

### SANCTUS TRAINING

Sanctus Training Limited provide a comprehensive offering of Health & Safety courses including; First Aid, Mental Health First Aid and Site Safety Plus. We are also a UKATA Approved Training Provider and can deliver Asbestos Awareness, and Non-licensable Work with Asbestos including NNWL courses for Groundworkers and Waste Management & Civic Amenity Operatives & Managers, all at our purpose built training facility.

We are an approved City & Guilds Centre delivering courses and Diploma's/NVQ's in Heating, Ventilation, Air-Conditioning & Refrigeration (HVACR). We also host Electrical, Hot Water Systems, Legionella and Water Regulation courses at our practical training centre.

In addition to the above, we deliver a range of Professional Development courses. These courses focus on key topics such as; Successful Communication, Equality & Diversity, Building an Effective team, and Appraisal Training. We offer Bite Size modules and one-day options. We can also

design and tailor a programme to suit the exact needs of our customer.

Sanctus Training Limited is proud to be accredited with; CITB, Qualsafe, Mental Health England, City & Guilds, UKATA, FETA, BRA, Cert-ain and UK Certification.

Training is carried out at our Training Centres in Gloucestershire – our state-of-the-art Head Office in Quedgeley, and our practical centre in Cam, near Dursley. Alternatively, where appropriate, we can undertake training at our customers premises or other chosen venue.

We are committed to providing our customers with quality training which we have been delivering for many years. We are flexible around our customers' requirements and continually develop our courses.

[Please take a look at our website:](#)  
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# Planting the seed for easy vertical gardening



commitment to customer service, offering help and advice throughout their working relationship to ensure each customer is getting the most out of Wonderwall's products. "We are extremely competitive, and we pride ourselves on providing reasonable prices without sacrificing quality. We also look after our customers throughout the whole process; we offer on-site visits and provide our clients with consultancy and services across the whole journey."

With Wonderwall's vertical planters, the only limit is your imagination. Providing an excellent opportunity to create diverse and bespoke garden designs, they are perfect for balconies, interiors, window boxes and fences, as well as for producing living wall designs for a stunning internal or external feature. The planters can add interest and beauty to otherwise mundane features, enhancing surfaces and spaces in an intriguing way. Most significantly, Wonderwall's planters can self-water, reducing the time spent maintaining the planters' health and increasing their aesthetic quality.

Thanks to Wonderwall, customers can help to reduce their carbon footprint by creating a living breathing wall without the need for bricks. The living wall is also recyclable, energy saving and cost effective. "We are always searching for new innovative solutions and products and we are passionate about providing ways to help companies to lower their carbon footprint," Rick explained. "A living wall offers a wide range of health benefits, so it's not just aesthetically pleasing, but great for everybody's wellbeing."



the wall can facilitate the growth of fruit and vegetables in urban settings.

"It's been a great 12 months, and everything is moving in the right direction," said Rick. "We've been working on bigger commercial builds, with a focus on increasing sustainability and reducing the carbon footprint and working with universities to research new technology. We're developing methods to improve water retention and biodiversity, ensuring everything is sustainable and offering new ways to move the company forwards. We're working on a freestanding system at the moment, with irrigation and UV lights in the system to offer an enclosed, plug-in vertical planter option."

"We're also pleased to announce that we are looking for regional franchisees in 2020, to look after target markets. If you're interested, please contact us for more details," Rick concluded.

Undoubtedly, the benefits of Wonderwall's innovative products speak for themselves, and the company's future releases are highly anticipated across the industry. If you would like to find out more information on how to install a living wall on your premises, and stay up to date with Wonderwall's latest developments, head to the website or get in touch using the contact details below.

**Contact**  
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**[www.wonderwall.direct](http://www.wonderwall.direct)**



Building and Construction Review is proud to announce that Wonderwall has been chosen to receive our Outdoor Building Company of the Year award, for its outstanding range of innovative garden products which are helping to breathe life into places and spaces across the country.

Established in 2016 by Rick McKeever, Wonderwall produces high quality and unique decorative garden products. Through Rick's expert leadership, Wonderwall has developed a stellar reputation within the industry, and is well-known for its picturesque and show-stopping vertical planters.

With a team that is always thinking outside of the box, creativity is woven into Wonderwall's company culture, with a keen focus on designing and developing products which will transform environments inside and out. The team at Wonderwall is comprised of passionate and knowledgeable gardeners, combining their wealth of experience to produce some of the UK's most stunning features and living wall designs.

This expertise is underpinned by an outstanding



# The Van Insurer: Quick, simple, straightforward



Building and Construction Review is proud to announce that The Van Insurer has been chosen to receive our Commitment to Excellence Award. "To be recognised in this way is really fantastic!" said Ed Bevis, Commercial and Marketing Director. "It's proof that we're heading in the right direction and bringing a service to our customers that is second to none."

Established in 2009 following the successful launch of its sister site, The Bike Insurer, The Van Insurer is an online insurance price comparison website, offering quotes for almost any type of van and cover requirements. Using its comprehensive broker panel, which comprises some of the UK's best-known commercial vehicle insurance providers, The Van Insurer aims to make organising van insurance easy, quick and cheap.

Its website uses some of the industry's most advanced software, and the company is constantly improving the user experience in order to provide customers with the most competitive prices available.

"We aim to help any and every van owner with their insurance needs. We provide the majority

of our quotes for builders, so it's great to know that we're helping to keep the wheels of the industry turning. We also have a fairly even split between commercial and private quotes, which shows how accessible we are to all van owners and drivers," explained Ed.

Although the van insurance market is small in comparison to the car market, it is one of the fastest growing sectors. For this reason, The Van Insurer ensures it maintains a programme of constant innovation to establish and uphold its competitive edge.

What's more, The Van Insurer's 'Cheapest Price Guarantee' helps the company to remain a market leader, guaranteeing that if owners

find a cheaper van insurance quote anywhere else online, The Van Insurer will beat it.

The Van Insurer is committed to listening to its customers' feedback, allowing for the continual improvement of its services. In fact, the company has maintained a highly impressive 4.6 out of 5 on reviews.co.uk, proof that The Van Insurer is continuing to move in the right direction.

As well as this innovation and high-quality customer service, The Van Insurer also understands that some customers prefer a personal touch, so it provides a telephone quotation service for van owners with specialist van insurance requirements.

The company also ensures it remains present and engaged across its social media profiles and has been growing its following in recent months. Undoubtedly, The Van Insurer is aware that the van community likes to be part of the conversation, and its regular 'Myths of the Road', 'Transit Tuesday' and 'Throwback Thursday' posts are becoming increasingly popular as its community of van owners expands.

Indeed, readers are likely to have seen one of the company's articles in the press, whether it's covering insurance hotspots, quirky van driver occupations, or Top 10 Vans; rather than just a price comparison company, The Van Insurer is



there to encourage lively debate and keep its customers up to speed with what's occurring in the industry. "We work with a lot of trade specialists whose vans are their lifelines, but we also work with hobbyists and have a big modified van customer base that's continuing to grow," explained Ed.

"We recently launched a dedicated service for modified van owners. We know that these vans can be tricky to find insurance cover for, so this bespoke service means they can call a dedicated telephone number and speak directly to a member of a specialist insurance team. Once they've discussed their unique needs, they'll receive a quick and competitive quote. We think it's another good example of how we like to listen to the needs of our customers." Without a doubt, The Van Insurer has a proven record of listening to and addressing its customers' needs and will only continue to improve and expand upon its services in the coming years.

"We're constantly evolving to meet the needs of the van owner community", concludes Ed. "We're committed to improving the overall customer experience of purchasing van insurance and the competitiveness of the quotes provided."

**For more information on The Van insurer, including terms and conditions and details of the Cheapest Price Guarantee, visit [www.thevaninsurer.co.uk](http://www.thevaninsurer.co.uk) or follow on social media via Facebook @VanInsurer, Twitter @Vaninsurer and Instagram @thevaninsurer.**



**The Van Insurer** ➔

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# Climbing to New Heights



Within this issue of Building and Construction Review, we are proud to announce that we have selected leading supplier of hire and sale GEDA construction hoists and transport equipment Direct Hoist as the recipient of our **Building Excellence Award**.

Direct Hoist specialises in GEDA construction hoists and transport platforms, providing the best quality, efficient and reliable hoist equipment for the construction industry. Direct Hoist has over 30 years of experience working within the industry and has



built a strong reputation as experts in hire and sales of GEDA hoists and associated products.

Direct Hoist maintains a specialist team of fully trained hoist experts and time-served tradesmen; the team provides customers with not only top quality products but also expert services and valued insight through tailored consultancy. Direct Hoist provides a full comprehensive service from start to finish, which includes on-site surveys, installation, maintenance and repairs, dismantling and weight testing services.

"We gather as much information as possible on our client's project and we participate in on-site surveys. We ensure that we provide our client with the best hoist solution for their hoist requirements," said Managing Director, Rob Wilson.

Based in the East Midlands, Direct Hoist has gained unprecedented growth and success since the company's inception in 2014. We had the pleasure of speaking with Managing Director, Rob Wilson about how the last 12 months has been for the company, he told us that, "In the last 12 months we have seen rapid growth on a major scale. Since the company started, we have expanded significantly to meet the demand of the market and our clients. We now have a team of 10 of us and we utilise our staff, promoting staff in-house and ensuring we get the right people for job. We want to encourage our team, as our best asset is our workforce."

Within the construction industry, health and safety is of paramount importance, without the right safety measures and equipment efficiency, lives can be in danger. Direct Hoist does not cut corners on safety and provides only the best quality construction hoists. By using GEDA, Direct Hoist ensures that they are providing the most reliable, top quality equipment as GEDA are manufactured through traditional German manufacturing practices of competence.

Through the company's emphasis on providing the best equipment possible, Direct Hoist also ensures that their team are the best and are fully qualified, investing within their team to provide specialist training programmes. In fact, all hoist installation supervisors at Direct Hoist have been trained to



achieve a minimum of an NVQ Level 2 Diploma in hoist installation. They also ensure that their team are all SSSTS certified, own a valid CSCS card and carry current CCNSG safety passports.

The company also boasts an expansive range of accreditation. Direct Hoist is a member of CPA (Construction Plant hire Association), CHIG (Construction Hoist Interest Group) and CITB (Construction Industry Training Board), and the company is also fully accredited with Constructionline.

In terms of the hoist equipment range that Direct Hoist provides, the company maintains a varied selection of GEDA Hoists, from small to large with load capacities ranging from 150kg to 3700kg. "Our hoists are modern and lightweight; they are also extremely cost-effective for the customer." Rob continued, "As the hoists do not require a concrete base or embedment frame, they save the customer money. The hoists are made to benefit the customer and help speed up the construction process and improve productivity." Direct Hoist also maintains a fleet of hoists available to hire including: scaffold erection hoists, goods hoist, transport platforms,

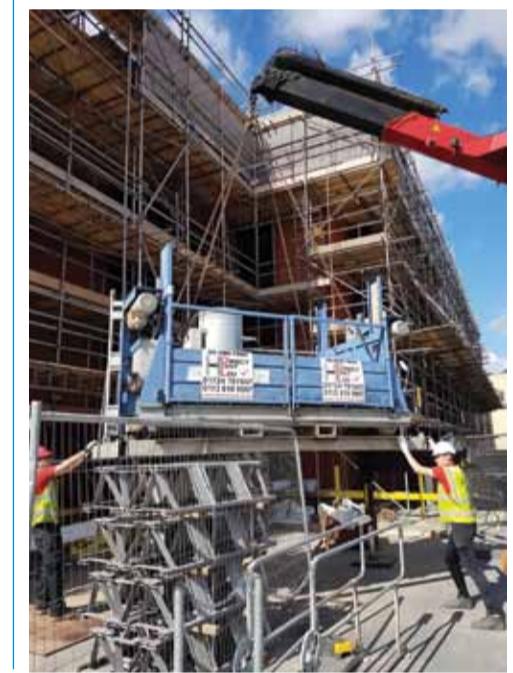
inclined tile hoists and XL hoists. Through Direct Hoist's impressive leading manufacturer contacts, the company guarantees to supply their customers with the most efficient equipment for their needs.

In terms of the future for Direct Hoist, Rob told us that, "We will always strive to be the number one hoist company in the UK. We do have plans to expand our market presence, expanding into the south and midlands. Since we started we have moved locations three times, to expand and grow with our customers and hopefully this continues."

Speaking with Rob Wilson about how the company feels upon receiving this award, he told us that, "We are very honoured, this is the first award that we have received and it's positive to receive the recognition!"

For any more information please see the details below.

T 01724 781647  
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## 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.

Contact  
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# Bespoke, waterproof and long lasting basements



In this issue of Building and Construction Review, we will be featuring the basement specialist company Glatthaar-Fertigkeller for our **BCR Recommends Award**, looking at how the company has managed to build up a reputation as one of the UK's leading prefabricated basement specialists.

Glatthaar was set up in 1980, and now has almost 40 years of experience in the industry. The company delivers 5,000 basements a year all over Europe and it has just celebrated its 60,000th basement installation, an impressive milestone and proof of Glatthaar's unparalleled industry experience. From its headquarters in Germany, Glatthaar is able to develop innovative and bespoke basements which offer the very best in reliability and durability. The company operates across the whole of Europe, with its basements installed in homes and buildings far and wide.

Here in the UK, where Glatthaar has been working for 13 years, the company has completed projects all across the country with self-builders and home architects, helping to build the best basement for the home in question, whether it is a new build or for an extension. There are a number of reasons homeowners seek basements. In addition to massively increasing the amount of available space and interior design options, they also significantly increase the value of the property.

Unlike your typical contractor, Glatthaar is dedicated

to providing the best service for its customers and ensuring the basement is as long lasting and stable as possible, and of course able to fit the needs of the homeowner. Whether it is for an extra room, a storage space, a DIY workshop space, Glatthaar can build the best basement to suit your needs.

As the leading prefabrication basement specialist in the UK, Glatthaar has a whole host of benefits that sets it apart from its competition. Perhaps the most important one is its ability to provide an insurance backed warranty against water ingress for self-build projects. Water ingress is a basement's worst nightmare. Most commonly entering through the wall to floor joints, water entry can cause water stains and leaks within the basement, and worse yet, once inside, repairing and preventing further ingress can often be complicated and costly. Glatthaar offers a ten-year company warranty against water ingress, and in addition to this, last year glatthaar finalised an agreement with the insurance company Buildzone Insurance to offer an insurance-backed warranty against water ingress for the glatthaar AquaSafe® basement.

