we soon realised that the UK will be an important market, and hence we made the decision to open AVANT UK in April 1999.



GlasSpace: UK leaders in the structural glass market

GlasSpace have made a name for themselves as the cutting edge of the structural glass market. They are also the top choice of many leading architects. GlasSpace specialise in offering a range of structural glazing solutions that create a contemporary living environment for both residential and commercial projects. GlasSpace offer a wide range of leading bespoke glass products including frameless installations and their initial sliding doors. Their pure glass structures enable a blend of timeless ease with the built environment.

GlasSpace uses commercial glass technology that has been developed over the last 25 years. Commercial glass technology allows GlasSpace to create a new, contemporary environment which meets the demands



and expectations of a modern home. Constructed from toughened glass units which are strong enough to walk on, a GlasSpace is completely safe and easy to maintain.

By using the latest specifications of low e thermal coating and argon-filled panels, your GlasSpace is guaranteed to exceed the new heat efficiency regulations, remaining comfortably warm in the harshest of conditions.

Additionally, GlasSpace offer a wide range of additional options such as solar control glass. Whether GlasSpace manages the whole project or is part of a larger team lead by your own architect.

If you have ambitious plans or just a simple glass roof, GlasSpace offer unique, practical design at an extremely competitive price. Using commercial glass technology that has been developed over the last 25 years, GlasSpace creates an environment which meets all the demands of a modern home.

If you would like more information on GlasSpace, visit their website or alternatively telephone them on the contact details listed below.

Contact
T +44 (0)845 2309 569
info@glasspace.com
www.glasspace.com

The UK's leading distributor of electronically operated sliding windows



Autoslide Ltd is the UK's leading distributor of electrically operated sliding windows and are proud to have supplied reception screens to many office projects over recent years, providing solutions to the ever-changing modern working environment.

Autoslide's bespoke screens are made from aluminium or steel frames and made with an aesthetic, slim design. Autoslide screens offer not only sound absorption, protection and privacy, but the versatility of electric operation, meaning that with the touch of a button, the screen can be opened and closed, fully or partially, to meet the demands of a busy reception.

Autoslide screens are suitable for both indoor and covered outdoor installations. The sliding screens have different profile depths which can accommodate a variety of glass thickness to suit the needs of the application. From 6mm safety glass to multi-layered attack resistant glass or 24mm double glazed units. Staff are now in control of their working environment, closing off an administration office from a noisy or draughty corridor, or quickly closing to provide a protective barrier when threatened in a public reception. The operators have the option to open the screen to a level they are comfortable with, also eliminating the need to lean over a busy desk to manually slide a screen open or closed.

Autoslide screens can also be supplied with fire resistant glass. Their fire resistant screens use powder coated steel frames, glazed with 30 or 60 minute fire resistant glass. Screens can be supplied with an electronic control unit which can be linked to the building alarm system, which when triggered will close the screen automatically.

If you would like to get in contact with Autoslide, telephone them on the number listed below. Alternatively, if you would like more information on any of their products, why not visit their website below.

T +44 (0)1635 239647
www.autoslide.co.uk



STANDARD AND BESPOKE ARCHITECTURAL ROOFLIGHTS AND ROOF GLAZING

Rooflight Architectural are Specialist Designers and Manufacturers of both standard and bespoke Rooflights to the Construction Industry.

As such we can design, fabricate and install to virtually any size or specification, specialising in providing aesthetic solutions to unusual and difficult design requests.

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Head Office: 0191 273 7738 | London: 0193 223 0345 | Midlands: 0115 939 7554
Email us: sales@rooflight.co.uk or visit www.rooflight.co.uk

Denso Protal Protection for Pipeline Bends

G & J Engineering are nearing completion of a high pressure pipeline diversion project for Wales & West Utilities in Newton Abbot, Devon. The pipeline bends are being installed for a housing development in Hele Park and are protected with Winn & Coales Denso Protal 7300.

The development is based on an 800mtr diversion of a 500mm high pressure pipeline. The job involves two 5-way stopples with multiple drillings under pressure and line stopping.

Denso Protal 7000 is a fast curing two-pack epoxy

coating for protection of buried pipelines. It is applied by brush or trowel. It can be applied up to 1mm in one coat without slumping.

T +44 (0)20 8670 7511
mail@denso.net
www.denso.net



Pipeline bends protected with Denso Protal in Hele Park, Devon

TILCOR ROOFING SYSTEMS

New to the UK, but TILCOR ROOFING SYSTEMS are currently the fastest growing stone coated pressed metal tile company in the world. TILCOR ROOFING SYSTEMS are manufactured by the Ross Roof Group who has been involved in roofing



Before



After with new Tilcor Shake

production over 4 generations since 1942. Installed in many countries, the TILCOR range offers exceptional strength and durability in the harshest of climates. Watertight, fire and earthquake resistant, our pressed steel roofing tiles can withstand hurricane-force winds, torrential rain and hailstones.

Thanks to the use of the modular TILCOR Shake roofing sheet, which is characterised by lightness and flexibility, the below architectural forms could have been made impressively. Another argument for choosing the TILCOR roofing sheet is the durability of a 50-year pro-rata warranty & a 40 year BBA. Means that unlike with alternative solutions you get a versatile roof made to last the test of time. The pure steel manufactured of the Iron Ore from the New Zealand beaches to the ZINCALUME® coating. Aluminium-zinc coating is about 2.5 times better in resistance compared to ordinary zinc alloy, so commonly used in Europe. ZINCALUME® is a guarantee of quality NEW ZEALAND STEEL LTD.

It's a common miss conception in the UK that these products are not versatile, as you can see from the photos they are more than versatile and can be installed on any roof type. In Europe the Buffalo eye dormer window type is very common, using our approved installers a perfect finish is achieved. Of course the product is lightweight so perfect for all construction types especially timber or prefabricated.

Driving our UK entity will be Darren Durrant-Rance the UK Sales Manager and Marek Skoczylas the European Sales Manager between them there is over 20 years' experience in the roofing industry.

TILCOR ROOFING SYSTEMS are suited to almost every building type, they are nearly 10 times faster to install than traditional tiling methods they are lightweight only 6.3 or 6.4kgs a m² (depending on the profile) meaning less strain on your roof. The natural raw materials mean the product will last as long as traditional tiles also but with the added bonus of minimal colour fading.

TILCOR ROOFING SYSTEMS are virtually maintenance free, this make them ideal for Councils & Housing Associations which will minimise countless repairs following bad weather conditions.

TILCOR ROOFING SYSTEMS are ideal for Schools, Modular housing, transforming a flat roof to a pitched roof, MOD buildings, non-traditional housing stock, vertical cladding, traditional housing stock and other roofing installations.

We pride ourselves on getting repeat business essentially due to:

- ▲ Our product quality
- ▲ Customer service
- ▲ BBA & LABC
- ▲ Installation inspections
- ▲ Full CAD & BIM
- ▲ Complete & timely specifications
- ▲ UK coverage of roofing contractors
- ▲ UK distribution network
- ▲ Quick lead times for product
- ▲ Class A fire rated.

