

## Building & Construction Review



### Nationwide Louvre Company



Nationwide Louvre Company is in Aldridge in the West Midlands, being centrally based for access throughout the United Kingdom. The company was established in 1993 by Lee and Neal Levy having previously worked for many years in the ventilation industry and specialise in the installation of aluminium louvres, louvred plant screening, louvred doors, brise soleil and acoustic screens.

Nationwide Louvre Company manufacture bespoke solar shading / brise soleil systems to the customer's requirements using a large range of standard blade profiles and support methods. Each system will be designed to enhance the external appearance of the building facade.

Using computer solar tracking software, Nationwide Louvre Company can confirm shading effects and the performance of its products. Brise Soleil / Solar Shading is available in a number Standard elliptical blade sizes include 120mm, 150, 210mm and 300mm with a large range of rectangular blades other shapes available in both aluminium and timber.

During the hotter summer months solar radiation can increase internal building temperatures to as high as 35 – 40°C. At these temperatures people are at risk of dizziness, fainting, heat cramps and in some extreme cases heatstroke or collapse. The glare from the sun through the window can also cause problems whilst using computer equipment resulting in eye strain and headaches.

Scientific studies confirm that increased temperatures directly correlate with absenteeism and negative productivity: as temperatures increase productivity decreases. At a room temperature of 28°C it has been proven there could be a 10 to 15% reduction in productivity.

Brisa Soleil, (also known as solar control, sun louvers & solar shading) can reduce the buildings heat gain problems by as much as 85%. Brise Soleil panels can also enhance the appearance of a building by making an architectural feature of the system. The reduction of direct sunlight during the summer months through the windows will automatically help to give the perception of a cooler environment leading to the occupants being much more comfortable whilst reducing the possibility of health and safety risks.

During the summer months brise soleil will block out most of the harsh summer sun whilst still allowing more natural light with the benefits of reduced thermal gain. During the winter months the sun sits lower in the sky allowing for more sunlight to pass through providing natural warmth whilst still providing reduced glare.

Call our office for advice and costs on 01922 457204.

### Outdoor Entertaining Package for Developers



Quan Garden Art are a premium outdoor entertaining brand, specialising in strikingly designed 'Fire Plate BBQ's' where you cook on a hot plate surrounding a fire-pit. Not only does this form of outdoor cooking take your barbecued food to the next level, it also provides a heat source for family and friends to stand around whilst enjoying a drink and conversation, making this the most social BBQ experience on the market.

The pandemic has certainly led to a significant increase in outdoor entertaining, and 2021 looks to continue this trend. Quan are also seeking to partner with property developers, where they could offer stylish and unique 'Outdoor Entertaining Packages' to prospective new homeowners.

Quan UK also offer a Professional range suitable for outdoor areas in restaurants and hotels, where chefs can provide real theatre outdoors – as watching someone cook on a Quan Fire Plate makes for a mesmerising experience. These are products that will transform the way you BBQ!

Please contact Jon at Quan on 07811408688 for further info and see [www.quangarden.art](http://www.quangarden.art) for full product range.



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# Premium hardware supplies with customers at the heart

## HARDWARE WAREHOUSE

Building and Construction Review is proud to announce that Hardware Warehouse has received our Construction Products Company of the Year award.

Established in 2012 by Katie Clarke and her partner Rob, Hardware Warehouse has seen fantastic growth in the last few years, selling metal and PVC profiles, metal sheets, storage hooks and garden accessories. Initially, the company was focused on serving the domestic market,

"Initially it was very worrying working out how we were going to work within new restrictions and sort the orders in the warehouse," said Katie. "Our team has been incredible, working long hours and doing their bit to keep us going."

"We saw a huge increase in domestic customers due to everyone being at home doing DIY during the lockdown. This increase in popularity had a knock-on effect and meant that a lot more trade customers



but now Hardware Warehouse services corporate and trade customers, developing longstanding relationships with companies across the country.

"There are companies which offer the same products we do, but in smaller volumes more suitable for individual customers," Katie explained. "Then there are other large companies which have a minimum order number in the thousands. We sit in the middle of the two, offering a large stockholding but with no minimum order, delivering stock to the customer's site and even offering morning delivery if they need a particular product for work that day."

"Our specialism is in profiles, and we are very proud of the quality of this range. We hold very high levels of stock and offer next day delivery as standard."

The company's ongoing expansion has continued throughout 2020, despite the challenges of the COVID-19 pandemic.

have found us. So, we're now focusing a lot on the commercial side of what we do, expanding our range to meet trade requirements."

Of course, this expansion has only been possible thanks to Hardware Warehouse's particular emphasis on excellent customer service.



"As well as the products we sell, we focus on our customers, which continued despite all the craziness of the pandemic. This dedication saw us through and helped us come out the other side even stronger than we were."

And, this kind of excellent customer service has not just come about in response to a crisis. Hardware Warehouse has always focused on offering the best customer experience possible.

"We often get complemented on our level of customer service. We want to solve problems and get things sorted as quickly as possible. We're a small family business, and often treat our customers like family. We get things sorted and can find things that others can't."



a more sustainable plastic range. "We're looking at offering more environmentally friendly products," Katie said. "We've been doing a lot of research on products made from recycled plastics and how we can offer these to our customers, so it's something we really want to focus on as we move forward."