The waterproof and entirely bespoke AquaSafe® basement features precast concrete panels, additional tanking of external joints to prevent seepage, and a number of optional additions. However even without the extras, the AquaSafe® basement is already 100%



guaranteed waterproof. For those who are really curious, Glatthaar even has a floating house where you can see the basement in action.

In addition to the AquaSafe® basement, Glatthaar also has the Baby Basement, and the Twin Baby Basement (now known as the Practical Basement), the company's only standard basements. These provide



additional space at a fraction of the typical cost. Ideal for those seeking a storage or utility room, they feature a basement slab, twin panel external walls and a reinforced concrete ceiling. Quick and easy to set up, inexpensive, and providing the perfect extra space for everything from storage to wine cellars to study space, the Twin Baby Basement has proven highly popular across the country.

On top of its expert basements, Glatthaar also prioritises great delivery of service, with speedy installation and in house engineering. We spoke to Anthony Spinney who explained, "Here at Glatthaar everything is done by our highly trained and long experienced engineers. From design to fabrication to installation of the basement through to after sales, only Glatthaar employees are involved in this process, we do not use external contractors, Glatthaar takes care of everything that the customers need."

During the entire process, Glatthaar works closely



with the customer to ensure the basement is coming along exactly as they envisioned. Whether it is a basement that mirrors the floor space of the entire house, or is larger, or even shorter, the end goal is always complete customer satisfaction. Better yet, Glatthaar also provides a personal point of contact for each customer, meaning they can stay updated and in the know regarding the progress of their basement from one well-informed source. They are also given knowledgeable advice before, during and after the basement is fabricated and installed.

As the leading prefabricated basement company, Glatthaar attends a number of tradeshows every year where it is able to showcase the innovative design and construction that goes into its basements, as well as connect with the industry at large and potential clients. Some of the ones they have attended include Grand Designs, Eco Build and the Home Build and Renovation Show.

If you would like to find out more about Glatthaar and how it can help you build the basement of your dreams, be sure to get in touch with the team using the details below. More details on its many different basement styles and bespoke service can also be found online.

Contact  
T +44 (0)1932 344454  
[www.glatthaar.co.uk](http://www.glatthaar.co.uk)

glatthaar ||| fertigkeller®

Glatthaar are dedicated to providing bespoke, long lasting basements, fitting the needs of each individual homeowner. Whether it's for an extra room, a storage space, a DIY workshop space, Glatthaar can build the best basement for you.



## Why Choose Glatthaar?

- Family owned business since 1980
- The market leader in basement construction delivering over 5000 projects each year
- Glatthaar delivers a basement system and not just components sourced from external suppliers
- One company to the client, we do not use external contractors
- State of the art innovative off-site production
- Our projects are all fix-priced – no hidden surprises
- 10 year company warranty
- 10 year insurance backed warranty against water ingress
- Member of The Passivhaus Trust, The Guild of Master Craftsman and the NaCSBA

Find out how you can build the basement of your dreams. Get in touch today using the code BCR 2531.

Call 01932 344454 or visit [www.glatthaar.com](http://www.glatthaar.com)

# Here's why you should become a Mental Health First Aider



At any given time 1 in 4 people will suffer a mental health problem. That means every day you will meet someone at work, bump into someone at the supermarket or be sat next to someone on public transport who is dealing with depression, anxiety or stress just to name a few. You are likely to be totally unaware that someone will have a mental or psychological condition, as unlike most physical illnesses, the signs of poor mental health aren't always easy to spot.

That's why Total Training delivers Mental Health First Aid (MHFA) England training courses to teach people to spot the signs of mental health issues, offer initial help and guide a person towards support. The course won't teach you to be a therapist, but it will teach you to listen, reassure and respond, even in a crisis, and even potentially reach out to someone before a crisis happens.

Total Training's quality mental health training will give people the tools to keep themselves healthy and support each other, while also offering five core benefits for any workforce:

- ▲ Build employees' confidence to have open conversations around mental health and break the stigma
- ▲ Encourage people to access support early when needed, for a faster recovery
- ▲ Empower people with a long-term mental health issue or disability to thrive in work
- ▲ Promote a mentally healthy environment, stopping preventable issues & allowing people to thrive & become more productive
- ▲ Embed a long-term positive culture across the whole organisation, where employees recognise that their mental and physical health is supported as equal parts of the whole person

Upon successful completion of the course, you will gain a range of valuable skills, including an in depth understanding of mental health and the practical skills to spot the triggers and signs of mental health issues. The course will also give you the confidence to step in, reassure and support a person in distress, enhanced interpersonal skills, and the knowledge to help someone recover their health by guiding them to further support.

"The course was very insightful, and a huge eye opener. With the level of course detail, the content started to hit home as I began to notice symptoms I knew people had," said Liam Jacob, Employer Engagement Officer. "I opted to complete the course due to having worked with people with mental health issues and knowing people personally within my family who also struggle with poor mental health. I now have a greater understanding of mental



health and I'm able to support those around me".

Every MHFA England course is delivered by a qualified instructor, who has completed a MHFA Instructor Training Programme accredited by the Royal Society for Public Health.

A two-day course, it can be undertaken at one

of Total Training's network of training centres or at your premises. The learning takes place across four sessions, involving an interactive mixture of group activities, presentations and discussions.

On completion of the course, you will receive a manual to refer to when needed, a workbook including a helpful toolkit to support your own mental health, and an official certificate of

attendance to say you are a Mental Health First Aider.

If you would like to find out more information on becoming a Mental Health First Aider head to Total Training's website. Alternatively, get in touch using the contact details below.

T 0121 706 0851  
[www.total-training.uk.com](http://www.total-training.uk.com)

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## INTRODUCTION TO BIM AND AUTODESK REVIT

21 MARCH – 4 APRIL 2020  
SATURDAYS 9.30 AM – 4 PM

Building on the expertise in the School of Architecture, Design and Built Environment at Nottingham Trent University, this course provides a hands-on learning environment for all construction professionals in the creation of a Revit BIM model.

Learn how to navigate the Autodesk Revit interface, apply the basic modifying and modelling tools, create drawing sheets and schedules, and undertake BIM analysis.

**Fee:** £675 + VAT  
**Location:** Nottingham Trent University, City Campus

Read more and book your place today:  
[www.ntu.ac.uk/bim](http://www.ntu.ac.uk/bim)

"This course gave me the basic understanding (and a lot more!) to help me move forward. I really enjoyed it. It was well paced and ideal with a small class – I think this is really important, so that questions can be asked and answered." **JC**

"I enjoyed the course and look forward to putting into practice what I learnt. Many thanks to Geoff for a brilliant three days." **DS**

"Geoff was very good at adapting the course to meet our needs, especially with regards to the huge number of questions asked by the group. And it was good to receive paper handouts as well as digital copies." **MW**

**ANY QUESTIONS?**  
Contact the short course team:  
Email: [cpdbe@ntu.ac.uk](mailto:cpdbe@ntu.ac.uk)  
Tel: +44 (0)115 848 2813

BO21/10/19

# 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 93,000m<sup>2</sup> warehouse, some 5,000m<sup>2</sup> of office space and 50,000m<sup>2</sup> 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 BREEAM 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 thorough out 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 1229 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.

QR code for [www.drainage-projects.co.uk](http://www.drainage-projects.co.uk)



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[peter.dicken@hauraton.co.uk](mailto:peter.dicken@hauraton.co.uk)



## RECYFIX MONOTEC® drains car park at Crompton Retail Park, Doncaster

A 930 m<sup>2</sup> (10,000 ft<sup>2</sup>) Farmfood store opened its doors to customers this Spring (2017) on the Crompton Retail Park, Doncaster, West Yorkshire. For this new section of the Retail Park's car park the 150 spaces, was drained by some 73 metres of RECYFIX® MONOTEC, Hauraton's high capacity channel drainage system. The store joins a Dunelm outlet at 3720 m<sup>2</sup> (40,000 ft<sup>2</sup>) a Marston's Public House, a Goals Soccer Centre and other retail and leisure facilities on the 13 acre site located just off the Wheatley Hall Road (A630).

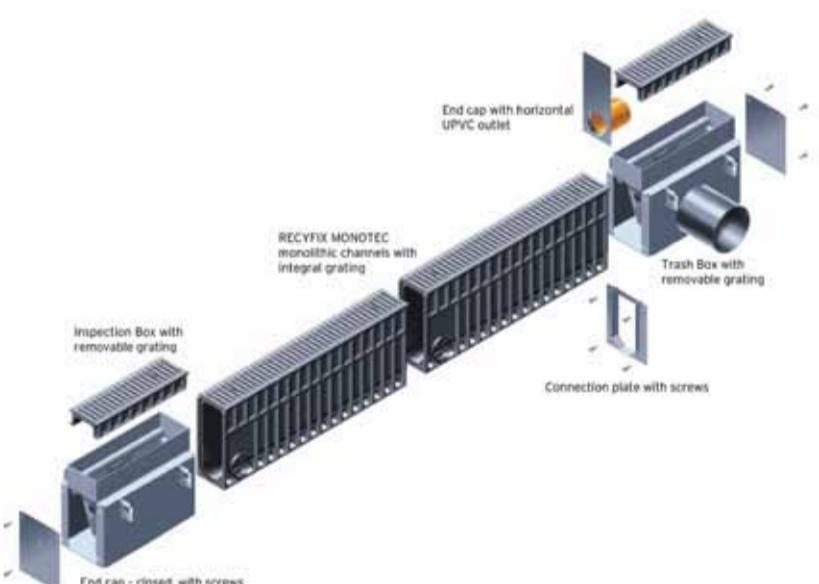
Hauraton Limited introduced the RECYFIX® MONOTEC, system in January 2016. The new Home Bargains store joins the numerous installations successfully completed in the United Kingdom.

Two RECYFIX® MONOTEC 100 models were installed in the car park's asphalt surface, both channels having a grating width of 100mm (Channel internal dimension). The larger channel has an overall height of 380mm and provides a cross-section of 355.5cm<sup>2</sup>. The smaller channel has an overall height of 280mm and provides a cross-section of 245.5cm<sup>2</sup>. The 73 metres of channel installed has a total water capacity of just over 2444 litres.

The MONOTEC one metre long channel component is of a sturdy monolithic design where the HEELSAFE



grating and the tongue and groove linking system are integral to the channel moulding. The whole unit is made of tough, virtually unbreakable polypropylene (PP) formulated to be very resistant to daily temperature fluctuations from frost conditions to strong sunlight, including the Ultra Violet (UV) spectrum. PP is naturally resistant to de-icing salt. Complying with the requirements of EN 1433, the PP is given its UV resistance by adding just sufficient stabiliser so that the structural strength of the material is unaffected and a consistent appearance is maintained. The MONOTEC channels have a loading category of up to Class D400.



Colin Taff, Hauraton's Project Manager for Yorkshire comments; "One of the features of our monolithic system is that the grating is moulded as part of the channel, so for this type of application in a frequently trafficked public area, there is no potential for gratings to come detached from the channel".

All Hauraton surface water drainage systems' comply with European Standards (hENs) and carries the CE mark.

For RECYFIX® MONOTEC product specifications go to [www.hauraton.co.uk](http://www.hauraton.co.uk). CIVILS section For other case studies go to [www.drainage-projects.co.uk](http://www.drainage-projects.co.uk)

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## Hauraton drainage systems at Bonus Arena – Hull Venue

Built on brown-field land located on the edge of the main shopping district in Hull and adjacent to Princes Quay, the Bonus Arena – Hull Venue and its associated multi-storey car park were opened in August 2018. The £36 million development progresses the legacy of the social and economic impact generated by Hull's 2017 UK City of Culture status. The Arena, designed by AFL Architects, is a state-of-the-art music and events complex with a flexible capacity of up to 3,500 people. The facility can provide a venue for concerts or corporate conferences in an 800 seat auditorium. A 2000m<sup>2</sup> adaptable space can be utilised for

sporting events or exhibitions and trade shows. Surrounding the Bonus Arena is a public realm laid with grey stone paving and landscaped by re-form Landscape Architecture Limited with trees, lawns, flowerbeds and permanent stone seating.

An effective surface water drainage system was essential to ensure all weather access to the venue. 140 metres of Hauraton RECYFIX® PRO 100 channels with FIBRETEC® heel-safe gratings were chosen for the job which blended well with the stone paving and would resist damage from applied grit rock salt in freezing weather.

The material, PA-GF used to make the FIBRETEC® grating, was especially developed by Hauraton; the tough, UV resistant, fibre reinforced moulding offers high stability and huge strength for its weight. Complying with loading category Class C250 (BSEN 1433) the grating can easily take the weight of commercial delivery vehicles. The design is a real innovation as its non-corrosive material provides a visually appealing surface finish that retains its colour. The slots are super smooth, elliptical openings with the moulded bars having slightly raised triangular bosses along their outside edges. As well as providing an elegant

appearance, the feature ensures surface water is directed into the slots.

The RECYFIX® channel component is made from 100% recycled PP. The PRO 100 model is factory fitted with the FIBRETEC® grating and only weighs 4.6kg, so the unit was easy to handle and quickly installed on site.

For more product information go to [www.hauraton.com](http://www.hauraton.com).  
For other Case Studies go to [www.drainage-projects.co.uk](http://www.drainage-projects.co.uk).



Established for over 50 years, Vistaplan is the UK market leader in manufacturing and supplying drawing office equipment and drawing management systems. Based in Daventry, Northamptonshire, Vistaplan's products are suitable for use within a wide range of sectors, including education, architecture, studio, construction, engineering, graphic design, and all the way through to home crafts.

Vistaplan always strives to deliver the best service to its customers, demonstrating high standards of honesty and reliability. Reviews from customers can include statements like "the quality of the product and the workmanship are excellent", and "Vistaplan offers a fantastic price of durable products which are manufactured to a high standard." Vistaplan have also been accredited with ISO9001:2015 since March 1995, giving customers the reassurance that they are dealing with a professional company.

Vistaplan offers a range of drawing hanger systems, which allow ease of access and manoeuvrability. The Trolley Carrier maximises the number of drawings stored per square metre of floor space. It will hold a maximum of 20 hangers, fitted with or without handles, and offers a capacity of up to 2,000 sheets.