The demand for the UK market is perfectly suited to Tilcor Roofing Systems, over the past few years the UK market has suffered delays waiting on more traditional products, these delays are time consuming and costly something Tilcor Roofing Systems are not affected by. With the UK market growing and looking continuously at different designs to make them more efficient and environmentally friendly, that also with the huge push on modular housing, Tilcor have a tile solution to suit customer and planning requirements. The fact these tiles can be installed so much faster than more traditional methods make them ideal for every project. They reduce time on site for the roofers meaning the roof is watertight quicker, this allows the other trades to work quicker. All this make Tilcor a perfect roof solution for the UK market.

Contact
 T 0064 92999498
info@tilcor.com
www.tilcor.com/en



LEGENDARY PURE QUALITY

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Tilcor roofing tiles are produced from the purest iron ore steel extracted from the west coast of New Zealand using stone obtained from volcanic rocks formed many millions of years ago on the New Zealand islands.



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 Foresters Hall 25-27 Weslow Street
 London SE19 3RY
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 E-mail: info.uk@tilcor.com



sponsors this issue of BCR UK: see them on page 11

Junckers twin herringbone

Floorstock are delighted to now offer the brand new Junckers twin herringbone range of solid parquet flooring.

Not only does this combine the superb quality associated with the Junckers solid two strip and wide plank flooring, it also means that an entirely new range of design options are available, meeting today's growing demand for more traditional herringbone flooring.

Junckers twin herringbone is available in two thicknesses (14mm and 22mm) and the standard size is 129mm x 516mm, allowing for a 'long stave' effect which is extremely popular and shows off the product to maximum effect.

One of the most exciting selling points on this new range is that it can be installed over under-floor heating (subject to

correct installation!) – this has always been an area where solid timber has been avoided, in favour of engineered products. Junckers supply a range of sub floor preparation products and adhesives, and can also advise on installation if required.

Other features of Junckers twin herringbone are the fact that it comes either prefinished or unfinished, giving the client and installer the option, dependant on timescale or the type of finish required. The quality of the Danish manufacture means that floors fit together beautifully and carry the same performance guarantees as Junckers 2 strip and plank floors.

Junckers twin herringbone is also available in different timber species and colours, including Oak, Beech, SylvaKet (a fumed beech with a very warm, smoked appearance) and the ever-

popular Black Oak, which gives an extremely elegant and luxurious feel to any property.

The final bonus of the new twin herringbone is competitive pricing and the Junckers warranty, giving peace of mind and affordability, together with a highly desirable product.

As Junckers largest supplier of flooring and accessories, Floorstock have been supplying Junckers products nationally for over 10 years, and work closely with Junckers own Approved Contractor network.

Floorstock also offer the complete range of Junckers lacquers and Oils, Flooring accessories including clips, underlays, battens and cradles, together with the full range of Junckers floors, including Sports floors.



If you are interested in hearing more about Junckers twin herringbone, Floorstock now have samples available, which can be sent out anywhere in the UK. Brochures are also available upon request.

Please feel free to contact a member of our sales team on: +44 (0)1455 234400 or sales@floorstock.co.uk for further information and prices.

Want a safer, more comfortable way to use a Jack Hammer?

Concrete is tough and having the job of breaking it up, is a physically demanding job!

With some Jack Hammers weighing in at 16kg, they are heavy pieces of kit especially if you're operating one for hours at a time, then your body will take a hammering... pardon the pun.



One of the hazards associated with jack hammering are hand and body vibrations which can cause a whole raft of physical issues ranging from nerve damage to lower back disorders.

There are many ways to minimise the potential impact of these hazards and topping the list is:
1) Have the right Equipment!

One company who can certainly help with this is Makinex Construction Products who are committed to helping you do your work safely and efficiently.

One of their products is the Makinex Jack Hammer Trolley which is an awesome machine! The Jack Hammer Trolley carries most of the weight of the jackhammer while the user positions themselves behind the trolley and pushes it along.

It can be adjusted to 6 different positions ranging from 30 – 80 degrees to suit most demolition jobs and has built in anti-vibration systems to protect the user from the dangers of hand and body vibrations mentioned earlier.

The JHT is available with 2 different attachments to ensure you're using the right tool for the surface been removed. These are the called the Tile Smasher and Flippable Wide Chisel.

The Makinex Jack Hammer Trolley was first created back in 2004 and since then has helped thousands of Jack Hammer Operators reduce their operating hazards all around the world.

Users report on been able to do their jobs up to six times faster due to the decrease in operator fatigue provided by the Jack Hammer Trolley.

Mark Granger of Buildcore Constructions had this to say from his experience with the Jack Hammer Trolley, "The boys are happy with the setup. The bed is really stuck so will do another pass to remove all the bed. They have done 5 wet rooms and about 130m² of main floor and could operate all day long."

Some other tips to help minimise the physical impact when jack hammering include:

- 1) Ensure you have adequate PPE (Personal Protective Equipment). Non-negotiable items include gloves, boots, safety glasses, ear protection and long pants
- 2) Take regular breaks
- 3) Suppress potentially harmful Silica Dust with a portable constant pressure water unit such as the makinex Hose 2 Go.

By following these simple guidelines, you will be able to complete your demolition work safely and more efficiently.

To learn more about the Makinex Jack Hammer Trolley or Makinex Hose 2 Go, please visit our website: www.makinex.co.uk or contact Russell Boswell-Munday on: +44 (0)121 280 3012.

MAKINEX FLOORING PRODUCTS

Products that save you time and money



Jack Hammer Trolley

Innovative design for clever contractors



makinex.co.uk

A hat trick that our clients will tell you is well deserved

TC Security Services, part of TC Facilities Management (TCFM), have not only been placed in the top 2% of all SIA listed companies within the Approved Contractor Scheme in the UK, they have also passed the ISO 9001 and 14001 management systems audits which come in to force next month.

The 4-day visit by both auditors involved full scrutiny of the TC Security Services operation and for the ACS audit included visiting both the Head Quarters and satellite offices along with a mix of varied customers.

The maximum overall score on the ACS audit that can be achieved is currently 175 points. TC Security Services' score of 164 places them not only in the top 2% of all SIA listed companies within the Approved Contractor Scheme, it also showed an



increase in the score awarded by the auditors in 2017. All this shows TC Security Services as one of the very best security companies in the entire country.

Coupled with this was passing

the ISO 9001:2015 and 14001:2015 management systems audits. This was the fourth time these new quality standards, coming in to effect on September 14th, 2018 have been audited and passed each time.

Both achievements mean that potential and existing customers have the confidence that not only has our service been independently assessed against recognised standards and procedures, it also offers added peace of mind that all the security personnel have been correctly trained for the role they are performing and our quality and management systems meet these ISO standards.

T +44 (0)1737 814016
info@tcfm.co.uk
www.tcfm.co.uk

Bringing an extra sparkle to Poundland stores across the country

TC Facilities Management (TCFM) have secured the contract to deliver window and external signage cleaning to Poundland across the country.

The contract being delivered by a team from TC Specialist Services, part of TC Facilities Management (TCFM), started last month. It provides window cleaning services to every Poundland store, 4 DCs and their admin offices in the UK along with each Dealz store in the Republic of Ireland.