"We'll also be expanding the company as a whole. We're recruiting for more roles and we're growing our website to make it more automated and efficient. We're adding functions that are bespoke to trade customers, so there will be ways for them to know when the next delivery is so they know when to place a big order, there will be a more efficient quoting system, and there will also potentially be the option to see prices ex-VAT. We really do look to adapt and grow all the time."



As well as specialising in profiles, a range which is widely respected for its quality and high stock levels, Hardware Warehouse is looking at sourcing bigger ranges of other items in its portfolio, notably its brass line. "This is very popular and we want to expand the range of sizes we offer to address customer demand. With our increase in trade customers, we're getting more enquiries for different items – other companies have stopped selling a lot of products so we're one of the only places that sources some of the things our trade customers need."

This growth is in addition to developing

And, as an online business, Hardware Warehouse has the versatility needed to stay up to date with the latest market trends. "Because we're an e-comms site, we have to stay abreast of the latest developments and any changes with Google algorithms, for example. We listen, we learn and we adapt to what the customer needs." If you would like to find out more information on everything Hardware Warehouse offers, head to the website or get in touch.

**Contact**  
**T 0330 333 5030**  
[info@hardware-warehouse.co.uk](mailto:info@hardware-warehouse.co.uk)  
[www.hardware-warehouse.co.uk](http://www.hardware-warehouse.co.uk)

# Award in Excellence Winner 2020



We are proud to announce that DCON Safety Consultants Limited has received our Building Products & Services Award for 2020. Diarmuid Condon, Owner and Managing Director of DCON Safety Consultants Limited noted his delight in having been considered for this award. Diarmuid reflects on the broadband definition of award-winning as having won a prize in recognition of quality.

“From our point of view here at DCON Safety Consultants Limited, award winning means so much more than just the receipt of a prize. Our ambition and drive continues to be quality based on the priority of high level specialism services offering informed, intelligent advice, senior project resource allocation and compliance assurance.



DCON Safety Consultants Limited benefits from a strong understanding of the potential risks within the built environment sectors they are engaged in. Our model of service enables an over the shoulder compliance and best practice support means to be provided that seeks to meet or exceed their client's expectations.



DCON Safety Consultants business intention is to consistently ensure that client's best interest and statutory conformities are secured. Our greatest resource is our exceptional team of technical construction and safety consultant partners. Our consultants and alliances with other key individuals and organisations enable us to provide a broad brush level of support to clients in all divisions of design, planning and construction safety. We will remain relentless in our support of safe outcomes aiding our clients to realise their visions.”



DCON Safety Consultants Limited has a suite of wonderful clients who reuse their services time and again. Diarmuid remarks that while their pipeline remains strong, the Covid 19 and Brexit impact will play their part going forward. The reactivation of public sector works in residential and infrastructural sectors will present future opportunities for the business.

The main service provided by DCON Safety Consultants Limited is Project Supervisor for the Design Process (CDM Advisor Plus), Pre-Planning Compliance, Safe Design Adherence, Health & Safety Strategy creation and Expert Witness. Regardless of project size or complexity, DCON Safety Consultants



Limited maintains a wealth of expertise in the built environment and generates distinctive and innovative ideas born out of traditional construction service inputs and outputs.

Strategically supporting a positive planning decision is what sets DCON Safety Consultants Limited apart from their competition. “Our Construction Management Plan (CMP) offering provides clients with the means to demonstrate a commitment to safety in overall planning, coordination and control of a project from construction commencement to completion.” Diarmuid continues, “These safeguards seek to support the obligation placed on a client to produce a safe, functional and financially viable project.”



Diarmuid uses his extensive network of contacts to recruit precisely the right person to protect his clients' interests and uses his unique perspective to encourage, support and mentor the abilities of his colleagues. Diarmuid is an integral part of the company and ensures that it excels in providing services to its clients, and displays exceptional achievement designing and executing

strategic safety plans and systems.

DCON Safety Consultants Limited maintains an extensive client list which includes: public sector departments, corporate owners, real estate developers, main contractors, design professionals and infrastructural bodies. A Quantity Surveyor by qualification, Diarmuid consistently demonstrates his extensive knowledge and expertise including prior to setting up DCON Safety Consultants Limited, Diarmuid was responsible for Safety, Health & Quality consultancy services in Ireland for a global project management/cost management consultancy. “I was afforded the opportunity to hone my technical and soft skills while working on some of Ireland's most recognisable projects.” Diarmuid stated.



“I would like to take this opportunity to thank Building and Construction Review (Midlands) Limited for this award look forward to our future publications together.” Diarmuid concluded.

Contact  
T +353 (0) 1 611 1556  
[www.dconsafety.com](http://www.dconsafety.com)



# Flexible stormwater solutions from Tubosider



minimal onsite work is required. All inspection shafts, inlets/outlets, ladders, and flow controls are installed in a factory setting, therefore minimising the site work and ensuring a high standard. This speeds up the site install timescales, enabling contractors to meet tight programme deadlines."

What's more, Tubosider products have BBA certification and WRc certification, giving peace

of mind to clients, contractors and specifiers. All products are also 100% recyclable, and can be easily inspected for any future maintenance needs.