As well as the hanger systems, Vistaplan also offer a selection of cabinets. The Standard Cabinet is made from high quality metal and holds up to 1,000 drawings/sheets. The lockable lid features twin gas struts, for safety and ease of use. It is finished in two tone grey or white, with other colours available on request; in either A1 or A0 size. These cabinets are essential if you wish to store large plans or drawings in a safe and secure manner.

Vistaplan also offer a range of desktop and free-standing Drawing Boards. Their lightweight desktop boards are supplied with a parallel motion, with the benefit of a locking reversible straight edge. Their free-standing drawing boards are available with either a continuous wire or counterweight parallel motion and can be folded away for easy storage.

If you would like more information on Vistaplan's diverse range of products, head to their website or get in touch using the contact details below.

T 01327 704767  
[sales@vistaplan.com](mailto:sales@vistaplan.com)  
[www.vistaplan-drawingmanagement.co.uk](http://www.vistaplan-drawingmanagement.co.uk)



### VISTAPLAN Market Leader in Drawing Management



Established for over 50 years Vistaplan is the UK market leader in manufacturing and supplying drawing office equipment and drawing management systems.

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# An Introduction to Global Survey Equipment Ltd



Within this issue of Building and Construction Review, we have selected one of the leading UK suppliers of survey and safety equipment, Global Survey Equipment (GSE) as the recipient of our Building Services Award. Through the company's clear devotion to their customers and for their ongoing commitment to the construction industry Global Survey Equipment (GSE) have been contributing significantly to the ongoing development of the industry.

Established in 2011 by Mark Owen and Matthew McGuire, Global Survey Equipment (GSE) is a constantly growing company within the survey and safety sector of the construction industry. Based in Atherton, Global Survey Equipment are ideally located in the heart of the North West of England, enabling the company to have access to extensive motorway networks and delivering the most



efficient delivery service possible for their customers.

Global's four main areas of services they provide are: hire, sales, repair and calibration, although they also provide instrument and cable location training.

GSE offers a broad range of products, all of which are kept up to date with the latest technology. The survey equipment

the company supplies are extensive to say the least, and undoubtedly cover all aspects of the surveying process. GSE offers everything from auto levels to robotic instruments & GNSS, all of which are under the manufacturing brand of GeoMax (part of the Hexagon group).

The Zoom 90 is the ultimate one-man system with up to 20% more automation performance and extended reflectorless measurement capability. Add to this the X-pad ultimate field software,

which is entirely user focused and adopts an ideal balance between clear structure, uncomplicated workflows and impressive functionality.

The latest addition to GSE's already impressive product range is the GeoMax Zenith 40, the flagship of the GeoMax GNSS receivers. The Zenith 40 is equipped with the latest cutting-edge measurement engine and supporting fast converging precise point positioning it provides the highest level of technology and meets the toughest MIL standards.

GSE also presents a range of detection devices, including Cable Avoidance solutions, Environment Meters, Drain Cameras and Gas Detectors. Cable avoidance products include CATs, Gennys and Accessories. The company also provides a half day C.Scope training course on the intricacies of cable avoidance. Environment Meters include Light Meters, Moisture Meters, Sound Meters, Thermometers and Air Flow Meters, and Gas Detection solutions.

In terms of their calibration, servicing and repair services, the company provides a full instrument calibration, alongside



servicing and repairs on all surveying and confined space safety equipment. All of the service technicians at GSE are trained and fully compliant to the highest standards, undertaking regular professional training. Another notable service that GSE provide is as a warranty agent for Dewalt lasers in which, GSE deliver all the calibration and repairs throughout the UK.

Along with detection and survey equipment, GSE supplies reliable and durable health and safety equipment for confined space entry and working at heights. GSE has your health and safety concerns covered, with all products complying with legislative regulations, you can be sure that you're in safe hands when calling on GSE to secure the safety of your work site.



GSE is not only dedicated to offering state of the art and reliable products, but to maintaining strong, trusting relationships with its clients too. We had the pleasure of speaking with Co-founder Mark Owen, he told us that "GeoMax instruments aim to make the end users jobs



more efficient. We pride ourselves on our service and close relationships with clients". It's the attentive attitude that GSE adopts that gives the company its edge and sets it apart from its competitors. Often, large suppliers might not make the time to work with clients in order to arrive at the most mutually beneficial outcome, however GSE does, making customer satisfaction as significant as profitability.

GSE aims to sustain this attitude as it pushes forward, while also paying keen attention to growth and expansion, ensuring that construction and civil engineering industries are all given the opportunity to benefit from the broad spectrum of products that GSE supplies. The company attends the Hillhead trade show held every two years, exhibiting and showcasing their product range and the way it is reshaping the construction and engineering industries.

To find out any more information or to contact Global Survey Equipment directly, please see the details featured below.

**The Sawmills**  
52 Rosedale Avenue  
Atherton  
Manchester  
M46 0DZ

T 01942 896244  
sales@globalsurveyequipment.com  
www.globalsurveyequipment.com

## Energetics Technology: Securing your safety

Established in 2010 by Dr Peter Jemmett, Energetics Technology Ltd designs, tests and manufactures blast protection products, as well as developing pyrotechnic articles and energetic materials.

Located close to Ashbourne in Derbyshire, Energetics Technology started out by offering consultancy services for the development of explosives and pyrotechnics for the MoD. Using this extensive knowledge of energetic materials, the company developed a series of products that could protect against such energetic materials and other explosives. These blast protection products protect people and property from the effects of explosive devices, helping to maintain business operational continuity.

Using a special composite called SabreMat™, a shock and blast resistant material that was developed by Energetics Technology with exceptional ability to absorb blast, heat and flame. Energetics Technology can manufacture a diverse range of items for blast protection, such as boxes for suitcases, letters, mobiles



and laptops, and litter bins for use in public places. In recent times the prevalent threat of terrorism in busy public spaces has seen the removal of litter bins, at the detriment of environmental cleanliness, resulting in expensive litter clean up. This is because traditional litter bins make a terrorist

bomb more efficient, due to the fragmentation of the bin. Energetics Technology's blast resistant litter bins offer the ideal practical solution to this by preventing fragmentation and blast over pressure, protecting the public and buildings, and delivering an environmentally sound solution to waste disposal.

"All of our products are extensively tested on site or at a proper test facility, and each one is tested with the explosive charge we market the product as protecting against," explained Kevin Springthorpe, Business Development Manager. "We also manufacture cladding to protect the outside of buildings, as well as supplying shutter doors and blast proof glass."

In December 2018, Energetics Technology became part of the Etienne Lacroix Group of companies. "Being part of this group has expanded our market reach worldwide, through their established distributor network," explained Kevin. "In addition, access to additional resources has enabled Energetics Technology to develop new and innovative products to meet the increasing demands identified by the distributor network."

Thanks to its consistent growth, Energetics Technology has recently opened a new manufacturing facility with 5000 sq. ft of floor space to allow for greater production capacity. "This will give us additional material storage space and easier movement of heavy goods and transport access," Kevin said.

One of Energetics Technology's most notable ranges is its blast resistant litter bins, they currently have nine variations of blast resistant litter bins available. "The Halo 80 and Halo 80 Plus remain the most popular items for protecting buildings such as airports, transport hubs, shopping malls and arenas, as well as open air public spaces and plazas," said Kevin.

The Halo 80 Plus bin is an upgrade of the company's original Halo 80 bin, which needed to be anchored to the ground. The new Halo 80 Plus version comes with improved protective performance against explosive overpressures and better protection from high velocity fragments. What's more, the Halo 80 Plus does not need to be anchored to the ground, unlike its predecessor, saving on expensive installation costs and enabling the bin to be moved if the threat location changes. The blast resistant litter bins can also be used as a temporary repository for suspect or suspicious packages in mail rooms etc, while awaiting the arrival of trained authorities to deal with the package. The Halo 80 Plus has received a seven-star rating from the UK Home Office.



"As well as the bins, our isolation units, typically for the quick and safe isolation of suspect packages and baggage, are becoming specified items in both new and refurbished building projects," Kevin said.

Looking to the future, Energetics Technology will be continuing to develop additional products for the protection of buildings, infrastructure and personnel from potential explosive

blast threats. "In the short term, we are responding to requirements for products being fed back through the sales network. Our agile research and development team is creating solutions for customers that are all tested and verified prior to release into production. Longer term, we will be increasing our product offering with an element of diversification, while maintaining the central 'know how' of the company's blast protection expertise."

Indeed, Energetics Technology is a clear leader in developing reliable blast protection technology and will build upon its proven ability to innovate in the coming years. "We are an innovative company and are able to develop solutions for seemingly difficult applications. We are happy to consider approaches from the building and construction industry for new and novel requirements for the protection of buildings and the public from the effects of potential explosive threats," Kevin concluded.

If you would like to find out more information, head to the website or get in touch using the contact details below.

T +44 (0)1283 732339  
enquiries@energetics-technology.com  
www.energetics-technology.com



## Leading services in the water industry



H.D. Services Ltd was first established in 1984 by current company Director, Frank Harris. Based in Buckinghamshire, the company operate throughout the South East and specialise in the design, supply, installation and maintenance of sewage treatment systems, open-loop ground source heat pump systems, water supply boreholes, soakaways and drainage – all the utilities a self-builder may require.

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 domestic Renewable Heat Incentive, and in regards to the several different services they provide. H.D Services have been recognised for their exceptional products and services, receiving regional awards at the South East Green Deal and ECO Awards 2015, the Energy Efficiency and Retrofit Awards in 2016, the Energy Efficiency and Health Homes Awards 2017 and the Energy Efficiency Awards 2018.

Having won awards for their renewable heat installations, we asked Rebecca Taylor (Business Development Manager) what the benefits were. "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 our operational area, but also do less damage to the aquifers than drilling for closed-loop borehole systems, as predominantly these use the rotary drilling method. We aim to provide the highest quality open-loop ground source heat pump service available in South East England."

T +44 (0)1494 792000  
enquiries@thehdgroup.co.uk  
www.hdservicesltd.co.uk



## Hadspen Quarry Ltd

Hadspen Quarry Ltd is a supplier of British Blue Lias Limestone used traditionally for walling, Hadspen Quarry has now launched a range of Blue Lias flooring, worktops, wall tiles, cobbles and much more. Excavated directly from one of their two quarries in Somerset, Hadspen Quarry is a family run business with a keen eye for attention to detail ensuring you get the quality needed for your project.

The versatile and luxurious qualities of British limestone means it can be combined with an array of other materials throughout any project to create spaces that are unique, organic and well designed.

Natural stone can be used as a finish not only on the exterior as a walling or cladding stone but also lends itself incredibly well to interiors. It never goes out of style and the recent boom in the return to the use of natural British stone is the proof in the pudding. Hadspen Quarry's range of Blue Lias Flooring, Wall Tiles, Flagstones,

Walling Stone and Cobbles have been used extensively at the prestigious new development The Newt In Somerset, as well as other projects both big and small. They supply and deliver custom-made Blue Lias flooring for customers across the UK.

For a rustic cottage look the leathered blue lias is a good match for time worn flagstones, while the flamed & brushed finish is a new flagstone look.

For a modern aesthetic the two honed options, either our marble bed or fossil bed of Blue Lias provides a contemporary finish while retaining the classic timeless look of a British Limestone floor.

If you need expert advice to help choose the perfect stone for your project, don't hesitate to get in touch with the team on 01963 351205 or email info@hadspenquarry.co.uk



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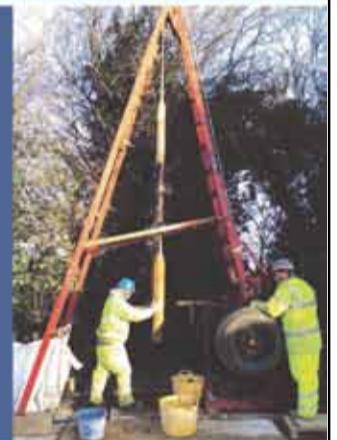
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# Super insulation solutions with Superglass



Building and Construction Review is proud to announce that Superglass has been selected for our Company of the Year 2019 Award.

Based in Stirling, Scotland, Superglass has over 30 years of experience in manufacturing insulation solutions for homes. The company exists as part of TECHNICONICOL, which has 56 manufacturing plants worldwide and is recognised globally as a leader in waterproofing materials, sloped roofing and heat insulation. Superglass offers thermal and acoustic glass mineral wool products tailored to the requirements of the customer while remaining aligned with regulatory standards.

When purchasing insulation through Superglass, you are not simply obtaining a product, you are investing in unrivalled expertise, attentive customer service and flexibility. Superglass looks at its customers as if they are partners, and works closely with them in order to find a solution that works as precisely and as feasibly possible. The approach that the company has adopted is aptly titled Teamworks and revolves around the notion that the customer is at the centre of every action exacted by the company.

Insulation can be a tricky business. With health and safety regulations ever increasing, and the technology that goes into construction constantly evolving, ensuring that insulation methods are up to date and workable is imperative. Superglass manufactures glass wool insulation, which comes with a number of thermal and

acoustic benefits, chief among which is its flexibility which allows it to wrap the envelope of the building more comprehensively than rigid board solutions can. This helps close the gap between anticipated energy efficiency of a home, and its actual performance.

As well as being malleable, glass wool is breathable which helps reduce the risk of condensation in the house or building.

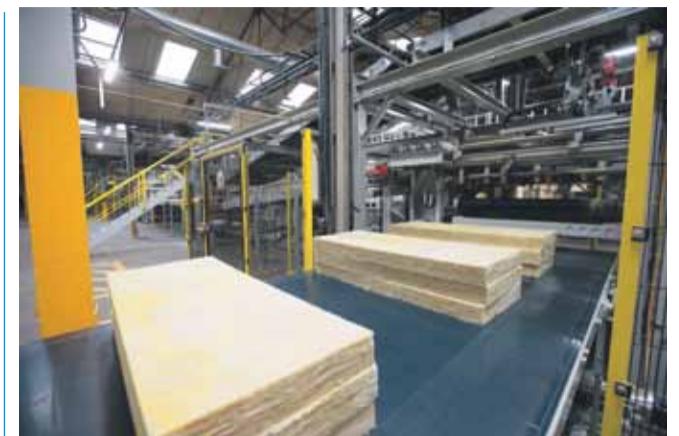
All Superglass products have been awarded a Reaction to Fire A1 (non-combustible) when tested to BS EN 13501-1 which is the highest rating achievable. The term non-combustible is defined legally within the Building Regulations applicable to the UK and Ireland and it is only given to materials that display the highest quality reaction to fire.