The team from TC Specialist Services are ensuring that the standards of appearance to the windows



and external signage of each site will help to create a welcoming, fresh and engaging environment for Poundland's customers and suppliers.

The contract utilises innovative software which will help to deliver

robust scheduling, monitoring and management reporting to Poundland.

In addition to this contract win, TC Specialist Services have also secured an extension to the contract to clean the windows at 678 pubs and restaurants from Mitchells and Butlers' portfolio which includes Harvester, Ember Inns, Vintage Inns, Toby Carvery and Miller & Carter to name a few. This takes the total number of sites cleaned by TC Specialist Services to 2,390.

Contact
T +44 (0)1737 814016
www.tcfm.co.uk

TCFM and Remploy scoop prestigious national award

A partnership between TC Facilities Management (TCFM) and Remploy the disability employment specialists, has won the Large Employer of the Year award at the ERSA Employability Awards 2017. The winners were announced at a ceremony attended by the Minister for Disabled People, Health and Work, Penny Mordaunt MP and hosted by BBC journalist Kirsty Lang.

The ERSA Employability Awards are now in their fifth year. The awards showcase and champion best practice from across the employment support sector, celebrating and recognising the hard work and achievements of those involved in supporting people into work.

This year, the awards judges included Heidi Allen MP, a member of the Work and Pensions Committee in the last Parliament; a senior official from the Department for Work and Pensions; a senior researcher at the Resolution



Foundation; and last year's winner of the Adviser of the Year Award, Keith Tottingham.

Contact
T +44 (0)1737 814016
info@tcfm.co.uk
www.tcfm.co.uk

Prestigious CSR Award

TC Facilities Management, who provide a range of FM services to some of the UK's most recognisable companies and Remploy, the disability employment specialist, have won the Partners in CSR (Charitable and Social Enterprise) category at the highly respected Premises and Facilities Management award 2017.

The PFM awards recognise exceptional practice to the facilities management sector. The ceremony in London was hosted by BBC Presenter Jeremy Vine and attended by more than 600 people.

The judges of the PFM awards 2017 said, "TC Facilities Management and Remploy were successful in this entry because we found they



had formed a bond that had developed into a strong partnership. It is one that provides a shining example and shows the very best attributes of the FM sector."

Contact
T +44 (0)1737 814016
sales@tcfm.co.uk
www.tcfm.co.uk

Construction Materials and Furniture from Waste Tyres

Dena Nano was first established by Dr Brian Sulaiman (PhD, BSc, PGD, MAC Mautslmm) over 20 years ago when he had an epiphany about how to use nanotechnology to control the spread of particles within a material. He realised that nanotechnology could be used to break down matter and reform it in new, purposeful ways, a discovery which could lead to infinite applications.

You may think of nanotechnology as more fitting for a science fiction novel, however the truth about nanotechnology is far more practical. Essentially, nanotechnology takes a material, breaks it down into incredibly small particles, and then inserts it into another substance in order



to change its properties. The possibilities of nanotechnology are endless. In fact, as the particles are so small, the chosen material can be even made to go through skin, and as such, have far reaching effects on health, medicine and the human body.

Dena Nano, under the careful guide of Dr Sulaiman, has been researching, experimenting with, and perfecting the use of their patented nanotechnology

in order to influence everything from construction to food, pharmaceuticals, ceramics, cosmetics, housing, electronics, detergents, water treatment and the environment. They provide the specific machinery, licenced technology and even fully approved training for clients to recycle products in the way they need, and have worked with all manner of clients, including BP, Boots, MaxFactor, Heinz and ICI. As the only company in the world to offer such solutions within the complex realm of nanotechnology, Dena Nano have built up a reputation as a master of innovation and advanced technology.

T +44 (0)1226 388805
www.dena.co.uk

Making Nanotechnology a reality



Based in South Yorkshire, Dena Nano have proven themselves as one of the most innovative names in the UK, paving the way for the nanotechnology industry with their outstanding advanced technologies.

Founded by Dr Brian Sulaiman, Dena Nano are able to recycle discarded waste tyres into useful household furniture. Nanotechnology is the process

of breaking down materials into tiny particles, particles so small that they can be inserted into the make-up of another material, effectively changing the original properties. With tyres, the tyres are converted into rubber powder and then turned into wooden products and construction materials. In fact, this specially made wood has a number of advantages over natural wood, including it being far more durable, water proof and chemical proof. Not only that, it is also UV and fire resistant, making this wood far more long lasting, safe and practical.

The principle behind this nanotechnology process can be

applied to all kinds of sectors, and Dena Nano currently license their technology to clients of all kinds, having worked with the pharmaceutical sector, ceramics, cosmetics, food and beverage, and water treatment sectors.

To find out more information, be sure to get in contact using the details below.

T 01226 388805
www.dena.co.uk



TCFM contract at Eden Walk, Kingston



TC Facilities Management (TCFM) is now delivering Cleaning and Security Services at Eden Walk in Kingston, part of the Regional multi-let retail portfolio managed by Broadgate Estates and owned by British Land and USS. This new contract commenced on April 1st and will help enable the 10 million visitors that go to Eden Walk each year to have a safe and enjoyable shopping experience.

The team from TCFM, led by Andy Farley, TCFM Contract Manager, will ensure that the extensive cleaning & security expertise along with the standards

that TCFM are renowned for in other Retail and Office sites are replicated, and with it will enable Eden Walk to provide visitors with an outstanding place to visit.

The contract will utilise smart management systems and state-of-the-art technology to help maintain and improve standards along with delivering robust monitoring and management reporting to Broadgate Estates, all with the aim of delivering unrivalled customer service and value.

Having been able to demonstrate added value within other cleaning & security contracts, the contract was awarded based on TCFM's proven track record spanning almost 55 years, along with their design of a bespoke solution, built on Broadgate Estates' individual needs.

T +44 (0)1737 814016
info@tcfm.co.uk
www.tcfm.co.uk

Bauder achieves prominent Investors in People Platinum accreditation

Bauder has become the first to achieve the Investors in People (IIP) Platinum standard, the most sought after status in the National scheme, within the Construction of Buildings category.

The Platinum accreditation is the highest accolade that can be achieved and is currently held by only 1% of IIP accredited organisations. There are currently just 78 organisations accredited nationally and only 23 of these are located in the South of England (figures at September 2018).

The accolade clearly demonstrates Bauder's commitment to its strong Culture and inherent staff wellbeing, personal development and embedded leadership practices.

Family-owned company Bauder, supply flat roof and green roof systems within the construction industry, with



a workforce of over 160 employees located throughout the UK and Ireland. Bauder had been awarded Gold IIP standard in the two previous assessments and has gained the top accolades since 2012.

IIP was launched in 1991 to raise the performance of UK businesses relative to international competitors. The Investors in People framework defines what it takes to lead, support and manage people well for sustainable results. In September 2015, Investors in

People launched the Sixth Generation Standard, to reflect the latest of workplace trends and robust practices required to create outperforming teams

The Investors in People Framework is a four stage performance model with nine performance indicators which enable measurement and benchmarking across key business areas such as; Leading and inspiring people, living the organisation's values and behaviours, empowering and involving people, managing performance, recognising and rewarding high performance, structuring work, building capability, delivering continuous improvement and creating sustainable success.