Looking to the future, Tubosider will be continuing to manufacture its top quality stormwater management products, staying ahead of the game through innovation and the development of additional products for controlling water

quality.

For more information and to stay up to date with all of Tubosider's latest developments, head to the website or get in touch using the contact details below.

T 01744 452900  
info@tubosider.co.uk  
www.tubosider.co.uk

Building and Construction Review is proud to announce that Tubosider has received our Water Management Company of the Year award. "Being a UK manufacturer, we are delighted to have been selected for this award. We are proud of our St Helens manufacturing facility and the commitment of our workforce to produce class-leading products for the UK construction industry," said Steve Mascall, National Sales Manager.

Based in St. Helens, Merseyside, Tubosider manufactures market-leading corrugated steel pipes for its value engineered stormwater management systems, culverts and tunnels. Committed to finding the most effective solution, designed to meet engineers' specifications and site requirements, Tubosider offers systems which are developed by an expert design team and made to order at its factory. For over 30 years, Tubosider has supplied the industry with corrugated steel culverts and bespoke stormwater attenuation



tanks used in underground drainage systems. These are supplied in galvanised steel or alternatively with an additional Trenchcoat finish for an extended design life.

Despite a challenging 2020, like it has been for most businesses, Tubosider has stayed active and worked on a number of exciting projects. "We have continued to manufacture our stormwater attenuation tanks and pipes, and our sector has remained busy as the types of projects we supply have continued throughout the pandemic," explained Steve.

Notably, Tubosider played its part in the crucial rollout of the COVID-19 vaccine. "Our attenuation tanks were used on the new Vaccine Manufacturing Centre in Harwell, Oxfordshire. We were proud to have been involved with this massively expedited project, where we worked in conjunction with all stakeholders to ensure that tight delivery timescales were met."

These successes are in no doubt down to Tubosider's commitment to quality solutions for its customers. The versatility of the Tubosider system can lead to a reduction in the number of manholes and associated drainage runs required compared to other drainage systems while still providing full accessibility. Tubosider also prides itself on outstanding customer service, looking after customers every step of the way from design to delivery and excellent aftersales care.

"All our tanks are built offsite, meaning



There's no 'one-size-fits-all' at Tubosider. Whatever your project needs, our single store stormwater tank systems are designed to suit your discharge rate, return period, site dimensions and project budget.

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# The height of excellence

Excellence isn't about maximum profits. It's not about winning awards. For Direct Hoist, the commitment to excellence extends onto every level – just like the firm's wide range of hoists and lifting platforms.

Direct Hoist's commitment to excellence means keeping up with customer demands and accurately assessing not just what's needed now, but what the site may also require many months down the line.

Company founder Rob Wilson has been in the construction hoist industry for over 30 years, and uses his vast experience to preempt clients' requirements.

Rob says, "We offer free advice, site surveys and expert project planning. We establish what's essential, and what may be wanted

**"Construction hoists are part of a fast-moving industry, and we're one of the best in the game"**

in three or six months' time. Customers' needs often change, and it's more cost-effective for us to provide the right equipment from day one.

"We know what, where, when and how big, and we advise accordingly. Our know-how ensures we get it right every time."

Thanks to Direct Hoist's ever-expanding fleet of more than 50 hoists, there's a tool for every task. From scaffold hoists to gantry hoists, from tile hoists to 5x2.9m lifting platforms, Direct Hoist has modern, highly-maintained hoists

always available for hire.

Direct Hoist also offers sales and servicing, specialising in market-leading GEDA equipment. "It's the best machinery available from the best manufacturer," comments Rob. "GEDA is a traditional German brand that's been an industry leader for 90 years. It's the finest on the market for quality and reliability."

Modern construction techniques are calling for bigger and ever more specialised products, and health-and-safety regulations mean you need good reason not to have a hoist on site; the days of clambering up and down ladders are long gone.

Hoist manufacturers are working hard to keep up with demand, allowing items such as entire prefabricated bathroom pods to be lifted into position.

"It's all about the speed of build, and the most effective solutions to reduce costs," says Rob.

He continues, "Construction hoists are part of a fast-moving industry, and we're one of the best in the game. These days, I spend my time running the company rather than at the pointy end, so I can ensure Direct Hoist is at the forefront. We're investing in our website – customers can see what's new, get quotes and buy online – and we're committed to staff training and development."

Direct Hoist's fully-skilled workforce includes professional hoist technicians and qualified mechanical engineers. Rob realises it's critical for his team to be nurtured, and the firm even has its own fast-track scheme for NVQs.

Although Direct Hoist has the infrastructure of a big business, Rob ensures its ethics and client relationships retain a personal touch. He says, "We bend over



backwards to help them; that's why they keep coming back. They trust us to dot the Is and cross all the Ts."

Excellence, for Direct Hoist, is about saving money instead of cutting costs; it's about insisting

on first-rate products and services; it's about providing the absolute best for customers.

**Contact**  
T +44 (0)1724 781647  
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# 5 Generations of Timber Trading



recognised United Nations "SDG Pioneer certificate".

Recently the company has installed a 5-mile racking system to speed up the picking of packs and has upgraded its portal trading system, allowing customers to browse and order packs, plus obtain full packing and quality details."