Glass mineral wool is also a preferred option for house builders considerate of environmental impact, which these days are most. Many housebuilders when constructing new builds have to meet energy efficiency targets, and comply with a certain level of eco-friendly regulations. The solutions often arrived at include solar power and heat pumps, however none of these will achieve their desired effect without the appropriate insulation throughout the house. With glass mineral wool, the insulated house can benefit from the optimal impact of greener energy solutions installed in the building.

Superglass has recently completed a £37m refit of its Stirling production facility which will result in the production capacity of the site doubling over the next 12 months. The refit comes as a result of investment pumped into the company by TECHNICONICOL. Head of Marketing Bob Dalrymple explains "The integration of Superglass into the TECHNICONICOL group is opening up new routes to market internationally, plus access to all the capability, innovation and scale you would expect from a EURO2bn organisation."

The refit will see the introduction of a 187-tonne furnace, curing ovens, cooling, cutting and milling equipment



being replaced and an automatic packing system installed. The capacity of work the facility holds will increase to 60,000 tonnes annually, making Superglass one of the largest manufacturers of glass mineral wool nationally.

The company saw a growth in its gross profit from 22% in 2017 to 37% in 2018, a testament to the excellent reputation the company has gained over the years. With increased sales volume, average selling price growth and operational cost efficiencies Superglass is flying well ahead of where forecasts predicted it would be. Chief Financial Officer Theresa McLean said, "The results Superglass achieved in the 2018 financial year are positive. Returning to profit following structural and strategic changes for the business is, however, just the start of the journey."

Both short term and long term plans for Superglass involve overseeing the increased volume production that the company's Stirling facility is capable of holding and ensuring that the transition into meeting a larger demand is smooth. As well as this, Superglass aims to create more integrated offers to the trade across both insulation and roofing industries. In October, Superglass attended the UK Construction Week at the NEC in Birmingham, and are regulars on the UK construction events circuit. For more information on Superglass and its products or to get in touch, see the details listed below.

**T 01786 402011**  
**[www.superglass.co.uk](http://www.superglass.co.uk)**



## ModPods



The coming together of two well established entrepreneurs has led to the creation of ModPods International. A forward thinking company that with a vast knowledge and decades of working in the social housing sector have gone that extra mile to develop a solution to the UK's housing crisis. Peter Farrell CEO and Andy Cornaby Managing Director of ModPods International have worked together to create a range of archetype independent homes that all exceed NDSS minimum living space standards. "The UK is waking up to the new innovative methods of construction and modular housing is gaining rapid momentum" says Andy Cornaby. Working in partnership with BMHT (Birmingham Municipal Housing Trust) Birmingham City Council's vehicle for managing its housing strategy, ModPods International have developed a state of the art desirable housing pod, with a spacious lounge, kitchen and two bedrooms a master bedroom and twin room.



ModPods are unique in that the housing pods are fully off site factory built and delivered to a pre-prepared site, lowered in to place and connected to the live services allowing the new occupant to move in within



the same day. Fully building control compliant, exceeding current thermal quality standards each pod is fitted out with quality in mind offering a safe, secure and comfortable environment, that are both affordable and a rapid solution to the housing needs of the public and private sector. Since lowering the first pod for BMHT on June 10th 2019 ModPods have grown from strength to strength and are set to move into their new manufacturing hub that will increase manufacturing productivity and volume to compete with demand.

T 02476 717999  
[www.modpodsinternational.com](http://www.modpodsinternational.com)



## Britlift

Britlift are a designer and manufacturer of lifting equipment, specialising in the lifting of modular homes, bathroom pods, commercial modules, containerised structures and pre-cast components. With a wealth of experience in the design and manufacture of lifting frames and lifting systems to the Offsite Construction sector, Britlift are the Offsite sector partner of choice.

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# Licence to Grill



Outdoor cooking is growing in popularity, and for good reason. There are few things that compliment a late summer afternoon as generously as that fragrant smoky aroma of a barbecue. However, don't for a second believe that alfresco cooking has to be limited to the warmer months, a hot meal is just as welcome on a cold winter evening as a grilled burger

is on a sunny Saturday in July.

Having an outdoor kitchen gives you the opportunity to indulge in preparing and cooking delicious food in a fun and unique setting all year round.

Cooking outdoors is an ideal way of entertaining guests, with the kitchen itself

being as much of a conversation piece as it is a tool. Patio heaters, furnishings and lights can all be added to the kitchen to produce an outdoor living area perfect for parties and social gatherings. By cooking outdoors you also keep any unwanted smells out of the home, not to mention enhancing the taste of your food.

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- Our customer base consists of timber importers and merchants as well as national chains of builders' merchants

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When grilling meat, fat drips off the protein creating a not only tastier outcome, but a healthier one too. Aside from grilling, outdoor kitchens offer cooking equipment such as teppanyaki plates and wood fired ovens, plus so much more.

Helping you achieve the outdoor kitchen of your dreams, is Kitchen in the Garden, a leading seller of the best brands of BBQs and outdoor cooking equipment with a product range broader than any competing company. The Surrey based company, incorporates all outdoor cooking technology to offer you a kitchen that works for you.

The company offers a free design service, wherein bespoke solutions can be found that compliment you, your lifestyle and your garden. Kitchen in the Garden has moved on from the American style outdoor kitchens popular in the 90s, and now offers European designs, greater in both aesthetic and material quality.



Kitchen in the Garden is unique in not only the breadth of its product range, but the attentive approach it adopts towards its customers. The company listens to you, and works with you to achieve an outcome that you won't be disappointed with. For more information on Kitchen in the Garden see the details listed below.

T 01932 862473  
[www.kitcheninthegarden.co.uk](http://www.kitcheninthegarden.co.uk)



# XL Joinery's new doorsets range



XL Joinery, the market-leading suppliers of doors and associated joinery products, has recently launched its expanded range of in-house manufactured doorsets in order to meet customer demand after significant investment in its state of the art premises.

Timber doorsets are no longer just being used in commercial projects and are becoming increasingly popular in residential settings. The new range boasts quality controlled and engineered doors and frames all of which arrive accurately sized and morticed for hardware, which helps saves time on delivery and installation.

#### Time is of the essence

Whether you are working on a new build or refurbishing an existing property, reducing time on the project is always a positive for everybody involved, starting from the supplier providing the product, right down to the customer's end experience. Opting for a manufacturer that offers one source of supply for a compatible door, frame, hardware, seals and glass means the length of time spent purchasing and installing the door should not be an issue.

#### Personal preference, whatever your style

It's of no surprise that when it comes to interior design, there are many varying opinions regarding styles and aesthetics, which is why we designed our doorsets to ensure that they are available across all internal doors within our range.



#### Safety first

Doorsets also offer a range of safer options, meaning that there is less risk of accidents to site installers. The frames, when supplied, are knocked down and have machined joints, enabling ease of fit and simple assembly, resulting in less risks during the

installing process.

#### Cost effective

Installing doorsets also saves a substantial amount of money, making it a more cost-effective alternative. Sourcing separate, multiple materials, such as the door, lining,

hardware and paint adds unnecessary costs, time and effort. However, a doorset provides all of these at one simple price point, taking out additional work and costs.

#### Contact

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

## Mandrex One-Click Hole saw System The Quick Release Arbor that fits all types of Hole Saw



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#### MIRROR DOOR SYSTEMS LTD

## CELEBRATE THE 25TH ANNIVERSARY AT MIRROR DOOR SYSTEMS LTD

In 2019 Mirror Door Systems Ltd celebrated its 25th Anniversary. Its history stems from its establishment in 1994, with over twenty years previous experience in stocking & manufacturing of components & systems, supplied to the home and office furniture fabricating industry.

Originally based with an administration off in Billericay (Essex) and a manufacturing unit in Telford (Shropshire), it gradually developed its positive reputation, range of quality made to measure sliding door products and services to an increasing portfolio of diverse customers.

In 2007, the company took a decision of relocating both operations to a new location in Wickford (Essex) with an increased capacity to furnish its future stock holding and manufacturing abilities to match its extended range of systems and service.

The range currently contains six different systems and a large range of selected colour finishes and coloured glass infills to meet the modern requirements of major New Home developers, specific projects and individual (home) bespoke made to measure design requirements.

Since its establishment, the company pursued a policy of producing to a high standard in its manufacturing & service. To underline that application, it can refer to the achievement of holding an ISO Quality Standard Registration, extending to its current enhanced category of ISO 9001-2015.

The company has also promoted a policy of environmental care in its use of products, manufacturing & disposal of the component waste. This has been enhanced with its decade of association with Essex Wildlife Trust.

+44 (0) 1268 573357

[info@mirrordoors.co.uk](mailto:info@mirrordoors.co.uk)

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

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- ▲ Herbicide Treatments to Full dig outs and removal from site

As a member of the Property Care Association (PCA) our surveys are recognised by mortgage lenders to

aid the sale and moving process. We offer Insurance Backed Guarantees to further insure our work to our clients. Over the years we have worked closely with residential clients aiding the moving process and with commercial clients who require full dig outs and removal of the contaminated soil to licensed waste transfer facilities.

Please contact us for more information on treatment programmes and Invasive Weed identification.

**T 01883 336602**  
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# demista®

Clearly Perfect

## Demista® The hidden Luxury

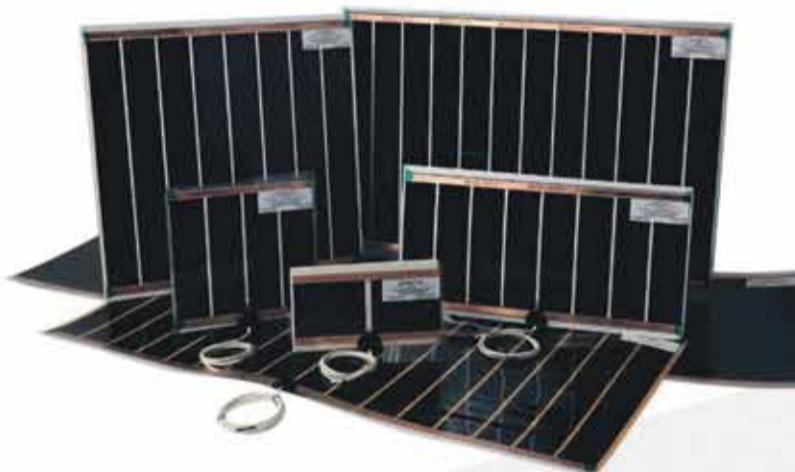
The Luxury items that first catch your eye in the bathroom could be the gold taps, the amazing rain shower, the marble tiles or the creative lighting. But the hidden luxury that every bathroom or En-suite cannot do without is the heated mirror pad.

The unobtrusive product from demista, ensures your bathroom mirror remains steam free at all times.

Often the first choice for designers, architects, interior designers and specifiers, demista has become the must have part of any bathroom or En-suite, as the system is probably the simplest and most adaptable item available around the world via demista's distributors.

Since the idea of the demista mirror heat pad was conceived steamed up mirrors have become a thing of the past in luxury hotels, prestigious housing and apartment developments around the world, and now being used in domestic new builds and renovation projects as a must have item because once the pad has been installed it saves time and money, as you do not need to keep cleaning your mirror with cleaning products.

With over 400 sizes available in various voltages means the heat pad can be installed anywhere in the bathroom or



En-suite, even on cabinet doors and vanity units. Demista has become the generic name for heated mirror pads, but to avoid imitations, look for the demista trademark on the product, all of demista's heat pads are completely manufactured in the UK and carry a 10-year warranty.



Safety, ease of installation, minimal energy consumption, quality, reliability, full technical advice and service are the key ingredients for our customers, with our pads fully approved for bathroom use to European and international standards, which meets all the requirements both in the UK and around the world.

Prestige projects such as The Ritz in Paris, The Royal Atlantis in Dubai, The Crosby Street Hotel in New York, The Sky View hotel and residences in Dubai, W Hotel Ibiza, The Crown Plaza in St Petersburg, Burj Al Arab and other luxury hotels and homes in India, Australia, Egypt, Barbados and Malaysia can be found in Demista's portfolio.

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Glenrothes  
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**E: sales@demista.co.uk**

Visit us online  
[demista.co.uk](http://demista.co.uk)

## The first 'Internet of Things' micro wind turbine

UK based wind turbine manufacturer, FuturEnergy Ltd have met the challenge of producing the first remote controllable micro wind turbine.



Good wind turbine sites are often remote and off grid. The nature of these remote location's present significant challenges to customers who are not always available to turn off a turbine in high wind conditions. AirForce Control solves this problem.

FuturEnergy's AirForce™ Control is a brand-new product that provides unparalleled performance monitoring and automatic system protection for their 3-Phase AC 1kW turbine system. FuturEnergy Wind Turbine systems are provided with a Davis Anemometer, which provides the system with both wind speed and direction information.

AirForce™ Control offers access to a Web-based portal providing remote control & configuration, along with trending of historical performance data.

When charge parameters are met, or other controlled parameters are exceeded, the turbine is automatically stopped and restarted when conditions return within operational limits or further battery charging is required.

Wind turbine applications include:

- ▲ Battery charging for distributed power
- ▲ Power for emergency lighting
- ▲ Thermal heating
- ▲ Accessible power where grid connections are not possible
- ▲ Remote Telecoms/IT back up power/CCTV

For more information, call 01789 450280, email [sales@futureenergy.co.uk](mailto:sales@futureenergy.co.uk) or visit [www.futurenergy.co.uk](http://www.futurenergy.co.uk)



## What's bugging you?



With the launch of Bond It's new 3 in 1 Wood Treatment in to their Drive Alive Range of products, you certainly won't be bothered by woodworm or termites.

A ready to use, 3 in 1 microemulsion universal wood preserver that kills active woodworm and termites, 3 in 1 Wood Treatment protects against re-infestation and wood rot.

This latest addition to the company's Drive Alive range of surface treatments, not only boasts zero volatile organic compounds (VOC's), but is water-based, non-flammable and quick drying. Based on a combination of fungicide and insecticide formulations it effectively eradicates and prevents attack by wood boring insects and wood rotting fungi.

Supplied ready to use in an eye catching 5 Litre metal tin, it is also certified to European and British Industry standards.