T +44 (0)1473 257671
info@bauder.co.uk
www.bauder.co.uk

New distributorship for Cinderella Eco Solution

LeeSan has become the Sole distributor for Cinderella Eco Solution incinerating toilets.

4 different toilets will be available very soon running on Propane Gas or 240V.



Cinderella Motion represents an entirely new concept for waste handling in Off-the-Grid locations, Marine craft, mobile homes and recreational vehicles. It is now possible to get rid of toilet waste in a hygienic and simple manner. The end product is just clean ash. The toilet may be used around 70 times before emptying is required. Cinderella Motion is a further development of the popular Cinderella incineration toilet currently installed by over 60,000 users worldwide.

An incineration toilet is a toilet in which waste products, urine and excrement, are incinerated at a high temperature, leaving only an insignificant amount of ash.

Available around the world for decades, incineration toilets are a commonly used alternative in mountain cabins, remote areas, tiny homes, off-grid structures and other residential and commercial applications without easy access to public utilities. Since incineration toilets do not require the installation of a water supply or costly septic systems, and do not demand ongoing and messy work to process waste, their slightly higher unit price is heavily offset by lower maintenance over time, providing a substantially lower total cost of ownership than other solutions, both in terms of money and headache.

Contact
T +44 (0)1295 770000
www.leesan.com

LedHERO Ltd, wholesale lighting



LedHero Ltd are at the forefront of the LED lighting industry, supplying UK and European electrical wholesalers with innovative, cutting-edge LED products of the highest quality.

LedHero has recently seen a change take place in the market, with many UK suppliers now supplying inferior Edge-Lit LED Panel's with Polystyrene (PS) light guide plates, which often tarnish and discolour with use.

We at LedHero Ltd only supply LED Panels with a Poly Methyl Methacrylate (PMMA) light guide plate – which is resistant to colour degradation and discolouration. We also have a cradle to grave policy on all of our products. As a member of the LIA (Lighting Industry Association), our products have also been tested and approved by the Lighting Industry Association to certify quality and reliability.

Our extensive, high quality range of LED lighting and accessories cater for all applications and every imaginable environment, offering the very best in price, performance and reliability.

For excellent LED lighting solutions, friendly service and a dedicated team of experienced industry professionals, look no further the LedHero Ltd!

T +44 (0)1777 703215
sales@ledhero.co.uk
www.ledhero.co.uk

Introducing Zebedee: The any angle hanging rail

Zebedee is the only, off the shelf, rail designed specifically to provide hanging storage for sloping ceilings. Perfect for the dormer bedroom, loft conversion, walk in wardrobe, under the stairs, in the kitchen or even the garden shed.

Zebedee will mirror virtually any angle. It has a uniquely designed coil which allows clothes or any item to be hung nicely spaced apart and most importantly, prevents them from sliding into a heap!

Stylish, strong and funky, Zebedee comes in assorted sizes which can be combined to cover virtually any length. It is available in its original silver galvanised finish or a range of powder coated modern colours.



Zebedee is the brainchild of Diane Challender who designed it to solve the problem of sloping ceilings in her bedroom. It is produced in her workshop in Laceby, Lincolnshire and available via its website: www.zebedee.co

A Zebedee Hanging Rail is the perfect way to finish your loft conversion or interior design project. Leave open to the room for easy access or use in a walk-in wardrobe, an under stairs alcove, build them in, or try with a beaded curtain! Amazingly simple! Stunningly effective!

Contact Diane Challender, Company Director
M +44 (0)7712 607529
www.zebedee.co



Rustic furniture made to measure for your home using reclaimed wood





Pallet Earth is a new enterprise in the North East reclaiming, recycling and reusing all forms of timber, not least of course pallets. The furniture we produce is therefore eco-friendly and unique – bearing both natural features and the marks of its previous life. With very few exceptions, if it can be made with wood, we can do it – whether you are talking a throne chair for your garden or a bespoke bookcase to fill that awkward-shaped alcove.

Find us on facebook @PalletEarthUK or at www.palletearth.co.uk




Introducing Zebedee
The Any Angle Hanging Rail. Zebedee is the only and original off the shelf hanging rail specifically designed for sloping ceilings. Created and manufactured in Lincolnshire, it has a specially designed coil which allows clothes or any item, to be hung nicely spaced apart, at virtually any angle, however steep! Available in a range of sizes and colours, Zebedee is perfect for the dormer bedroom, loft conversion, under the stairs, in the kitchen or even the garden shed!

Tel: 07712607529 • Email: diane@zebedee.co
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Rapiestar's family of award-winning screws and fasteners include Starpvcu window screws, Starfix direct masonry fixings and Starturn universal wood screws, which also carry CE



Marking with full Declarations of Performance and go beyond UK and European quality and performance standards.

There is a huge advantage in using a credible supplier like Rapiestar. Not only do they supply products with all of the necessary accreditations and proof, Rapiestar is also fully knowledgeable in all of the requirements of new and existing quality and security regulations.

If you have previously bought fasteners and fixings primarily on price, you may need to review your supply arrangements and ensure a reliable supply of correctly tested and approved components or risk having a product that doesn't meet the standard.

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www.rapiestar.com

Introducing the Laundry Ladder



The Laundry Ladder is an aesthetically designed wall hanging clothes airer, offering a handy solution to the problem of indoor drying. Julu Ltd was founded by Lucie Savidge and Julia Adams, building upon Lucie's idea of a wall mounted airer. Using a simple pulley system, the ladder is made up of a front and back ladder frame, with the front frame lowering to open the unit. The ladder can easily open and close, even when loaded with washing, and is ideal in small space, though it suits homes both big and small. With extra brackets located on a wall outside, the Laundry Ladder can be used as an outdoor airer too. This highly functional airer also has a beautiful wooden design, available in white or natural pine.

The customer reviews on their website illustrate how people from different homes and backgrounds can all enjoy the benefits of the airer. Julia Adams, co-founder of Julu, commented on the deep pride they have regarding the reviews, with the pair also receiving many customer photos of the Laundry Ladder in use. She added, "We even have a few wheelchair users that have got in touch to talk about the benefits of having a Laundry Ladder, such as it freeing up floor space."

T +44 (0)3302 232588
www.juluhome.co.uk



The Laundry Ladder Clothes Airer

The Laundry Ladder, drying rack, the alternative wall mounted clothes airer to dry all your washing. It is a beautifully made piece of furniture that does not need to be hidden away in the utility room, this British designed product is made to an exceptionally high standard and will last for many years.

The Laundry Ladder Clothes Airer with its aesthetically pleasing design offers an eco and space saving solution for indoor drying to any property development. With additional brackets located outside it can also be used outdoors on sunny days.

Visit our website for more information regarding this innovative product www.juluhome.co.uk or for Trade Terms, call us on 033 022 32 855 and Quote Build18.