With a clear dominating presence through the company's 135 years of trading in wood, Vandecasteele Houtimport is continuing its

commitment to its customers and suppliers and is striving to continuously improve its business. The company has also set a challenging goal to stock 100% certified timbers from 2025 and looks to the future with confidence.

For any more information, please see the details below.

T 0032 5643 3300  
[www.vandecasteele.be](http://www.vandecasteele.be)



Vandecasteele Houtimport is a fifth generation, family run business that imports timber and timber products from more than 45 countries. The company specialises in the import, trading and export of Tropical Hardwood from Africa, Southeast Asia and South America, Scandinavian and Russian Softwood, Siberian Larch, North American Soft and Hardwood and European Hardwood.

"Vandecasteele imports, stocks and distributes hardwood and softwood from all over the world to over 30 countries. Due to the fast pace of modern industry, they can react quickly to the customers' demands and deliver stocks difficult to source within days on their own fleet of 18 vehicles.

Established in 1883 by Louis Vandecasteele, Vandecasteele Houtimport is located in West Flanders with its uniquely designed warehouse and office in the town of Aalbeke, Belgium. Vandecasteele Houtimport has its own impressive storage facility of 16 Hectares, that can accommodate more than 120,000m3 of sawn timber products.

"Vandecasteele has the resources and ability to adapt to the sensitivity of the market and bridges the gap between sources of supply in Africa, Far East, South America and North America to Europe, in a matter of days. This makes the company the first choice with many importers and merchants. Utilizing its most impressive and vast stockholding of Hardwoods and Softwoods coupled with strong environmental credentials.

Vandecasteele Houtimport has over 140 timber species in stock including the new addition of certified European Beech and Oak in Joinery, Prime, Super Prime grades and flooring. With a broad range spanning from the most expensive and rare hardwoods, to a full assortment of softwoods, Vandecasteele Houtimport provides a selection of wood available in various quantities and sizes.

100% of the softwoods stocked are certified. Over 30,000 m3 of the Tropical hardwood stock is now certified and this number is still growing. Vandecasteele has a dedicated team to ensure all due diligence is up to date. In addition to the strict due diligence process, Vandecasteele has invested in a forest engineer in Brazil to ensure full control on the CoC of the Brazilian timbers purchased. This makes Vandecasteele Houtimport the biggest stockholder of certified tropical timbers in Europe.

Vandecasteele Houtimport maintains a strong stance on meeting sustainable and environmental aims within its business. Since 2000, Vandecasteele Houtimport has committed itself through the Corporate Sustainability Charter, by signing up to environmental objectives and exceeding applicable environmental legislation. The charter is a management tool and incorporates the 17 Sustainable Development Goals of the United Nations. Last year, the company has obtained the internationally





## Five generations of timber trading

### Our investments for engaged partnerships



Post Brexit: we set up a company in the UK – Vandecasteele Timber LTD to facilitate our collaboration with UK partners



New website – with online portal for customers



2025 – our aim is to trade in Certified timber only from 2025 onwards

**Huge stock in certified timber:**  
 120,000 m3, more than 140 different species.

**Contact**  
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 +44 15 94 83 43 32

# Sewage problems? Allerton is your answer



Allerton UK is a leading off mains drainage company, covering sales, servicing, commissioning and repairs of all types of septic tanks, sewage treatment plants, sewage pump stations and soakaways. Working across the East Midlands and beyond, Allerton boasts a team of dedicated and experienced workers, all trained with British Water to ensure they are in the best position to properly assess a situation and correct it.

Established in 1974 by Jon Allerton, the company was originally concerned with draining farmers' fields, after the government provided grants to farmers with the aim to get the country drained. Once this was completed in the late 1980s, Allerton needed a new direction, and so began its work in off mains drainage.

As well as its sewage treatment plants and sewage pump stations which are made on the premises, Allerton also makes the ConSept. This

the treated water to the surface, disposing of the treated effluent is a lot better than other methods.

The ConSept uses the existing septic tank, removing the need to install a heavy plant or new tank, and it is quick to install to save time, money and disruption. The tank has no moving parts inside, and it maintains the water at the correct level, keeping your drains clear right up to the house. Moreover, it is manufactured using high grade composite materials and non-ferrous components, meaning the ConSept does not corrode, offering a long and trouble-free life.



Installation inside your existing septic tank also means that the ConSept cannot be seen or heard, and the air blower remains outside the tank for easy maintenance. The equipment also has low maintenance costs, requiring servicing just once a year and desludging and emptying



converts septic tanks into sewage treatment plants, and can be fitted without excavations, apart from the shallow cable and air pipe trenches. This means customers can save around £3,000+VAT by avoiding excavators on site. What's more, because the ConSept lifts

once every two years. While the local desludger can empty the tank or sewage plant, Allerton will of course service and maintain all their own equipment and that all other manufactures units too, in fact servicing, repairs and surveys of sewage treatment plants is a major part of



their work. The final effluent is discharged into a watercourse or soakaway, and installation and commissioning by Allerton's British Water Accredited engineers is included in the package.

Not only does Allerton install high quality units, the company also focuses on continual service of the equipment. This means that units Allerton has made and installed, of which there are over 1,200, are all still working efficiently across the country. Indeed, Allerton often receives regular customer feedback which emphasises how happy they are with the service they have received.