Commenting on the subject of new products, Kirstie Cooper, marketing manager, said: "Bond It continue to focus on developing more products to complement our existing range and we felt this was a good fit with the treatments from our Drive Alive range currently on the market. We felt now, during the summer months, was the perfect time to launch this new addition as woodworm is most active between May and October. This is a fabulous DIY product for anyone concerned about wood infestations!"

[www.bond-it.co.uk](http://www.bond-it.co.uk)

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FENSA



myglazing



# Light, space, style: your home renovation expert



Manufacturing and designing innovative glazing systems, 1st Folding Sliding Doors works closely with established manufacturers, offering both UK and offshore designed systems with lead times as short as one week. The company boasts over 15 years' experience in overcoming the technical difficulties involved in the design, manufacture and installation of bespoke products, and is dedicated to working through any technical issues a builder, architect or project manager may have.

This expert technical support is in addition to the company's team of fully trained in-house installers and expert support services for its trade customers, which combine to ensure that 1st Folding Sliding Doors offers the best overall package available in the market today.

"I think one of our key advantages is that we always try and think outside of the box," explained Darren Johnson, Web & Social Media Manager. "We often do things that others might not; because we're a smaller company, we have the flexibility and freedom to do this. Our manufacturing processes can be highly versatile, producing made-to-order products, and we work very closely with our customers. We offer a free site visit to ensure that everyone is on the same page and part of the conversation; this guarantees that we will create the right solution for every customer."

Indeed, 1st Folding Sliding Doors is an excellent choice for architects and property developers looking to add a unique and sophisticated touch to home renovation projects. "We want people to ask questions and enquire about what we do; we love a challenge, and want to help our customers achieve their vision."

The sheer quality of 1st Folding Sliding Doors'



products and services is proven in its membership of the Glass & Glazing Federation (GGF), FENSTER and it is using their 10-year insurance backed guarantee to better serve its customers and their project teams. As a subsidiary of GGF, GGFi is a leading provider of Insurance Backed Guarantees on behalf of the home improvements industry, and it has built a stellar reputation over the last 15 years. Without a doubt, GGFi offers homeowners guaranteed protection and peace of mind in their investment, so they can focus on creating their architectural vision.

What's more, 1st Folding Sliding Doors is part of the FENSA scheme, which allows companies that install replacement windows and doors to self-certify compliance under government building regulations, without the need for a separate assessment from Building Control. This is yet another reason why working with 1st Folding Sliding Doors will ensure an efficient and pain-free experience throughout the life of a project.

"Some recent products have been our brand new pivot door for external usage," said Darren. "Not many companies are offering external pivot doors as they can cause difficulties with keeping water out, however ours are weatherproof. We've also

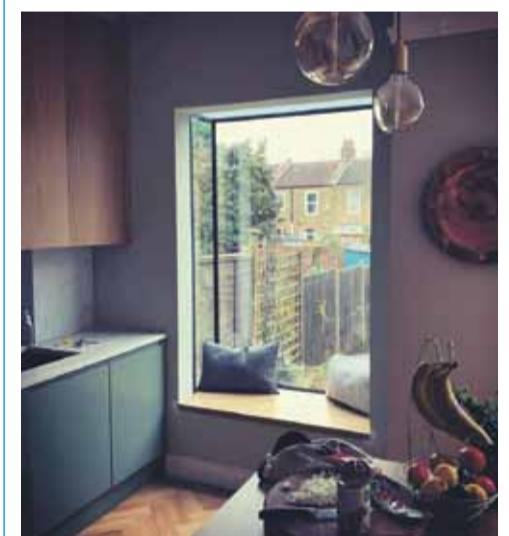
released a range of crittall-style doors made from aluminium, rather than steel, but with the same heritage look. Our design department is currently working a number of new and exciting products, including a piston operated manual skylight, which avoids the need for electrical operation," Darren said.

1st Folding Sliding Doors attends a number of trade shows each year, attracting increasing levels of interest every time. The company regularly attends the Grand Designs Live show in Birmingham, and the Ideal Home show at Olympia, London.

If you would like to find out more information on 1st Folding Sliding Doors' full range of products and expert services, head to the website. Here, you can also see some stunning images of the company's past and current projects, to help inspire your next architectural project.

Alternatively, don't hesitate to get in touch using the contact details below to discuss your needs.

**Contact**  
T 0208 997 2448  
[www.1stfoldingslidingdoors.co.uk](http://www.1stfoldingslidingdoors.co.uk)



Building and Construction Review is proud to announce that 1st Folding Sliding Doors has been chosen to receive our Commitment to Excellence award, for its dedication to pushing the boundaries of architectural glazing.

Established in 2004 and based in west London, the company offers bespoke glazing solutions, including sliding doors, bi-folding doors, glass roof structures, windows, and frameless glass balustrades. These are perfect for both residential and commercial applications, helping to transform an environment and enhance the relationship between the inside and the outside of a building. Indeed, 1st Folding Sliding Doors offers unparalleled advice to ensure that the correct products are chosen to maximise the bespoke design its customers are hoping to achieve.



## George Barnsdale to supply windows for former Dickensian Workhouse

George Barnsdale is delighted to announce it has been chosen to manufacture and install the timber windows for a renowned Grade II listed former workhouse building in Fitzrovia, London. Part of the Bedford Passage Development, the project is being undertaken by University College London Hospitals Charity to provide mixed residential and commercial accommodation. The Strand Union Workhouse is said to have been used by Charles Dickens as inspiration for his 1837 novel Oliver Twist and was listed Grade II in 2011. A total of 119 timber box sliding sash single and double glazed windows will be designed

and manufactured by George Barnsdale in the company's Lincolnshire factory alongside some timber flush casement windows and doors. The company's installation team will fit them this autumn/winter. Commenting on the project, Steve Dixon, Sales Director said "We are delighted to have the opportunity to work on this exciting development. We have delivered timber windows and doors on numerous projects throughout London but this has very special provenance with its links to Dickens and Florence Nightingale. We really do pride ourselves on the part we play in bringing these historical buildings back to life with

our bespoke products."

George Barnsdale's experience with such commercial projects is extensive and a vast amount of thermal and acoustic data is held by the company from the research it has conducted on behalf of clients. As a result, the team is able to offer the optimum solution in terms of performance whilst retaining the original aesthetic of the building.

**T 01775 823000**  
[enquiries@georgebarnsdale.co.uk](mailto:enquiries@georgebarnsdale.co.uk)

**GEORGE  
BARNSDALE**  
Est. 1884

## Avoiding landfill & saving millions



As landfill taxes rose above £90 for the first time earlier this year, there is now more pressure than ever to recycle waste materials. More efficient recycling schemes across the UK has meant that, despite the rising costs of landfill, the amount of money it generates has lowered by almost £300m since 2014.

Earlier this year Dunton Technologies were contacted by a remediation contractor that had been awarded a contract to assist with the redevelopment of a former gas works. The 16 acre brownfield site used to be home to two large gasometers, which were demolished back in 2016.

Dunton were called upon to provide their expertise in the disposal of potentially hazardous waste soils that were to be excavated from the land. Of course, with large sites, the significant volumes of waste material mean that even the saving of a few pounds per tonne can end up



equating to tens of thousands of pounds by the end of the project. This is where Dunton's vast experience in the handling of hazardous materials, combined with their strong network of UK waste treatment facilities, ensures that the client will always benefit from the most cost-effective distribution of the waste.

Dunton's Environmental Manager for this project, Adrian Jefimuk writes:

"Whilst saving our clients money is a primary focus of our waste disposal services, we find that the main reason many of our customers choose Dunton is due to a solid reputation for ensuring 100% compliance with every tonne of material we handle. We understand the importance of providing a trustworthy and reliable service in order to provide our clients with peace of mind."

Having worked closely with our client since May, Dunton have already handled over 4000m<sup>3</sup> of waste soils, saving the client over £700,000 in landfill taxes.

[www.duntonenvironmental.com](http://www.duntonenvironmental.com)



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Example applications: battery charging - water heating - remote lighting - space heating

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## Screwshop

NE Fasteners Limited is a family owned company with over 30 years' experience, primarily specialising in screws fixings & fasteners for the DIY, hardware, building, joinery and furniture manufacturing sectors. NE Fasteners prides itself with offering expertise, competitive prices from local and internationally sourced standard and bespoke products.

More recently, Screwshop has evolved from its established sister company, NE Fasteners and has also proven a huge success with its online shop.

Situated in a 7,000sqft warehouse in Cradley Heath in the West Midlands, we are able to provide a wide range of finishes, including zinc, electro brass, black chrome,

satin chrome, bronze and nickel, and packaging options, ensuring that many buyers consider us to be a key and valued supplier.

With friendly and experienced staff, our aim is to offer excellent service with our next day delivery service and give an opportunity for our customers to let us manage all fixings, fasteners and component requirements competitively.

**Screwshop has a trade counter which is open daily 8am-4.30pm. Have a look at our online shop [www.screwshop.co.uk](http://www.screwshop.co.uk), or give us a call on 0121 559 8866 with your enquiries and we will give you our best attention and prices at all times.**



## nuie brochure launching January 2020



Exclusively designed for everyone, January 2020 will see the official launch of nuie. Building on the Roxor Group heritage of quality bathrooms, nuie showcases a range of on-trend bathroom products, holding the belief that everyone deserves a beautiful bathroom.

Keeping value and style close to their heart, nuie consider every detail when it comes to bathroom design, making sure to not overlook even the smallest details. Every curve, edge and tap are carefully selected to give customers the bathroom choice of dreams.



As part of Roxor Group, the nuie Bathroom Collection consolidates a range of sleek minimalist products with traditional styles, making the collection inclusive for all design preferences.

Believing that you shouldn't compromise when it comes to your dream bathroom, nuie's offerings suit any household arrangement. Whether you live in a cosy flat or roomy townhouse, the newly launched brand covers all aspects of bathroom design. From trend setting wetrooms to shiny brassware, nuie focus on the finer details with their January brochure boasting a range of carefully selected products.



Accompanied by a range of household accreditations, nuie ensure all products are manufactured to the highest quality and offers competitive guarantees. Nuie are also proud to be members of the Made In Britain scheme.



Visit <http://nuiebathrooms.com> for more.

# nuie

BATHROOM COLLECTION

January 2020

## Bathrooms to inspire



### Exclusively designed for everyone

FIND YOUR OWN IDEA OF PERFECTION

Whoever you are, wherever you live,  
you deserve a beautiful bathroom.

[nuiebathrooms.com](http://nuiebathrooms.com)

## Rapierstar: Giving you the edge



Building and Construction Review is proud to announce that Rapierstar has received our **BCR Recommends Award**, for its outstanding range of market leading fasteners and fixings.

Established in 1992 by David Furness, Rapierstar is based in Macclesfield, Cheshire, supplying specialist screws and fixings to the UK and Ireland fenestration industry. This covers around 70% of window and door manufacturing, installation and refurbishment, with clients ranging from small independent companies to large multinational distributors and manufacturers. Committed to maintaining only the highest standards, Rapierstar specifies and sources from well-respected ISO accredited manufacturers, in order to distribute high quality and competitively priced products.

"Rapierstar is the only specialist fastener supplier in the UK window and door industry, with over one billion items held in stock in our 100,000 ft<sup>2</sup> warehouse," explained David Furness, Managing Director. "This keeps window and door suppliers on stream with the fasteners they need across their different products types, with coated carbon steel, martensitic stainless steel and the high performing austenitic stainless steel fasteners all available to meet every application."



"Products are designed and manufactured to exacting quality standards. In addition to manufacturers' commitment to excellence, Rapierstar also invests in a comprehensive in-house UK test centre with specialist fixings available next day for customers."

Without a doubt, Rapierstar is synonymous with experience and quality, offering outstanding services underpinned by an industry-leading technical support team which boasts a collective experience in the fastener market of over 150 years.

Some of Rapierstar's specialist branded fixings include STARPVU high corrosion resistant carbon and stainless steel window screws, which are specified on numerous leading fenestration systems, and STARALU self-tapping stainless steel fixings for aluminium systems. The company's high quality product range also features STARFIX plug-free masonry fixings, STARTURN universal timber screws,



STARDECK specially developed exterior decking screws and STARPIN and STARNAIL stainless steel polymer headed pins and nails. Currently, Rapierstar is developing its 100,000 ft<sup>2</sup> warehouse in Cheshire further in order to incorporate a teaching and seminar centre, proof of its dedication to adding true value to the industry. Indeed, since its inception, the company has strived to establish and maintain a position of leadership in the supply of fixings and building products throughout the UK and Ireland, a feat which Rapierstar is in no doubt achieving, and will continue

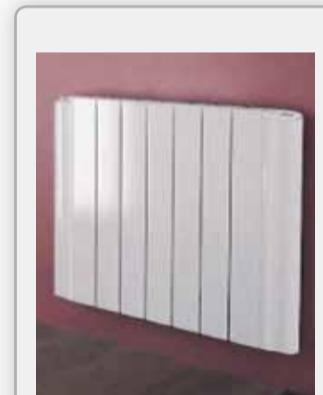
to achieve in the coming years.

If you would like to find out more information on the company's full range of products and services, head to the website or get in touch using the contact details below.

Contact  
T +44 (0)1260 223311  
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[www.rapierstar.com](http://www.rapierstar.com)



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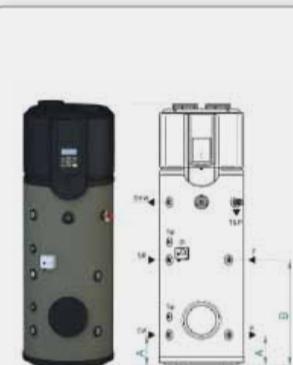
Radiators



Wireless Home Heating



Industrial & Commercial



Air Source Heat Pumps

Heat Genie are committed to bringing our customers the very latest in heating technology, combined with unparalleled customer service. Our new generation of electric radiators combine quality with reliability and offer a cost effective way to heat your home or office.

The days of unattractive bulky storage heaters is a distant memory, our electric radiators are available in a variety of designs that suit modern or

traditional decor alike. Unlike traditional gas central heating there is no ugly pipe work and you can position our radiators almost anywhere – even in your bathroom.

If you are looking for a cost effective, money saving, eco friendly and state of the art solution to home heating **contact our sales team today on 01789 459 455** who will be pleased to help you in finding the perfect electric radiator for your needs.

# Heating space efficiently and cost effectively



Infrared heating is one of the most cost effective heating systems available, efficiently converting electrical energy into far-infrared heat.

It keeps you nice and warm in exactly the same way the sun works and doesn't waste energy and money by heating empty space.