Lower Level Higher Living/Watertight Basement Construction

Glatthaar Fertigkeller founded in 1983 and installing over 5,000 basements a year all over Europe focus on basement design, manufacture and construction, providing a strong, contemporary foundation for today's households. The resulting space provides dry and comfortable lower ground living accommodation which adapts according to the needs and wishes of the client.



Glatthaar create pre-fabricated basements for new build and extension purposes. We build completely watertight cellars and we are renowned in the industry for the speed of our construction. We are the only basement building company in Great Britain that provides a basement system compared to using third party components. As we manufacture our own product, deliver our own product and install our own product we have no need to involve external contractors in our delivery process.

The team work effectively by combining the most technologically advanced off-site manufacturing process with well-organised on-site installation techniques. Glatthaar's computer controlled, automated factories produce a quality product. The Glatthaar Fertigkeller package is full-ranging; it includes all working/installation drawings and structural calculations ready for Building Control approval, on-site installation and each individual project has a Project Manager assigned to it ensuring an efficient and smooth transition from delivery to Hand-Over.

If you would like to learn more about us and our product, please contact us.

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AquaSafe® – the branded solution for a waterproof basement

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For over 38 years, Glatthaar-Fertigkeller has specialised in all aspects of basement construction including design, calculations, off-site manufacturing, on-site installation and many other additional services. Glatthaar is the only company in England that delivers a basement system and not just components for basement construction.

Each of our projects are Fixed Price Projects, we build on average 5,000 basements across Europe each year. Our product allows Glatthaar to deliver the high quality project that is expected from the market leader in basement construction.

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Washroom Accessories

Dudley Industries' Platinum washroom dispenser range promises to enhance any commercial washroom. Made to the highest standard from quality stainless steel the Platinum range is one of the most comprehensive washroom ranges available. Finished with an innovative lacquer that helps to prevent unsightly fingerprint marks it ensures that the dispensers stay looking clean and hygienic whilst being easy to clean.

Stainless steel provides a robust construction suitable for the busiest of washrooms whilst delivering sleek lines to complement the most stylish of decors.

The Platinum range provides all the essentials including

air freshener, toilet roll holders, soap dispensers, paper towel dispensers and waste bins but also includes shower gel dispensers, toilet seat cleaners, roller towel cabinet and hand dryer ensuring there is the perfect mix of hygiene dispensers for all locations.

Designed and made in Lancashire by expert sheet metal engineers Dudley Industries who have been manufacturing quality metal washroom dispensers since 1942.

The Platinum collection is just one of the latest innovations from Dudley Industries. The company have also recently introduced dispensers designed

specifically for the care sector. The Anti-ligature range protects the most vulnerable through its considered design and attention to detail to help prevent ligatures being attached to cause self-harm. The Dementia range uses colour cues to help patients with Dementia. A washroom can be a testing environment for those with Dementia but by installing easy to use, coloured dispensers the hand washing process becomes less challenging, helping to maintain the independence of users for as long as possible.

T +44 (0)1253 738311
sales@dudleyindustries.com
www.dudleyindustries.com



Showering: 'At the push of a button' from Hudson Reed



Hudson Reed, one of the UK's leading bathroom specialists has launched a stunning range of precision engineered 'Push-Button' showers called 'Ignite.'

The new range of intuitive shower valves are the ultimate in bathroom style and technology allowing complete controllability – 'at the push of a button.'

Functions such as start/stop activation, on/off flow controls and, depending on model – single, twin or triple valve, the ability to direct flows from dedicated outlets such as overhead shower, body jets, and the hand-held shower.

Available in both round and square-button chrome options, the showers are a slimline design with all controls hidden behind the almost flush-mounted concealing plate and are built around the innovative in-house, UK manufactured, Valquest shower valve for thermostatic control and safety, performance and durability.

The shower valves work from as low as 1-bar water pressure and concealed installation maximises space for small or compact bathrooms. A wide selection of shower kits and accessories are also available from Hudson Reed to fully coordinate with the new push-button valves.

As featured on the front cover of the new Hudson Reed consumer bathroom brochure, out now, the new push-button showers complement Hudson Reed's comprehensive bathroom collection of ceramics, furniture, baths, enclosures, showers, brassware, heating and mirrors.

For more information about the range or to request a brochure please contact us for further information on telephone: +44 (0)1422 417100 or visit the website: www.hudsonreed.co.uk



Dudley Industries
 WASHROOM ACCESSORIES

Call Us Now:
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Introducing the...
Platinum Washroom Range

Provide your visitors with a hygienic washroom with a touch of class...

At Dudley Industries we manufacturer the highest quality stainless steel washroom accessories for attractive, functional commercial and public washrooms.

Our Platinum product range ensures a touch of class in your washroom whilst providing your visitors with a hygienic solution.

Manufactured from the finest grade stainless steel and styled to complement all washroom décor, the Platinum's robust construction

keeps your consumables clean, dry and free from contamination, helping to enhance the hygiene standards in your premises.

The innovative coating helps prevent unsightly fingerprint marks keeping the dispensers looking at their best, aiding cleaning and helping to keep your washroom looking pristine.

Dudley Industries Ltd. Preston Road, Lytham St. Annes, Lancashire FY8 5AT
 Sales: +44 (0) 1253 738311 • E-mail: sales@dudleyindustries.com
[View the full range available on our website: www.dudleyindustries.com](http://www.dudleyindustries.com)

New range of LED Fire Rated Downlights launched at Elex Coventry

GreenBrook are delighted to present their new range of LED Fire Rated Downlights – The Vela Range – which consists of five different options. The Vela Compact range – this is a super low profile fitting that you are able to place in shallow ceiling voids and place the insulation directly over the fitting. This fitting has been independently thermally tested by the LIA and is a contractor favourite. Next, we have launched the Vela Compact PRO – again a shallow fitting but with a

neatly styled prismatic bezel and offering a quick connect driver with loop-in and loop-out connections. Next in the range is the V7 – a flicker free, highly efficient fitting offering fixed, tilt and anti-glare options. This model too offers a quick connect driver for improved installer satisfaction. Next we offer the sleek, modern Vela Advance – a 9W super stylish fitting that has been used in many blue-chip projects – which again boasts a fixed, tilt and anti-glare option and

finally we are launching the new Vela Switch – a colour changing downlight that can be switched from 3,000k to 4,000k. All the Vela range are tested to ensure they are suitably fire rated for use in 30, 60 &



90 minute ceilings and all conform to EN 60598 and to Building Regulations Part B, C, E & L. For further information, please see our new brochure.

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UK Spares has 25 years of expertise in distributing genuine manufacturers spare parts to the electrical trade. We are of the prime suppliers of spares within our main area of expertise which is electric water heating and electric space heating. We are part of UK Electric Ltd and have a range of sister companies involved in a diverse range of activities associated with electrical, electronic, mechanical, lighting and controls.



brands such as Creda, Dimplex, Instanta, Whirlpool and Zip. UK Spares removes the need to replace a complete unit for the sake of a lost control knob, faulty element or broken tap handle.

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available to order UK Spares can quickly source even the most obscure spares from its extensive network of suppliers.

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Safer heating for SEN School

Safe surface temperature specialists, Contour, have recently completed a project with Walton Hall Academy to provide LST safety radiator guards to the school that will protect students from burns and reduce the risk of injuries around their radiators.