"In particular, we make sure everything is explained to the customer from the beginning and throughout the process, and we always do what we say we will," said Jon Allerton, Director. "Minor problems are sorted out by engineers on site, and all the initial customer worries are dealt with in advance. We offer initial onsite advice, help with all paperwork such as planning and Environmental Agency permits, installation and ongoing servicing, including repairs. Every aspect of what we do is to please the customer.

"We used to manufacture our own sewage treatment plants, until the EU decided they



needed to be tested for two years in Germany. However, the experience we have of making a unit and then constantly improving it becomes second nature to everything we do. Now, we use WPL, one of the top two or three manufacturers of sewage plants, and they listen to us when we suggest improvements," Jon explained.

In line with its ongoing expansion, Allerton has been taking on more staff and training them all to British Water standards. "I'm 78 soon, and



the company has been recently restructured and is now Allerton Bradley Ltd. Jason Bradley has been a large shareholder for several years, and has worked for the company for most of his life. His knowledge of all things sewage is vast, and at 36, he ensures the company can look forward to another 50 years of good service, and pleasing people!"

Indeed, despite the current setbacks caused by the COVID-19 pandemic, Allerton is continuing to expand, thanks to the real and immediate need of the company's services. Whether it's a school, hospital, factory or housing estate, Allerton's capabilities are helping people across the country save money, maintain their compliance with regulators, and ultimately protect the environment.

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

T 0800 328 5492 / 01529 305 757  
www.allertonuk.com

# Together we can create forests for the future

Established in 2014 by Nick Hollingworth and Liz Boivin, Tomorrow's Forests are specialists in high volume commercial reforestation, supporting industry, resource management, government, private landowners, and public institutions. "A lot of building work now requires tree planting, so we work with railway projects, housing developments, infrastructure and many others to help do this with cutting-edge technology," explains Liz.

After winning its first contract in 2014 to plant 90,000 trees, Tomorrow's Forests has grown significantly and now plants around 2 million trees each year across



its numerous contracts. "After our first contract, we started gaining more, doing subcontracting in Yorkshire as well as some work in Scotland. Since then, we have established ourselves as a main contractor for the work we do and cover the whole of England, Wales, and Scotland," Liz adds.

This success is in no doubt down to Tomorrow's Forests' efficient, fast, and proactive nature. "When we start working with new clients, we often get positive feedback on how fast our team works. Our

professional tree planters can plant around 3,000 trees a day each, so no project is too big or too small for us.

All of our team is trained and works hard during all daylight hours. For forestry work, we use a shift pattern of four days on, one day off. This helps to promote productivity, as they get a consistent day off that comes quicker than doing a five-day week as well as reducing the risk of injury. If we are working on construction sites, it is a five-day week, but the nature of the work is different from standard forestry."

In September 2020, a sister company was established called Creating Tomorrow's Forests, with the mission to fight climate change by creating forests across the UK, providing new habitats for wildlife, and removing CO2 from the air. Creating Tomorrow's Forests was launched to make it easy for individuals and businesses to make a positive impact on the planet and replace the UK's lost forests, using Tomorrow's Forests' large-scale forestry experience.

Instead of just planting trees for carbon sequestration, Creating Tomorrow's Forests is passionate about developing diverse woodland habitats for the long-term. The project uses the Tomorrow's Forests planting expertise with scientific research to make sure the right species of trees are planted in the right areas, and additional habitat such as ponds and meadows are created alongside to maximise the biodiversity at each site.

"We started acquiring land, offering businesses and individuals the chance to give back to nature and create biodiversity in places where it has been lost. We are very excited about this new project, and it is going well because businesses are prioritising sustainability and examining their environmental impact. We have started tree planting on a new wet woodland site in North Somerset.

A lot of people are getting more interested



the lockdowns across the world due to COVID-19, nature reclaimed many areas.

"Oceans were cleaner, animals were wandering the streets where they hadn't been before – it really put things into perspective for people. It's important we take care of what we have. Scientists have been saying for years that we need to protect our climate, but it's easy to forget about this in day-to-day life. Putting a break on everything we were used to during the lockdown switched many people's focus to nature, with more of us taking walks in nature and in woodland.

For this reason and because of the push for carbon capture schemes, Creating Tomorrow's Forests has been getting more and more interest from businesses and individuals. We are looking forward to developing the company further next year. We currently plant 2 million trees each year with Tomorrow's Forests, and we want to reach the same point with our sister company."

If you would like to find out more information on either Tomorrow's Forests or Creating Tomorrow's Forests, head to the websites or get in touch directly using the contact details below.

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**M 07824 673239 Nick Hollingworth (Managing Director)**  
**M 07760 263548 Elisabeth Boivin (Managing Director)**  
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[www.tomorrowsforests.co.uk](http://www.tomorrowsforests.co.uk)  
[www.creatingtomorrowsforests.co.uk](http://www.creatingtomorrowsforests.co.uk)

in tree planting and the benefits it has, sequestering carbon and creating biodiversity and habitats for animals. I think COVID-19 has brought things into perspective for a lot of people in this sense."