Infrared heating will save money on day-to-day heating costs and provide a more comfortable retained heat.

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- ▲ **Instant heat** – Infrared heating acts very quickly

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**UK Manufactured**

**Healthy** – Better for allergy sufferers, noise and odour free

**Flexible** – Solo use for difficult to heat rooms or whole heating system

**Smart** – Variable thermostats and possibility to zone only small areas

Jigsaw Infrared are a family business based right here in the UK, we care about our products

and our customers, ensuring every install uses its maximum potential.

The Jigsaw **Difference**

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- ▲ Professional installation service
- ▲ UK manufactured products
- ▲ Customer support from start to finish
- ▲ Premium range of infrared products
- ▲ National team of infrared experts

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

## Working towards zero pollution & carbon

Radio Data Networks (RDN) was founded in 2010 and is backed by over 30 years of experience across the water, wastewater, environmental, utility and transport sectors. RDN's founder considers themselves as a pioneer in radio telemetry, remote monitoring and IoT solutions to prevent pollution, reduce leakage, improve efficiency in water distribution, and cut global warming.

"It's all about smart sensing to detect issues and mitigating their effects, and automating the process to deal with them," explained Brian Back, Founder and Managing Director. "Take Drainage and Sewers, they are the primary source of plastics and micro-plastics entering our rivers and seas. By regulating their flows, we can drastically reduce the amount of plastics spilt, far more cost effectively than banning carrier bags, fabrics with plastic fibres, plastics cups, wet wipes or trying to fish them out afterwards."

"Our practical experience is a real advantage, enabling us to develop solutions that generally work first time without spending years researching. We do nearly everything in house, and we're proud to focus on UK-based manufacturing and using just in time techniques. We pride ourselves on ensuring that the equipment we design can be retrofitted, reducing disruption and making it easy to install, all of which results in substantial cost saving for our customers."

One of RDN's most recent innovations is its Sewer Flow Regulator (SFR), which was first conceived back in 2018 and underwent trials throughout 2019 and has already won a prestigious position in the UK Construction Industry Innovation Zone at last September's show, and now is entering commercial service with one of the top UK water utilities. The SFR is solar powered and uses wireless communications to eliminate the need for cabling. The regulator also offers significant advantages over penstock valves in that the assembly can be installed into existing sewer inverters and has retraction tools to enable removal and service from the surface without the need for confined space entry, a big H&S plus!

In use, a strategically deployed Sewer Flow Regulator can be used to lower the cost of connecting new housing developments to existing sewer networks by restricting the flow from the development at peak load periods.

"We're now looking at the broader applications of these Sewer Flow Regulators, and developing more solar and/or battery powered wireless devices to help eradicate one of the primary barriers in the construction industry, providing mains power and eliminating the need for cables," Brian concluded.

RDN is also a founding member of the Zero Pollution Network, a group of businesses and individuals that are striving to play an active role in the battle against aquatic pollution. If you would like to find out more information, head to the website or get in touch using the contact details below.

T +44 (0)1279 600440  
[info@zero-pollution.net](mailto:info@zero-pollution.net)  
[sales@radio-data-networks.com](mailto:sales@radio-data-networks.com)  
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## Mellor & Mottram services

### Restoration

Treading softly to avoid disturbing ancient fabric

Some of the most complex church heating installations are when the heating of a historic church needs to be replaced. In many instances the existing boiler is of the Grundy type of oil-fired boiler.



### Renewables

Green energy for churches and other public buildings

The way of the future with heating systems in churches and other historic buildings is with renewables. Mellor and Mottram have been at the cutting edge of this green revolution with the installation of a number of renewable systems in a variety of buildings.



### Servicing

Keeping the system up to scratch

Having had a brand new heating system installed at your church, it is important to keep the system maintained and up to scratch, in order to ensure its safe operation and to maximise savings on fuel. The most economical way of doing that is by way of a Service Contract.



### Commercial

Applying our expertise across other sectors

Although Mellor and Mottram are specialists in church heating, they have significant expertise in the installation of heating systems in commercial and industrial premises: indeed the company began life as a commercial heating company.



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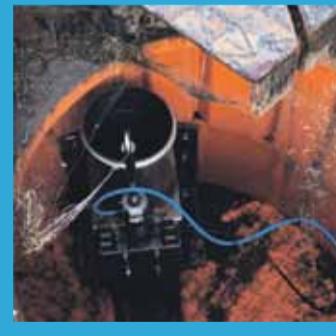
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## Integrity, knowledge, experience

Since its formation in 1992, The Guild of Builders and Contractors has set the standards of quality and integrity in the UK's building industry. Created by a team of 14 builders, the Guild was founded with the aim to create a group of reputable firms and individuals who are actively involved in the building industry, and who boast the highest levels of experience, knowledge and integrity.

The Guild also wanted to provide appropriate services to members and ensure costs of membership were considerably less than other trade organisations. It features two levels of membership. The first of these is Corporate Membership, which is open to builders, specialist contractors, construction consultants, builders' merchants, and building component suppliers. These members can use the membership badge or logo on their stationery, signboards, vehicles and any other promotional materials, to advertise the fact they feature the high levels of quality and integrity that are synonymous with

being a member of the Guild. The second type of membership is Personal, which is open to those who are actively engaged in the building industry.

As well as being able to feature the Guild's badge on your company's digital and physical materials, membership also offers a vast range of additional benefits. Apart from providing professional status and ensuring you are instantly recognised as a reliable, experienced, and knowledgeable professional, members also receive a certificate and promotional material free of charge. Furthermore, the Guild's experienced staff can offer advice on a wide range of subjects associated with the building industry and commerce.

Moreover, corporate members' full details are available on the Guild's website, which is regularly used by potential clients, meaning members can benefit from increased numbers of

business referrals. The Guild also represents the collective views of members when speaking to the press, and provides regular news and information updates on its website.

In addition to this, members can take advantage of a members' advice service, which provides help with a range of issues including health and safety, terms of trading, employment, insurance and much more.

Firms and individuals are readily invited to apply for membership, and membership forms can be obtained from the website or via telephone, email or fax.

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## Breathe easy



Thermal insulation isn't only about keeping buildings warm in winter; a quality system will also ensure walls remain pleasingly cool in the summer heat.

This dual performance is essential to creating year-round interior comfort for the long-term health and wellbeing of occupants.

The most effective method for creating a healthy living space is to optimally insulate the façade – the better the insulation, the more comfortable the space will be. The specification of quality External Wall Insulation (EWI) can help achieve this desirable level of interior comfort. It's a solution that is particularly effective in multi-occupancy properties.

Applying a non-breathable renovation system to a building causes what might be referred to as the 'plastic bag effect' – walls can become cloaked in condensation from non-escaping vapour. To create a breathable outer layer for buildings, an EWI system topped with a silicon-based finish render preferable. Water-repellent, stain and weather resistant, such a system provides a robust white or coloured façade, whilst optimising occupants' living environment. Silicon-based finish renders are also suitable for use without EWI, and can easily applied to mineral renders old and new, providing a decorative, vapour-permeable topcoat that makes for an attractive exterior.

There are a couple of very good reasons for choosing EWI over interior insulation.

Unlike the interior option, floor space isn't compromised with exterior insulation. A few millimetres less living room in a building containing multiple flats and potentially hundreds of walls, for instance, amounts to a sizable loss of space, which for private landlords could mean a reduction in income.

EWI also removes the dew-point from the inside of a building to prevent condensation forming. Systems containing unique perforated Expanded Polystyrene (EPS) façade insulation boards ensure high vapour permeability, resulting in the release, rather than the entrapment, of water vapour. This has the added benefit of having no effect on a building's airtightness.

The development of innovative self-cleaning topcoat renders containing 'photokat' photocatalysis technology provide optimum protection against contamination using the power of light.

Such systems, when enhanced with a superior quality primer for pre-treatment of hard or non-absorbent mineral substrates, and the aforementioned EPS boards, increase a structure's 'breathability'. This collective solution also offers outstanding levels of insulation when applied as part of a new-build or refurbishment project. In short: EWI improves the aesthetics on the outside and the building's thermal performance without affecting the interior space.

If you need any help with your next project, get in touch:



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Brickfab create the best prefabricated building products on the market through innovation, investment and consistent quality, making it easier than ever for their customers to build quickly, efficiently and safer, with great long-term performance. Working to the principles of lean manufacturing and continuous improvement, Brickfab differentiates itself through service, innovation, quality and commitment.

Their vision is to be the first choice for their people, customers, suppliers and investors. To enable this, their whole approach is fair, honest, hardworking and innovative. The company has grown to 80 employees and serves many of the UK's national and regional housebuilders, builders' merchants and architectural practices to build better homes. The team supports clients with excellent customer service, regular meetings with procurement stakeholders and site visits to ensure their customers are able to have input to product design and Brickfab fully understand customer needs. Minimising customer effort, Brickfab offer free-of-charge takeoffs, 2D/3D CAD drawings and competitive prices.



Whilst being a market-leading manufacturer of brick products, the company also incorporates Brickfab GRP Products. Backed by BBA & CGFMA certification and their own 10yr warranty, their brick-effect GRP chimneys are complemented with render and stone effect finishes. The speed and ease of install is further helped by factory fitted lead to provide a complete chimney for site. Brickfab are the only UK manufacturer proudly able to offer both BBA and CGFMA certificates on both brick-clad chimneys and full GRP chimneys.

With dormer and bay roof options, the GRP range is completed with a range of 4no door entrance canopies; a variable width flat canopy, a variable width decorative flat canopy with kneelers, an apex canopy and a mono-pitch canopy. The latter two can be made ready for tiling on site or with a GRP roof.

Sales Director Robert Evans explained, "We keep things simple for the customer, working hard on product quality, product design and a consistent, prompt delivery aim. It's about ensuring the customer has a design they literally approve of, followed by the delivery of great products when we said we would. Our expertise and manufacturing capability means we're able to design solutions for site or translate drawings into prefabricated products. Either way, we help builders build"



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## Full support from Redbacks Cushioning

Redbacks Cushioning Limited was formed by Chairman Cliff Lockyer in 2011 in order to develop a new cushioning technology designed to help protect knees and body from injury whilst kneeling.

Despite the wide availability of kneepads over many years, there were still high numbers of people working on their knees suffering pain and damage. Clearly there was a need for something new and more effective.

Having thoroughly researched the protective clothing market, it confirmed Cliff Lockyer's belief that existing knee pads did little to cushion, comfort or protect the user's knees or the body from long term damage.



Says Lockyer, "We discovered then that statistics were even worse than they are now with the NHS carrying out over 106,000 knee replacements per year and 9.6 million adults in the UK suffering from musculoskeletal (MSK) conditions affecting joints, bones and muscles. We knew that for our knee pads to be really effective they needed to be made with soft, flexible material and not foam or gel, as pressure from kneeling causes them to eventually flatten or disintegrate."

The secret to our own science therefore lies in the use of a special moulded leaf-spring suspended in an arch by a flexible honeycomb matrix. When pressure is applied directly above the spring it bends, dispersing pressure and distributing weight evenly. The matrix provides a holding mechanism for the spring to control its bend and stabilise the entire structure, allowing pressure to be distributed evenly time after time.

The honeycomb matrix and the leaf-spring are made from the same thermoplastic injection-moulded material, ensuring a high compression rate which unlike foam or gel ensures a 100% recovery to its original shape;

the combination gives the unique controlled distribution and deceleration of pressure thus protecting the rest of the body from the impact forces whilst kneeling giving the wearer unrivalled, all-day comfort and long-term knee protection, with the added benefit of helping to prevent back and neck pain".

Using precisely the same technology the company produces two versions of kneepads, one which is curved to fit comfortably around the knee and slide easily into work trouser pockets and a strapped alternative which is offered with a choice of

Neoprene strap fastenings - buckled, for use in dusty conditions and 'loop & hook'; they have a water resistant cover and are designed to be worn on bare skin without chafing, or over trousers, whilst ensuring that they stay in the correct position when kneeling, walking or sitting. Both the Redbacks pocket and strapped kneepads have a soft, breathable, inner fabric that wicks away sweat whilst providing thermal protection from warm or cold surfaces. The company has also introduced a Kneeler pad which has multiple applications in and around the home and office as well as being a practical, every-day 'tool' for many trades

and professions.

The 'Redbacks Kneeler' features 28 multi-directional leaf-springs giving all-round pressure-distribution and knee and body support; comfortable to kneel, sit and even stand on for short or long periods it is non-slip, waterproof, penetration resistant, easy to carry and as with all Redbacks products, washable at 30c and 100% recyclable. Redbacks Cushioning Limited is a member of and has won a number of awards for its kneepad design, one of the most significant being the prestigious SATRA Best Innovation Occupational PPE Award in 2012; professional tradespeople who are readers of some of the UK's leading trade publications have also voted in nationwide polls for Redbacks as award winning products. All Redbacks Cushioning products are patented worldwide.

For more information and to order visit  
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## Knee and body protection from Redbacks Cushioning

Redbacks Cushioning Limited, developers of the award winning, 'Leaf-Spring' cushioning technology offers a range of products to help protect the knees and body from damage caused by kneeling. The Redbacks Pocket Kneepad, specifically designed to fit work trousers, features a flexible leaf-spring held within a thermoplastic honeycomb matrix which unlike foam or gel ensures a high compression rate and 100% recovery to its original shape.

This combination and the inherent 'memory' aspect gives unique controlled weight distribution; the deceleration of pressure protects both the knees and body from potentially damaging impact forces and gives long lasting, anti-fatigue support; traditional

foam or gel solutions create point-pressure which focus the force or energy to a point which is then transmitted back into the knee joint and beyond.



Easy to slide in and curved to fit comfortably around the knee, the water-resistant pads which conform to CE EN14404 Type 2 Level 1 help to protect against possible injury from sharp objects, wick away sweat and provide thermal protection from warm or cold surfaces; they are machine washable at 30°C and 100% recyclable.