Walton Hall is a special educational needs school in Staffordshire. Their previous radiator covers needed to be replaced to allow

staff easier access for cleaning and maintenance as students were often pushing small items through the grilles.

With close consultation to their needs, Contour provided 19 DeepClean LST radiator covers with radius edges and bullnose corners, which eliminated the risk of children injuring themselves on sharp edges. The DeepClean design also features pencil proof



grilles, which addressed another one of the schools problems.

To read more on this case study, visit the Contour website at: www.contourheating.co.uk/case-studies/walton-hall-academy

Contact
T +44 (0)1952 290498
sales@contourheating.co.uk
www.contourheating.co.uk

The UK's leading producers of render rockwork, stonework, waterfalls and trees

Information about the services Alan Bishop THEMEWORKS Ltd can offer...



Zoos
Specialising in theming for zoo exhibits and enclosures, Alan Bishop THEMEWORKS Ltd specialise in creating highly realistic, 'virtual' habitats, establishing the company's reputation as one of the better exponents of immersive theming.

Whether new build projects or renovations, today's zoo designers and zoo management are completely knowledgeable about the impact of immersive theming, both to the public and zoo animals. Alan Bishop THEMEWORKS Ltd has a wealth of experience in creating themed environments, from small vivariums to walk through enclosures. Whatever the size and scale, the company understands the complexities of marrying aesthetics with the practicalities of animal husbandry, keeper/curator requirements and zoo-technical demands.

Visitor Attractions
We also specialise in water parks, theme parks, leisure centres, museums, exhibitions, nightclubs, restaurants and shopping malls.

Alan Bishop THEMEWORKS Ltd is one of the UK's leading producers of bespoke, hand sculpted render rockwork, stonerock, waterfalls and trees.

Scenic Art
Our new team of scenic artists has strengthened our Scenic Art department's reputation. Operating alongside our long established core business, we can offer the following standalone art services: murals, scenery, decorative paint effects, trompe l'oeil, figurative and animal painting.

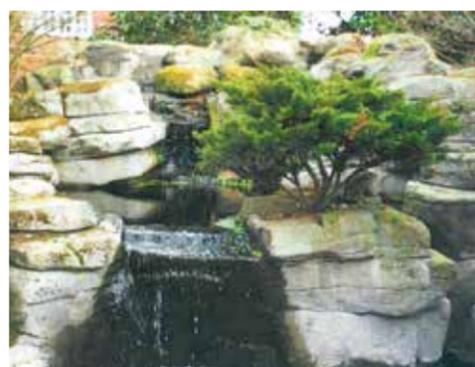
These services can also be readily integrated with our three dimensional themed elements to produce a convincing theming package.

Private Commissions
Having won awards for our faux rockwork at both Chelsea and Hampton Court Flower Shows, we enjoy working in the private sector where we have carried out numerous original projects.

We are always mindful of budget and time considerations, and we offer a true one-to-one relationship with our client, ensuring ideas are understood and dreams brought to fruition.

Recent projects include rock and water features – grottoes, follies, architectural sculpture, artefacts and other garden ornamentation.

T +44 (0)7885 638218
alanbishop@mac.com
www.alanbishopthemeworks.co.uk



Smart technology = a safer site

The construction industry is constantly evolving when it comes to site safety, but it still remains a high-risk industry.

According to recent HSE stats, there were 30.7 million working days lost due to work-related ill health and non-fatal workplace injuries in 2017/18, with workplace injury and illness costing the economy around £15bn a year.

Bradley Markham, director at Bull Products, believes that smart technology could be the solution to minimising worker injuries and ensuring a safer construction site.

The use of technology has impacted every one of us in one way or another but when it comes to the use of technology within the workplace, companies are yet to embrace the change or understand the true benefits it could have on the future of the construction industry and more importantly, workers' safety.

Over the past five years, technology has pushed the construction industry to become a safer working environment. In particular, the developments of wireless technology such as alarm systems are making sites safer.

Today, emergency fire, first aid and intruder alarm systems have become an integral part of the construction sector due to their flexibility, reliability, ease of installation, and usability.

When existing technology and devices become wireless, the functionality increases leaps and bounds. Wireless technology is the ideal solution for construction sites and building complexes that have more than a single building. In the case of temporary installations, for instance, construction sites where the work is in progress, wireless fire alarms can be installed and then removed once the work on the site is finished, or moved to another site, providing a cost-effective and flexible solution to companies.

As false alarms can cost businesses and fire and rescue services around £1 billion a year, and loss of sales and time, wireless systems offer heaps of benefits to construction companies and a complete safety solution.

Wireless systems are just the start of smart technology and if you fast forward 10 years, the way in which businesses operate and the equipment they invest in will be very different.



Recently there has been a major focus on the use of technology in the workplace and I believe smart technology such as drones, augmented reality and wearable technology will play a crucial role in not only improving health and safety on site, but fuelling growth and innovation for businesses.

Virtual reality will enhance health and safety training on site as it will give workers the chance to reduce accidents by creating simulations of real workplaces and hazards. This will allow workers to be aware of dangerous situations, which in turn, will reduce injuries on site.

Drones will help construction managers inspect a job from above or in places where it is dangerous for a human to go, allowing the technology to spot potential hazards and monitor ongoing activity. This will provide a time-saving and cost-effective solution as it eliminates the need for an in-person inspection.

It's important that we start to think about how smart technology will enhance site safety in the future. In doing so, we can ensure best practice on site and build a more efficient construction industry for the future.

For more information, contact Bull on: +44 (0)1432 371170 or visit: www.bullproducts.co.uk



alan bishop THEMEWORKS LTD

Alan Bishop THEMEWORKS Ltd is one of the UK's leading producers of bespoke, hand sculpted render rockwork, stonework, waterfalls and trees.

With over 20 years experience throughout the leisure industry, Alan Bishop THEMEWORKS Ltd is one of the UK's leading producers of bespoke, hand sculpted render rockwork, stonework, waterfalls and trees.

Specialising in theming for zoo exhibits and enclosures, we have the expertise, skills and resources to create highly realistic 'virtual' habitats, thus establishing the company's reputation as one of the better exponents of immersive theming.

On both new build projects and renovations, today's zoo designers and zoo management are completely knowledgeable about the impact of immersive theming, both to the paying public but also to the zoo animals and exhibits. Alan Bishop THEMEWORKS Ltd has a wealth of experience in creating themed environments, from small vivariums to walk through enclosures.



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Medusa LED streetlight at forefront of design and technology

Medusa is the latest generation of LED streetlight from Ecolighting.

Robust and weatherproof to IP65, the Medusa luminaire is easy to maintain, lightweight and has a stylish aluminium body with adjustable pole mounting.

The Medusa is designed with a Philips advanced xitanium driver, Samsung or

Cree LEDs and a NEMA five-pin plug comes as standard for telematics such as TELENSA or similar open protocol.

Ideal for use in streets, security, car parks and building exteriors, the Medusa luminaire allows public sectors to benefit from huge cost savings and makes a substantial difference to energy bills.