Indeed, although the pandemic halted many of Tomorrow's Forests' operations in line with the construction industry, it meant they had more time to focus on developing their new venture. "We want to work on expanding Creating Tomorrow's Forests, acquiring more sites and diversifying what we offer. Once we've completed the site in Somerset we'll be moving onto somewhere else."

And it is certainly true what Liz says – during





# Sustainable water management from Graf UK

Graf UK Ltd is one of the fastest growing suppliers of sustainable water management systems in the UK, focusing on three main areas: preventing flooding in increasingly extreme weather conditions through stormwater management; preventing sewage being discharged into our water courses; and putting the precious resource of rainwater to good use through rainwater harvesting. This is achieved through products which are manufactured from nearly 100% recycled plastics.

Established in 2014, Graf UK is part of the wider Graf Group, which has origins dating back to 1962. The company offers four main product groups based around water management for the construction industry. "These are stormwater management, wastewater treatment, rainwater harvesting plants, and garden products, such as water butts and compost bins," explained Matthew Rolph, Managing Director. "The majority of these are produced from post-consumer recycled plastic waste – it can't be 100% because some products can't be manufactured this way, but the majority are."

"This ties in with our other environmental benefits. Most of what we do is all around saving water. Our stormwater management products and rainwater harvesting products are focused on conserving water and preventing flooding, and we also offer reduced power consumption on sewage treatment plants."

The company's wastewater treatment product range spans everything from cesspools to septic



There are four main underground tanks that can be used for rainwater harvesting, and Graf UK's packages are available for any of the tanks. More information on each system and Graf UK's standard packages can be found on the website.

This year, Graf UK is seeing increased interest in its wastewater treatment and rainwater

to mains drainage for sewage disposal, so they are having to purchase sewage treatment plants as well."

This is not the only change Graf UK has seen this year. "A key thing we've done this year is that we've taken our garden products and created an e-commerce site for them, which was driven by the fact people are spending more time at home and in their gardens. Because this was so successful, we'll be doing a similar thing with our rainwater harvesting systems. Some self-builders or people doing extensions to their home are considering rainwater harvesting systems, so we'll be selling them on their own e-commerce site."

Looking to the future, Graf UK will be continuing its admirable work in offering sustainable water management systems for the construction

industry, as well as adding value to the market with training schemes. "We're going to start training installers for servicing and maintenance of wastewater treatment systems. We usually run seminars in Banbury for installers to become accredited service providers. We managed to do some of these this year, but obviously couldn't do as many as we wanted to due to the pandemic."

"We're looking forward to doing more of these in 2021 to help build a growing network of trained personnel that can look after the systems. This is mainly for wastewater treatment systems, with some involvement in the rainwater harvesting systems as well."

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



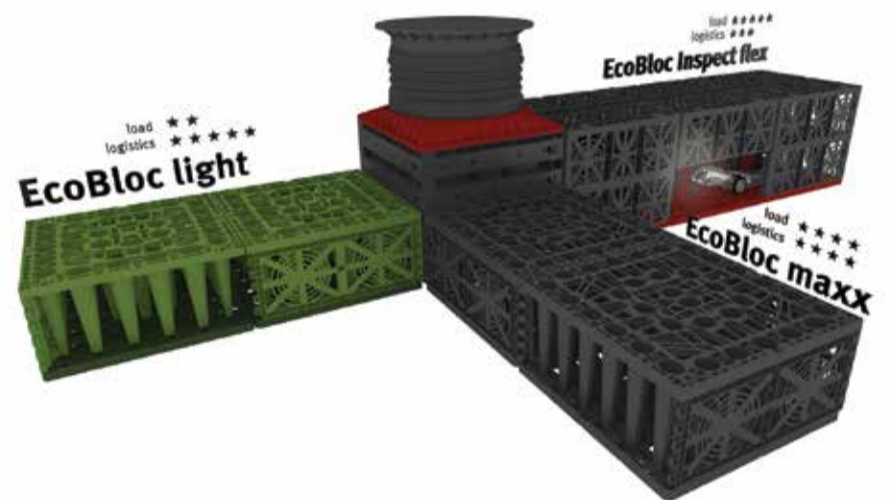
harvesting systems. "These are what we are spending most of our time working on and that are continuing to grow. We've also noticed that we're dealing with a lot more self-builders now than we ever have before. I don't know if this is COVID-related or not, but the self-build market has grown significantly for us, which has allowed us to carry on through the pandemic and lockdown."

"A lot of self-builders are particularly interested in saving and reusing rainwater and the benefits this provides. Additionally, they can't connect

tanks to full sewage treatment plants, ensuring there is something to suit any application. As well as supplying the systems, Graf UK offers design, installation, commissioning and maintenance/servicing.

There are a range of different wastewater treatment systems depending on your needs, and if you are not connected to the main sewer network, then you will need to install some form of sewage treatment system to process the wastewater into a form that can be safely drained into your local water course or discharged into a soakaway. Graf UK's website features full details on its different treatment systems and encourages customers to get in touch so it can advise on which one is best suited to your needs.

Similarly, Graf UK offers a range of different rainwater harvesting systems which offer a straightforward way of collecting rainwater.



Contact  
T +44 (0)1608 661500  
info@grafuk.co.uk  
www.grafuk.co.uk



# How to maintain communication while protecting yourself from COVID-19



For many industries this year, it has been a challenge to find a way to communicate clearly while reducing the risk of COVID-19 infection. Wearing masks or having screens up limits the spread of viruses, but they also greatly hinder communication.