For more information visit  
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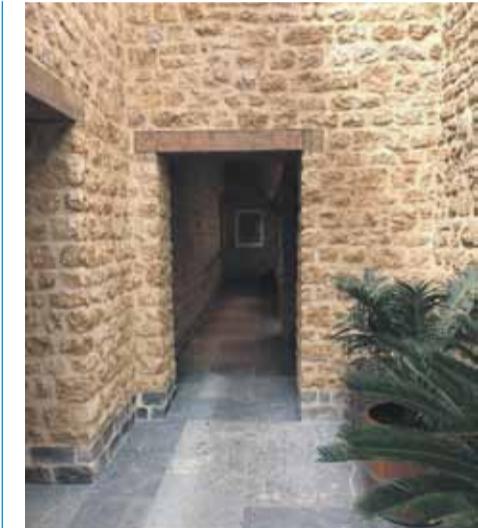
## Hadspen Quarry

Hadspen Quarry has launched a range of Blue Lias flooring, worktops, wall tiles, cobbles and much more. Excavated directly from one of their two quarries in Somerset, Hadspen Quarry is a family run business with a keen eye for detail ensuring you get the quality needed for your project.

The versatile and luxurious qualities of British limestone means it can be combined with other materials throughout any project to create spaces that are unique, organic and well designed. Natural stone lends itself incredibly well to interiors. It never goes out of style and the recent boom in the use of natural British stone is the proof in the pudding.

Hadspen Quarry's range of Blue Lias Flooring, Wall Tiles, Flagstones, Walling Stone and Cobbles have been used in prestigious developments across the UK. They supply and deliver custom-made Blue Lias flooring for customers across the UK.

The leathered blue lias is a good match for time worn flagstones, while the flamed & brushed finish is a new flagstone look. The two honed options, either marble or fossil bed provides a contemporary finish.



For expert advice for the perfect stone for your project, call on 01963 351205 or email [info@hadspenquarry.co.uk](mailto:info@hadspenquarry.co.uk)

## 'X-TREME' 4-WAY STRETCH FLEXIBLE COMFORT FROM ENGEL WORKWEAR

Recognised for its comprehensive range of well fitting, stylish and practical workwear, Danish manufacturer ENGEL build further on their reputation in the UK with the introduction of their new 'X-Treme' 4 - Way Stretch' work trousers.

Designed to allow as much flexibility as possible whilst kneeling or bending, the slim-fit trousers feature a 4-way stretch 'breathable', cooling fabric which quickly absorbs and dries light perspiration.

The knee-pad pockets are reinforced with hard wearing Kevlar Teramid and have two options for pad height adjustment; in addition to the many useful pockets for keeping essential tools and accessories immediately to hand, some of which have either Velcro or zip closures, optional hanging tool pockets can be attached to the waist; the trousers also have extra deep hems so that lengths can be increased if required.

Made from 73% nylon, 17% cotton and 10% elastane, the 'Engel X-Treme 4-Way Stretch' work trousers are available in a variety of colour combinations and in all popular sizes.

For more information contact Gareth Bladen -  
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## A guide to reducing ligature risks



A new guide on anti-ligature solutions in mental health and secure sectors is now available to download.

A need has arisen for psychiatric wards, high-security units, and prisons to reduce ligature risks, which is currently accounting for 77% of suicide cases in the UK.

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## Why do we need MVHR?

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Modern energy efficient houses are being built with ever increasing levels of airtightness (with a Passivhaus being an extreme example). This minimises the amount of energy lost through a leaky structure but without ventilation it would mean that the accumulation of humidity, VOCs and smells would make a house uninhabitable. Traditionally ventilation is provided by trickle vents and single hole-in-the-wall fans but this leads to heat loss as it is uncontrolled, unreliable and inefficient.

Mechanical Ventilation with Heat Recovery (MVHR) provides a continuous supply of fresh warmed air by extracting the warm, damp, smelly air from wet rooms and kitchen. This air is passed through a heat exchanger and exhausted to the exterior. Simultaneously, fresh air is drawn in from outside and passed through the heat exchanger in the opposite direction where it is warmed by the extract air going out.

The argument for MVHR is an economic one as it can provide fresh air with minimal heat loss, thus making

a well insulated, airtight house habitable. However it is becoming increasingly apparent that there is equally important case for maintaining Indoor Air Quality

(IAQ). The removal of stale damp air means condensation and mould are eliminated and the house is so much cleaner as all incoming air is filtered. We receive regular comments from occupants of houses with MVHR saying what huge difference it makes to IAQ and that it alleviates symptoms of asthma and eczema. Once you have lived in a house with MVHR, you wouldn't want to live in one without it.

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## Zoo Architectural Hardware



Zoo Hardware Ltd are designers and suppliers of architectural door hardware including door handles, knobs, locks, cylinders, door closers, hinges and more. All of their products are produced to the highest quality in aluminium, brass, steel and zinc.

Every item they produce is selected for its quality and value for money and they never compromise quality for cheaper prices. Zoo Hardware are confident in their belief that they can offer some of the highest quality products at the most competitive prices on the market.

Their in-house design team is fully qualified in all aspects of design and production and they constantly aim to supply innovative, stylish and cost-effective hardware solutions settling for nothing less than top quality. Design facilities at their head office means they can create, manufacture and deliver state-of-the-art products to stay in-tune with current design trends and ahead of the competition.

The Zoo Hardware product ranges cover all aspects of architectural ironmongery, including: **Vier** – a precision design range of levers, hinges, door closers, DIN locks and cylinders created for the exacting needs of Architects, Specifiers and Contractors; **Fulton & Bray** – traditional and classic brass door hardware and accessories ideal for period and contemporary properties; **Rosso Maniglie** – an Italian inspired zinc designer lever and accessories range perfect for home owners and housebuilders; and **Foxcote Foundries** – a wide range of traditional black antique door furniture and window fittings.

**View their full range of products at:**  
[www.zoohardware.co.uk](http://www.zoohardware.co.uk) or call one of their friendly sales team on: +44 (0)1228 672900 to discuss your requirements or to request a catalogue.

## Optimise Your Marketing Potential with Fiona Ellingham at Opportunity Marketing



Opportunity Marketing was first established in 2008, designed to fill the gap in the market for strategic support for SMEs requiring marketing guidance. 11 years later and the company has gained unprecedented growth since its inception, responding to the needs of the market and broadening its team of marketing consultants.

Opportunity Marketing delivers an array of marketing focused services, tried and tested and applicable to help virtually any business. Providing a complete marketing consultancy solution alongside short term solutions and assistance services, Opportunity Marketing offers a selection of marketing packages, designed to assist clients with marketing strategy, marketing implementation and marketing mentoring. "The service we provide allows companies to take a step back, review the company and gain a new perspective. We challenge them to answer questions that they've potentially never even thought of and help them see the 'wood for the trees' giving them a fresh pair of eyes and

helping them to understand their next direction as business," said Fiona Ellingham, Marketing Consultant.

Delivering an extremely personal consultancy service, the company provides a varied selection of services including marketing consultancy, marketing health check audit, fast track marketing plan and full marketing strategy. "The marketing packages enable businesses to understand their marketing challenges and help them to create, implement and execute strategic marketing plans," Fiona said. "Our services cover key areas of business and, depending on the service and packages that the customer wants, we can build reports, 12-month plans and even analyse their website and give them input on website structure."

In August 2019, Fiona Ellingham joined the ever-expanding company as a Marketing Consultant. Through Fiona's extensive experience working in the marketing sector for over 20 years, she has assisted a variety of businesses with their marketing needs, supporting across service development, customer communications, brand management and product life-cycle development.

Fiona's consultancy services cover Surrey, London and the South East. With an approachable and friendly personality, Fiona understands the needs of her clients and is able to analyse and interpret her clients' unmet needs to help them to develop a bespoke strategic marketing plan. "It's a personal service and we become almost a part of them," Fiona continued. "Through this process we work closely to understand the company and their marketing needs so, in a way, we become an extension of their company."

As we move ever closer to the start of 2020, Fiona explained the importance for businesses to begin to learn how to optimise their marketing potential for the upcoming year. Fiona explained that, "I think that an extremely important time for marketing strategy for businesses is in December/January. I'm keen to help any company to assess what the company wants to gain from the New Year in terms of creating more enquiries, awareness, profit and exploring new markets. It's a great time for businesses to consider their marketing strategy, to help them evaluate where they are now as a business and where they need to be. Clients we have worked with throughout 2019 have seen a significant uplift in performance and now recognise their marketing potential for 2020. I'm currently offering a 15-minute complimentary telephone consultation for any business looking for help."

As for Fiona's focus for 2020, she states that constant organic growth is something Opportunity Marketing strive to continue and that "for me personally, my aim is to continue to help businesses deliver the results they need to be successful."

**To check out more information about Fiona:**  
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► 25

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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 3720 m<sup>2</sup> (40,000 ft<sup>2</sup>) 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, is available digitally on [www.hauraton.co.uk](http://www.hauraton.co.uk). – under the SPORT tabs.

**SPECIFICATION**  
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As a long-established family business, Getting There Groundworks is a specialist in top quality paving, tarmac and road construction. Over the last 30 years, the company has built up an enviable reputation for quality workmanship, thanks to its dedication to excellent customer service and an acute attention to detail.

Certainly, Getting There Groundworks can tackle any project, whether this is pothole repairs or driveway construction, cycle paths or major road schemes, the company guarantees a professional job which is completed on time and on budget. No matter what the size of the project, Getting There Groundworks maintains a steadfast commitment to quality.

What's more, because it only uses its own crews, and operates all of its own plant and machinery, Getting There Groundworks has total control of budget, timeframe and quality, offering a complete array of services, from tarmac to asphalt concrete, as well as landscaping services.

The company also offers a vast range of contracting services, and has worked extensively on industrial and commercial ventures as well as for local councils and domestic customers. Using state-of-the-art techniques and designs, Getting There Groundworks never sub-contracts or brings in casual labour, refusing to compromise on safety or quality.

Furthermore, Getting There Groundworks has a robust health and safety policy, full insurance cover and an unshakeable commitment to the environment. Professional accreditations include ISO 9001 and ISO 45001, and the company is a proud member of the National Building Federation, as well as following CHAS and SSIP guidelines.

Combining a professional approach with a can-do attitude and friendly environment, Getting There Groundworks is your number one choice for anything from a driveway to a dual carriageway. Get in touch using the contact details below for a no obligation chat or head to the website for more information.

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## Low Road Nursery, a family run business established in 1988

Originally started out as just a bedding plant nursery, but quickly evolved into a Hanging Basket Specialist nursery providing flora displays to the general public and private sectors equally.

We have won our customers and clients gold medals for "pub in bloom" and "town in bloom".

We expanded into landscaping using our knowledge of plants and our skills within construction to provide beautiful patios, lawns and structures.

As time progressed new materials came along and we added artificial turf and resin bound gravel to our product list.

Over the years our structures have ranged from huge covered outdoor dining rooms and grand entrance pergolas to quirky circular barrel dining pods that have evolved into our expansion into the design and construction of our unique Glamping pods.

As a company we pride ourselves in

being able to provide the complete package from initial vision all the way to completed job. We are able to turn an empty field into a landscaped glamping site complete with paths, roads, communal Mediterranean style meeting area, structurally planted borders, patios or decks, fences and even the glamping pod.

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### GLAMPING PODS

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## Charred Timber: traditional inspiration for contemporary architectural design

The ancient Japanese art of charring timber is inspiring contemporary architecture and design. The controlled process was traditionally used to give an aged effect to new timbers. It strengthens the contrast between the grain, increases resilience and adds to the innate character of the wood.



Charred Timber Specialists

Exterior Solutions Ltd are charred timber specialists. In 2005, we developed the Shou Sugi Ban® charred timber range; inspired by tradition and developed for modern tastes. Our professional team handcraft each plank of wood to create bespoke charred finishes on a range of timbers. The manufacturing process is carried out in-house, with precision and care.

With knowledge of timber and charring techniques, our team create an extensive range of finishes to suit every project. To give a taste of what is possible, the texture of Douglas Fir allows for the timber to be saturated with colour; we offer an exact match with any RAL colour. A contrasting Larch grain can be enhanced with charring for striking effects, whilst our Accoya® range delivers a subtle finish.

Shou Sugi Ban® is suitable for interior design features, as well as exterior cladding and hard landscaping. It provides an eye-catching finish to public, commercial and residential architecture, as well as being a striking interior feature in boutique hotels, restaurants and retail units. This is a low maintenance building material that is designed to impress.

Exterior Solutions Ltd can supply projects from a few squared meters through to large developments. We supply to international, as well as UK-based projects. With every plank processed on-site, we maintain stringent quality controls and take considerable pride in our craftsmanship.

Please contact us on 01494 711800 to request a Shou Sugi Ban® brochure and charred timber samples.



Greendown Shepherd Huts Ltd was set up by Harry long and Richard Hodges in 2017 and initially located themselves in a workshop on a farm in Saltford. Harry is the craftsman who has made it all possible whose skills compliment those of Richard who manages all other aspects of the business with his finance skills. After 18 months on the farm, Greendown have moved to bigger premises in Keynsham where production has been ramped up to meet the increasing demand.

In the beginning quality was the key word, and that is our mantra. Our huts have evolved to some of the best quality on the market, and increasingly Greendown have specialised in producing huts for the hospitality market with its Bed and Breakfast Hut.

With a lifespan of 20-40 year plus, this can be earning you money for years. We have found that there is a niche market emerging with people looking for other ways to earn income. If you have a small piece of land this could be the perfect solution, and being mobile, some planning rules can be avoided, although we always advise speak to an expert about planning. With this hut, your guests can eat, sleep and wash with full bathroom facilities. Standard model come fully furnished with blinds, oak steps, log burner, underfloor heating (suitable for all year round use) and within hours of delivery can be earning you money.

T 0117 986 9685  
[www.greendownshepherdhuts.co.uk](http://www.greendownshepherdhuts.co.uk)



## The UK's Shepherd Hut Specialist

### Our huts have the following:

- Boxed steel chassis with tow eye
- Fully insulated to new build standard
- Hard wood windows and French doors double glazed to new build standard,
- Exterior oak cladding , which means no painting and maintenance
- Underfloor heating and log burner
- Bathroom with walk in shower
- Kitchen with gas hob and integrated microwave
- Full size double bed (4'6" x 6'6")
- Tv and aerial
- Gas boiler that runs at 12 litres a minute.
- Colours are the choice of customers, as are blind designs.
- We do bespoke builds and client can choose their size, although our standard size hut at 20' x 7" is the most popular.

0117 986 9685

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

# Outdoor Building News

## ThinCats supports The Marine & Property Group Ltd with £10m+ funding to enable further expansion

The Marine & Property Group Ltd (The Marine Group), the largest marina business in Wales has secured a £10.4m funding package from ThinCats, the leading alternative finance lender to medium-sized businesses. Headquartered at Cardiff Marine Village, The Marine Group was established in 2007 and has grown to become the largest owner of marina berths in Wales located across four premium marinas: Cardiff, Barry Port, Port Dinorwic and Aberystwyth.