By using top quality LEDs in Medusa, Ecolighting ensures high thermal conductivity, minimal light decay, pure light, very stable performance and a 50,000 hour lifespan. As a result, Ecolighting is able to offer a 10-year conditional guarantee with optional photocell control and a pre-programmed dimming cycle for smaller projects.

The Medusa comes in three body sizes and 10 different LED power outputs from 14W to 250W. The system uses LEDs producing 115 lumens per watt and a colour temperature of 5,000K, top quality modular drivers and has surge protection to 10KV.

Eco-friendly and energy-saving, the Medusa has no radiation or emitting heat, is free from mercury, lead and other harmful substances. Its head can be adjusted from 0-90°, the optical design suits different roads, and it has a 70:30° road to pavement ratio. Its innovative thermal management design has an effective low LED junction temperature, ensuring the lifespan of the light source and its power supply.

For ease of installation, the streetlight has a built in spirit level and there are different power supply solutions available whether dimming or not dimming. The body comes with an advanced clip for tool-less operation and an easy to maintain fixed brace.

Ecolighting's Medusa streetlight fitting has been specified as one of the products in a number of applications, including for leading interior lining systems manufacturers British Gypsum and the successful Mantra Learning in Manchester. The installation of Ecolighting's LED solution on the site provided far higher lux levels whilst reducing power consumption by over 60%.

As members of the Carbon Trust, Ecolighting is also able to offer clients low interest loans for investment in LED lighting technology.

Further information on energy saving LED lighting schemes is available from Ecolighting on:
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GEZE UK takes centre stage for leisure needs

Whether it's a creating a grand entrance or ensuring access for everyone, all leisure venues seeking to attract people through their doors need to strike the perfect balance between aesthetics and functionality. Alongside this can be a long list of specific needs: sustainability, accessibility, security, health and safety, flow of people around the building, environmental impact or heritage sensitivity.

GEZE UK's new Project Portfolio Leisure outlines how some of these considerations have been put into practice within a range of different buildings from a prestigious art gallery, theatres old and modern, to striking landmark visitor attractions.



The brochure highlights the flexibility that GEZE UK's extensive range of solutions provides as a manufacturer of both manual and automatic door and window control systems.

It illustrates how the application of solutions must meet demanding and exacting standards that will help 'sell' the venue to visitors while meeting practical requirements for building management.

Examples include the Whitworth Gallery, in Manchester, which was enhanced by a glazed extension that complemented the existing Grade II listed building and the Birmingham Repertory Theatre where

increasing audience numbers led to the need to create new entrances that made a grand statement, whilst allowing large numbers of people to flow through the building effectively.

Also featured are automatic bi-parting curved sliding glass doors that sit seamlessly within The Wing, a visitor and education centre for the Battle of Britain Memorial Trust at Capel-le-Ferne, Kent demonstrating how GEZE's innovative products provide impressive entrances that echo the building's style, whilst ensuring accessible, draught-free entrances.

The Project Portfolio Leisure defines the importance of specifying the right doors for the

environment – in this case the entrances to the Beach Building, beneath Brighton's 'vertical pier,' the British Airways i360. The solution had to be robust and resilient, capable of withstanding both high visitor numbers and coastal elements.

A digital version of the brochure is available from the downloads section of the GEZE UK website, while the printed version can be obtained by calling the marketing team on: +44 (0)1543 443015.

For more information about GEZE UK's comprehensive range of products and system solutions, call: +44 (0)1543 443000 or visit: www.geze.co.uk

Winners of UK and Ireland's most considerate construction companies revealed

The highest-performing construction companies and suppliers in the UK and Ireland have triumphed at the 2018 National Considerate Constructors Scheme Company and Supplier Awards.



The companies winning this year's top award of 'Most Considerate Company 2018' are:

- ▲ Optik Leisure – Annual turnover category: Under £250k
- ▲ Impact Roofing and Building – Annual turnover category: £250k to <£3.5m
- ▲ Thomann-Hanry – Annual turnover category: £3.5m to <£10m
- ▲ Munnely Support Services – Annual turnover category: £10m and over

The title of 'Most Considerate Supplier 2018' went to:

- ▲ Waste management service specialist Norris

All award winners' details are available to view through the Scheme's Construction Map: <https://www.constructionmap.info/map/companyawards2018>

The awards are of paramount importance to the construction industry, showing the dedication and commitment that best performing companies and suppliers have made in raising their standards of considerate construction.

Over 350 representatives of the possible winning companies and suppliers gathered together at ceremonies on the 15 and 16 November at the Royal Institute of British Architects (RIBA) prestigious landmark headquarters in central London, to hear whether they had won Bronze, Silver or Gold awards.

Of the Gold Award winners, eight shortlisted companies received the 'Most Considerate Company Runner-up' title and one supplier received the 'Most Considerate Supplier Runner-up' title.

All award winners were recognised for their outstanding performance against the Scheme's Code of Considerate Practice with assessments carried out between 1 August 2017 and 31 July 2018.

Established in 2002, Optik Leisure is an interior refurbishment company based in Stone, Staffordshire, comprising just two full-time employees. Despite being a very small company, it projects an exemplary public image and positive enduring community legacy. Considerate efforts included the funding of two occupational nurses specialising in prostate cancer screening which resulted in 300 local men being tested.

Based in Chingford, East London, Impact Roofing and Building is a subcontractor specialising in roofing repairs and replacements. In just its second year of registration with the Scheme, this company has spared no effort in addressing areas for development, taking every opportunity possible to raise compliance levels. The workforce is presented in clean, branded PPE, while immaculate vehicles promote the company website and values, and operatives make every effort to promote a positive image of construction by using #loveconstruction on social media.

Follow the Scheme's social media channels and hashtags #ccsawards #loveconstruction for all the latest from the awards.

www.ccscheme.org.uk

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High capacity surface water drainage for Primark Distribution Centre, Kettering

The Primark Distribution Centre, near Kettering was developed by London Metric Property Plc. Known as Thunderbird 2 the £77 million facility comprises a 93,000m² warehouse, some 5,000m² of office space and 50,000m² of hard standing with parking for 175 HGVs and 530 cars.

Built on a remediated brown field site convenient to the A14, the development also includes a separate Vehicle Maintenance Unit, Refuse Recycling Centre and automated gatehouse. The site has achieved a BREEM Very Good rating.

A major earthworks operation was necessary to level the ground and create the vast plateau on which the building and hard standings were constructed. With such a large hard standing area an effective surface water drainage system was essential.

Having supplied high capacity surface water drainage channels for hard-standing areas at numerous distribution centres throughout the UK, Hauraton were confident their RECYFIX[®] HICAP[®] high capacity channels would comply with the stringent specification asked for by the contractors.

It was decided to drain the hard standing area using four sizes of RECYFIX[®] HICAP[®] – 100, 200, 300 and 680 because of their overall volume capacities. As well as straight runs of 100 and 200 channels, the 200, 300 and 680 sizes were installed in a step fall arrangement providing an enhanced water volume for these runs of 366,324 litres per metre (l/m). All the sizes supplied had fixed ductile iron, 14mm open slot inlets finished with KTL, a rust resistant coating. All 1,229 metres of RECYFIX[®] HICAP[®] channel installed complied with loading category Class F900 (900kN).