Thankfully, there is a device that can help solve these problems in an efficient, cost-effective and easy-to-install manner. The Melaphone was developed in the late sixties by the late Jim Talbot, an entrepreneurial engineer.

It was originally developed for British Rail ticket windows to keep staff safer and warmer while maintaining communication with customers. "Because they were suffering from absenteeism during the winter, they needed some way of protecting staff from bacteria and viruses from customers, but in a way that they could still be heard," said Richard Woolff.

Talbot Designs Ltd, Jim Talbot's development company, was purchased by the current directors in 1963 and continued to make Melaphones until Anna Talbot, Jim's widow, decided to sell the firm's name and goodwill to Signtrade Ltd, also owned by the directors of Talbot Designs. The company continues to make and sell Melaphone products all over the UK and the rest of the world.

Now, Melaphones are used in a diverse range of security and dust-sensitive situations throughout the world, whether it is a simple kiosk at an amusement park or a highly protected area in a pharmaceutical laboratory or cleanroom, where secure germ and dust free conditions are essential.

The Melaphone Amplifying Speech Unit can be retrofitted to many existing screens, such as in buses and in airport check-in areas, and the company can advise customers on how the Melaphones can be adapted to suit their individual requirements.

Fitted with a polycarbonate guard which has a high impact strength, the Melaphone is protected against assault. It also features a stainless-steel mesh guard cover which gives considerable additional protection to the user and to the Melaphone unit without impairing the quality of speech or viewing. Inside the unit, the clear membrane blocks germs, draughts and dust while maintaining speech and vision.

"They're an easy way of talking to each other without having to open a door or have an unprotected gap in a screen.

The membrane is the thickness of a hair and has been tensioned in a way that means it vibrates when you talk, allowing speech to be heard in an air-sealed way. Nine months ago, people started needing ways of protecting themselves as the pandemic took hold, and hundreds of Melaphones have gone into Doctors surgeries and other medical environments during this time," Richard explained.

Melaphone also offers the Defender Screen, which provides immediate virus protection for frontline staff. It features a strong, clear wraparound screen incorporating the Melaphone Amplifying Speech Unit, which is cleanroom certified against airborne viruses and bacteria.



The Defender Screen is easily installed using the supplied drilling template and is held firm to the desk with a pair



of high quality steel support brackets. It comes ready assembled and can be operational in a matter of minutes, making it ideal for immediate protection and quick installation. It is constructed using acrylic composite mineral sheet, which is light, easily cleanable, and has a smooth warm touch.

"The company is backed by over 70 years of making high quality plastic objects, so you can rest assured that the Melaphones are incredibly high quality. Nothing is mass produced, everything we do is bespoke to make sure it suits what the customer needs.

We get a lot of people contacting us asking if we can make something for them. We've recently been asked by someone in an engineering company in Burnley to create a mobile Melaphone Defender Screen. Their factory is extremely noisy so they have to shout to each other to be heard, so we're producing a screen that can be moved around the factory so staff can communicate in a safe manner."

Indeed, although these screens are most commonly found in offices and reception areas, they are an ideal addition to noisy workplaces, such as factories and building sites. If you're having to shout at each other to be heard, it can increase the risk of spreading airborne viruses, so a mobile Melaphone Defender Screen would be an ideal way to keep staff safe while maintaining communication.

If you would like to find out how Melaphones can be implemented into your workplace, head to the website or get in touch using the contact details below.

Contact  
T 01359 233191  
[www.melaphone.co.uk](http://www.melaphone.co.uk)



# A green way to improve wellbeing in the workplace



of UPS Creations, Wonderwall produces high quality and unique decorative garden products. With a team that is always thinking outside of the box, creativity is woven into its company culture, focusing on designing and developing products which will transform environments inside and out.

The team comprises passionate and knowledgeable horticultural specialists, combining their wealth of experience to produce some of the UK's most stunning features and living wall designs.

Rick said, "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 producing living wall designs for a stunning internal or external feature. Not only are they aesthetically pleasing, but they can also help reduce your carbon footprint, save energy, improve air quality, and boost staff morale and wellbeing.

And the need for addressing mental health and

Building and Construction Review is proud to announce that USP Creations Ltd, trading as Wonderwall has been chosen to receive our Outdoor Building Services Company of the Year 2020 award. Wonderwall was chosen 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, Director



stress concerns in the workplace has become even more noticeable during the COVID-19 pandemic. Rick added, "Mental health is even more relevant now than ever! Mental health and wellbeing are a big focus for us going forward, as well as the environmental benefits and increase in biodiversity a living wall can bring."

Wonderwall certainly has some exciting plans

to look forward to next year, after a successful 12 months despite the challenges of COVID-19. Rick added, "We have been heavily involved in the Ignition Project at Salford University, for which we were chosen as a partner. The project is looking at ways of implementing green infrastructure, how companies can reduce their carbon footprint, and become more environmentally friendly. We will also be working on a project with Bentley Motors at their manufacturing plant in Crewe."