Led by founders Christopher Odling-Smee and Drew McDonald, The Marine Group's main services include marina berthing with more than 1,200 berths based along the Welsh coast, 70,000 square feet of commercial property, boatyard services, boat refit and repair, and mobile mechanical engineering. The funding from ThinCats will be employed to consolidate a number

of existing loans and to support further expansion including acquisitions and greater diversification into activities such as dredging. The transaction represents the largest funding by ThinCats so far to a business whose activities are solely based in Wales.

The transaction was led by Christopher Odling-Smee on behalf of The Marine Group and introduced to Business Development Director Kash Moghul of ThinCats by an Essex based adviser.

Christopher Odling-Smee, Executive Director of The Marine Group "We reached a stage in our development where we needed a clear funding strategy to support our longer-term growth ambitions. Up until now we had accumulated a range of tactical loans from a variety of lenders including the high street

banks. Having made contact with Kash and the ThinCats team, they recognised our potential and helped shape an approach that will allow us to expand our existing activities and diversify into newer areas such as increasing our dredging capacity."

Kash Moghul, Director Business Development, ThinCats "The Marine Group has a clearly defined growth strategy, high barriers to entry, diverse income streams and an excellent leadership team in Chris and Drew. ThinCats is keen to support regional entrepreneurs with strong links to their local communities, so this transaction ticks all our boxes."

T 0203 841 9333  
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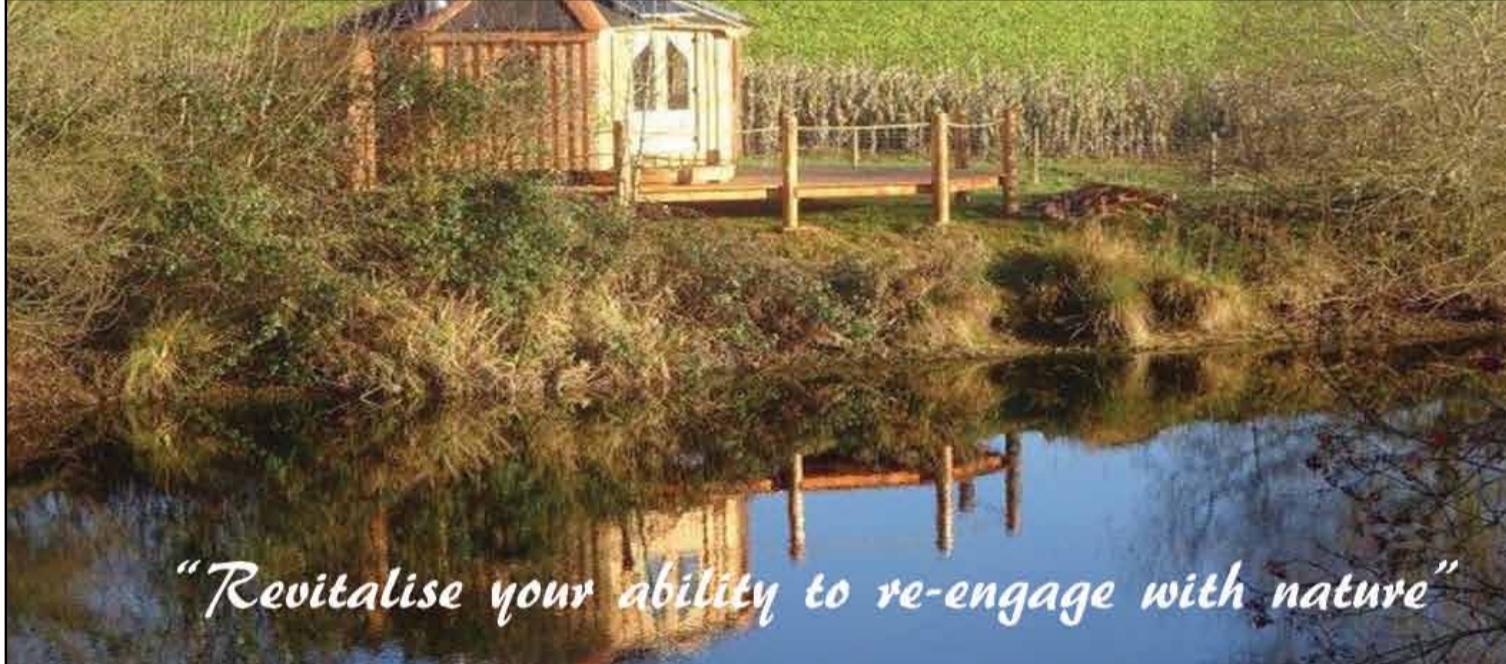


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## Global Survey Equipment Ltd

Established in 2011 by Mark Owen and Matthew McGuire, Global Survey Equipment (GSE) is a constantly growing company within the survey and safety sector of the construction industry. Based in Atherton, Global Survey Equipment are ideally located in the heart of the North West of England, enabling the company to have access to extensive motorway networks and delivering the most efficient delivery service possible for their customers. Global's four main areas of services they provide are: hire, sales, repair and calibration, although they also provide instrument and cable location training.



GSE offers a broad range of products, all of which are kept up to date with the latest technology. The survey equipment the company supplies are extensive to say the least, and undoubtedly cover all aspects of the surveying process. GSE offers everything from auto levels to robotic instruments & GNSS, all of which are under the manufacturing brand of GeoMax (part of the Hexagon group).

GSE also presents a range of detection devices, including Cable Avoidance solutions, Environment Meters, Drain Cameras and Gas Detectors. Cable avoidance products include CATs, Gennys and Accessories. The company also provides a half day C.Scope training course on the intricacies of cable avoidance. Environment Meters include Light Meters, Moisture Meters, Sound Meters, Thermometers and Air Flow Meters, and Gas Detection solutions.

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## Intratest

Intratest specialise in Structural Testing using Non-Destructive Testing (NDT) techniques to test everything from unseen corrosion to the presence of cracks in welds and metal structures.



The approach starts with a Visual Inspection as standard, and progresses to the following NDT services:-

- ▲ Standard Non-Destructive Testing – that uses a specialised non-destructive inspection tool for the detection and estimation of corrosion damage near and below ground level of steel rooted Street Lighting Columns.
- ▲ Specialist Non-Destructive Testing – uses various techniques such as Ultrasonic, Eddy Current, and Magnetic Particle Inspection that are applied to the distinct types of structures that include High Masts, Traffic Mast Arms, Safety Barriers and non-steel rooted lighting columns.

Furthermore, our reports for steel rooted columns are firmly rooted on a 'risk assessment process' that allow results to be warranted to specified 're-test periods', something that should underpin any proactive cost-effective Asset Management Programme.

However, Intratest compliments this by also offering

- ▲ Electrical Testing – Periodic testing due every 6 years by regulations, for lighting columns, signs, illuminated bollards and beacons

Allowing integrated strategies to be applied to any Asset Management Programme to improve overall planning, budgetary control and cost-effective solutions.

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

# Strong and durable rechargeable work lights



Building and Construction Review is proud to feature JCB Lighting for our Commitment to Excellence Award, for the recent launch of its innovative range of Work Lights which are helping to revolutionise tasks in a wide range of applications.

These lights offer a ground-breaking lighting solution for everyday tasks and specialist operations, using the latest advancements in LED and Lithium-Ion technology. Offering a comprehensive range of portable and rechargeable lighting, JCB Work Lights are highly mobile and very easy to transport and store, helping to overcome the major trip hazard caused by trailing cables on-site and in working environments. The lights also provide a solution for off-grid and remote working, which can be difficult when a power source is not easily accessible.

"The range of work lights is supplied with one or two rechargeable batteries to allow for loop-charging," explained Lindsay Newham, Marketing Manager. "You can easily get a day's work out of the product, with the ability to get 12–14 hours of light from a single charge on some of the range. These are great for a range of applications, such as construction, industrial, inspection, events, maintenance, security, hire and rental. They're ideal for roadside assistance – the lights can be fitted onto a tripod to allow for a stable light source in the event of a vehicle breakdown."

Indeed, as well as these exceptional levels of versatility



and portability, the work lights feature a highly robust and rugged design, as well as IP65 rating to ensure resistance to adverse weather conditions, dust ingress and water jets, providing a solution for multiple applications. The range offers dimmable lighting with options for 100% and 50% brightness, and it is complemented by a selection of accessories, including the previously mentioned tripod, as well as additional batteries, chargers and cables. What's more, all products come with a three-year warranty, for extra peace of mind.



The LED Rechargeable Floodlights are available in 20W and 40W versions, offering up to 4000lm light output. They come with either one 22.2V battery or two 7.4V batteries, to deliver a runtime of up to seven hours from a three to four hour charge time per battery. What's more, the Floodlights offer a powerful magnetic base for ultimate stability and flexibility when working, as well as having a hook design handle for adaptability. In addition, JCB offers LED Rechargeable Power Lights, available in 10W, 20W



and 40W versions, offering up to 4000lm light output. With either two 22.2V batteries or two 7.4V batteries, the Power Lights offer a runtime of up to 14 hours from a three to four hour charge time. They also feature a discharging battery indicator with indicator lights that turn off one by one during discharge, to ensure the user can easily see how much power they have left. The lights also have a quick release for the adjustable head and an adjustable tripod fixed wing screw.

The third version of JCB's range is the LED Rechargeable Industrial Task Lights. These are available in 30W and 50W versions offering up to 4000lm light output. These Industrial Task Lights are available with either an 11.1V or 14.8V fixed battery, delivering a runtime of up to eight hours from a four to six hour charge time. The product is also supplied with a sturdy mounting bracket and has a 100% or 50% mode for brightness.

Finally, JCB offers the unique LED Rechargeable Task Lights, which are available as a 5W version offering 600lm light output. The product is supplied with a fixed 3.7V battery to deliver a runtime of up to three and a half hours. This convenient task light has a magnetic base for flexibility when working and offers 100%, 50% and SOS Flash lighting functions. The Task Light also has a USB output suitable for charging mobiles phone when you are away from a power source.

Certainly, JCB Work Lights are offering an excellent solution for workers in a variety of industries. Thanks to its LED technology and Lithium-Ion batteries, these lights help to save energy and offer an eco-friendly option to help ease your everyday tasks, inspections or emergency situations.

If you would like to find out more information on the full range of benefits of JCB Work Lights, don't hesitate to get in touch using the contact details below.

**Contact**  
T 01246 432325  
[sales@jcb-lighting.com](mailto:sales@jcb-lighting.com)

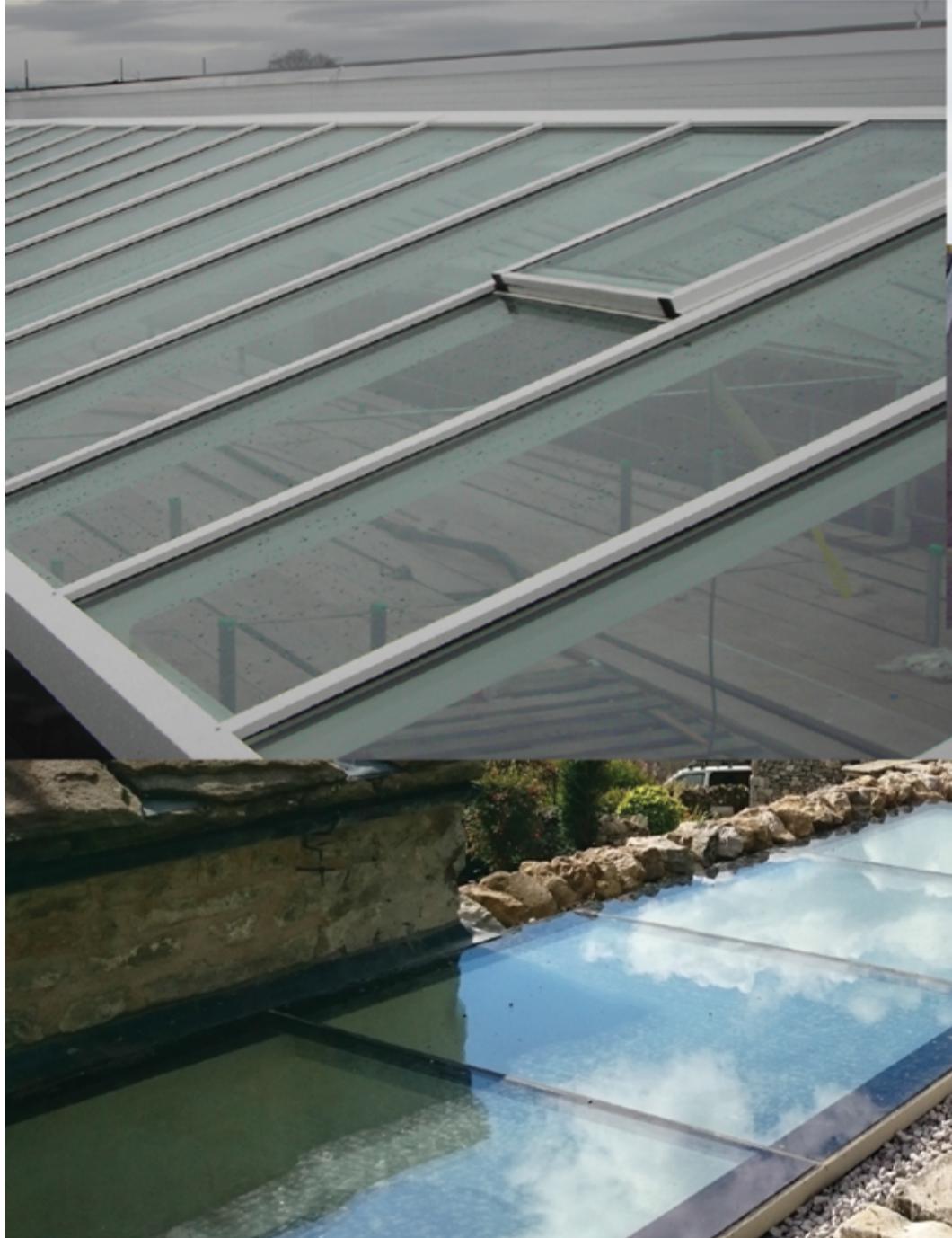
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