By affording a superior overall hydraulic performance, the HICAP[®] system generally allows engineers and



contractors' flexibility in surface design and installation, reducing the number of channel runs normally required to drain a given area. This reduction means less underground excavations, materials and vastly reduced installation time. Usually as there are fewer runs required, the surfaces strength is not compromised whilst future maintenance and cleaning will also be reduced.

With laden HGVs weighing up to 44 tonnes, manoeuvring trucks impose an enormous twisting stresses on any surface drainage system. Not only must the area be efficiently drained, the installed system must also withstand the twisting forces exerted by a truck's wheels.

In addition some 200m of Hauraton FASERFIX[®] KS 100 channel with HEELSAFE ductile iron gratings were also installed in the site car parks requiring a loading category of Class C250 (250kN). The gratings were also specified with a KTL coating.

Peter Dicken, the Hauraton Project Manager, was confident when his company's high capacity channels were chosen for this enormous drainage project. "The RECYFIX[®] HICAP[®] channel components are made from specially formulated recycled polyethylene (PP), the 100, 200 and 300 channel used, with the ductile iron inlet, weighed less than 25kg so allowed one-man-lift of these units. This greatly simplified handling and logistics for merchant MJP and Ground works contractor, O'Brien Contractors, who found the combination of a tough PP channel and ductile iron slot inlet resisted site damage during installation. As with all Hauraton surface water drainage channels, the performance of the RECYFIX[®] HICAP[®] and FASERFIX[®] KS ranges complies with European Standards (hENs) and carries the CE mark."

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95 year old cinema restoration recognised by world-class panel

Belfast-based Pure Fitout celebrates Building and Architecture Award for the renovation of Stella Theatre, originally opened in 1923.

Bringing back to life the 1920s glamour of the iconic Stella Theatre in Dublin, independent fit out specialist, Pure Fitout, has received the award for Building Refurbishment for a Single Building or Development.



The extensive restoration project for Press Up Entertainment Group in collaboration with renowned designers, O'Donnell O'Neill Design Associates, used meticulous restoration techniques to preserve the stunning original features of the art deco theatre.

James Edwards, Building & Architect of the Year Awards, says, "The panel were impressed by the excellence of this extensive restoration which preserved the original ornate ceiling and art deco features. High quality work and materials used to integrate the wonderful original features with new innovative aspects."

Award-winning craftsmanship and attention to detail Restoring the Stella Theatre required a dedicated team of Project Managers, Quantity Surveyors and Site Managers, as well as highly skilled craftspeople to achieve the award-winning restoration.

"This restoration project was truly unique and a challenge that we're extremely proud of. From discovering the original ornate ceiling to the beautiful mosaic tiling of the Stella logo, our specialist craftspeople and antiquing experts successfully restored and recreated intricate features and details throughout the theatre," said Ronan Higham, Founder and Managing Director of Pure Fitout.

Mixing the old with the new, Pure Fitout's in-house joinery and metal workshop played a significant role in creating new features that would complement and blend in with the original design. This included creating a bespoke mould in order to produce a brand new balcony with an authentic replica design.

Pure Fitout accolades continue to stack

Founded in 2016, Pure Fitout has achieved significant growth in just three years, securing recurring contracts with clients across the hospitality sector including Five Guys, The Press Up Entertainment Group, NolaClan Group and Boojum burrito bars. Pure Fitout has been shortlisted for three Fit Out Awards due to be announced next month for work on the Stella Theatre as well as the Stella Diner and The Press Up Offices.

Pure Fitout is also extremely proud to have been shortlisted for the Small Business Big Impact Award at the annual Aisling Awards, honouring the champions of Belfast and those making the biggest contribution to the community.

The company prides itself in attending to every detail of their clients' vision, by sourcing, hand-crafting, manufacturing and preparing each element to create an environment that is in keeping with the client's request.

Higham continued, "We believe in providing a fully integrated approach for the development and execution of fit outs of any scale from smaller projects to major commercial and residential roll outs. We source materials from around the world in order to realise our client's and designer's vision, all produced and fabricated in our workshop. Whether it's marble from Italy or tiles from New York, we guarantee the highest quality materials for the in-house creation of bespoke features."

To find out more about Pure Fitout and the Stella Theatre restoration, please visit: www.purefitout.com

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WOLF GRAY: SOMETHING TO HOWL ABOUT

CORDURA® TRUELOCK™ FIBER: NEXT GENERATION DEEP DURABLE COLOUR

Imagine a future of sustainable colour. True colours engineered not to fade or diminish over time. Colours that have a smaller carbon footprint. Colours that are cleaner, more efficient and more durable. Colours designed to last, while using less water, energy and chemistry.

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How much lighter? There are significant potential water and energy savings as well as reduced CO₂ emissions when we compare **CORDURA® TRUELOCK™** fabric with textiles made using traditional piece-dyed methods.

IT TAKES A LOT OF WATER TO QUENCH THIS THIRST

Did you know **COLOUR** is a **THIRSTY** beast? It's true! It can take up to 3.7 litres of water to piece dye enough fabric to make just one motorcycle jacket. That's more water than some of us drink in an entire day. Add approximately 2.0 more litres of water for fabric used to make a backpack and we are talking about seriously thirsty colour.

CORDURA® TRUELOCK™ FIBER
BECAUSE WE'D RATHER DRINK OUR WATER THAN WEAR IT!



WATER

Every 250,000 metres of fabric made using **CORDURA® TRUELOCK™ FIBER** can save enough water to quench the thirst of nearly 500 people for a whole year or fill 0.2 Olympic size swimming pools.



ENERGY

Enough energy to power more than 10 households for an entire year or an old-school 60 watt light bulb for over 200 years can be saved for every 250,000 metres of fabric made using **CORDURA® TRUELOCK™ FIBER**.



EMISSIONS

Making 250,000 metres of fabric using traditional piece dyeing methods emits the equivalent amount of kgs CO₂ as driving a car non-stop for nearly 5 years or making 2.3 trips around the world. Using **CORDURA® TRUELOCK™ FIBER** offers a way to significantly reduce CO₂ emissions.



But **CORDURA® TRUELOCK™ FIBER** is not just about a lighter footprint. It also delivers excellent colour durability fabric benefits:

- UV fade resistant colour
- Abrasion resistant colour
- Multi-component colour uniformity
- Colour that is consistent and uniform from product to product
- Colour that does not bleed or transfer

The all new **WOLF GRAY** is the leader of the pack for this portfolio of next generation coloured fiber designed to leave a lighter set of tracks on our path to sustainability.

EXPLORE **CORDURA® TRUELOCK™ FIBER** AT WWW.CORDURA.COM

*Data based on LCA study looking at potential savings in water, energy and CO₂ emissions of fabrics made with 1000D solution dyed nylon fibre versus 1000D conventional piece dyed fabric. Conducted in 2012 in co-operation with independent dyeing and finishing mills which are authorised producers of CORDURA fabric and results were analysed by an independent third party. Comparisons used are based on information sources found in the public domain.

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