Rick continued, "We've got some big projects coming up, so watch this space – not just in the UK but around the world! There is also a brand new product that we have been developing over the past years that will be launching in the new year. There are numerous different developments going on for green infrastructure, and we've got plenty more to offer the market in addition to living walls, such as green roofs and water retention products – there's lots of progress going on behind the Wonderwall!"

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

[rick@wonderwall-it.co.uk](mailto:rick@wonderwall-it.co.uk)  
[www.wonderwall.direct](http://www.wonderwall.direct)



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## Proceeding with confidence



3 Reasons Why You Should Consider Laser Scanning On Your Next Build Project.

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3. Streamlined Work Flow – A holistic approach to project work, all project stakeholders can extract their deliverables from the same data like never before.

With vast and varied experience within the surveying industry, it is safe to say Metron know a thing or two about how to make your projects run smoothly. Working with a variety of clients nationwide, Metron is the go to name for all your survey requirements.

For a no obligation chat to find out what we can do for you, give us a call on 020 3916 5980. If you wish to find out more about our company and the projects we work on, you can also give us a like or follow on LinkedIn, Instagram and Twitter.

## Intelligent water monitoring

Intelligent water monitoring checks a range of parameters in order to get a real-time view of system integrity, water characteristics and corrosion. Suitable for use on closed-circuit systems of any size, this type of technology prevents corrosion and system breakdown by flagging up small changes in condition that would lead to more serious (and expensive) issues if left unchecked.

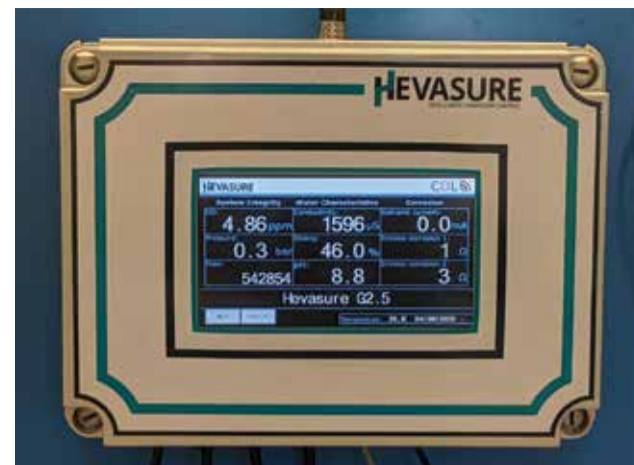
Common applications include commercial premises, in both the public and private sector, district heating systems, data centres and hospitals. Hevasure's 24/7 real-time solution can be used to monitor conditions at all stages of a water system's life, from pre-commissioning cleaning through to handover and on-going maintenance.

Importantly, our state-of-the-art sensors check for Dissolved Oxygen

(DO), something that is not picked up by sampling – the traditional way of checking water condition. DO is the pre-cursor to nearly all types of corrosion, directly resulting in pipe and component degradation and/or providing the right conditions for bacteria to thrive, which can lead to Microbial Induced Corrosion (MIC).

Detecting oxygen's presence, along with the parameters that cause it to enter systems, such as pressure or make-up water flows, is critical. Measuring other contributory factors - pH, inhibitor levels and temperature - provides a full picture, that will lead to more efficient closed-circuit systems, less likely to corrode and fall-foul of expensive repairs.

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



## Heating for Luxury Spaces



Designer radiators are becoming fundamental in bathroom design as well as throughout the whole home. Designed to match today's interiors, our new range of radiator designs create a look capable of transforming your bathroom, living room, bedrooms and kitchen. Choose from something in a traditional style or a more contemporary vibe.

With bathrooms exclusively designed for everyone we wanted to expand our sophisticated heating range to show how nuie can complement any room in your new home with our new aspirational designs.

When design meets functionality, there really is no need to compromise. Nuie understand that it is important to get design right first-time round – the right colour, the right space, the right price. Nuie's new heating collection lets you bring flair and pizzazz to a room looking for the extra little something.

The nuie heating collection boasts a variety of innovative and designer inspired radiators. Our wide range of styles are available in many sizes and finishes to complement all colour palettes in the home, as well as unique design features such as integrated mirrors or towel rails. Pick from vertical or horizontal, compact or large, single or double panel, gloss white or anthracite, nuie really has it all.

It is easy to forget the small things in your home, and re-decorating can get overwhelming at times, that's why we want you to enhance your space with beautiful heating solutions.

Creating a warm cosy sanctuary, lovingly priced. Our range provides the perfect balance between style and practicality. Simply by incorporating one of our styles into an existing home can make a huge impact and difference. Resulting in an ideal decorative replacement for existing radiators in any renovation project.

Including excellent heat output and all proudly CE approved the styles are also backed by an impressive 5-year guarantee for peace of mind. All products are designed and finished to the highest quality making them durable and long lasting. Our choice of radiators are made available through our network of trusted sellers. There are no questions why nuie is the go too brand for your perfect radiator because we believe everyone deserves to have a beautiful bathroom.

See our full heating collection on our website - [www.nuiebathrooms.com](http://www.nuiebathrooms.com)

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# Off-grid heating industry 'willing and able' to deliver more cost-effective route to net zero for rural households

More than 45 leading players in the off gas grid heating industry have written to the Minister of State for Business, Energy and Industrial Strategy (BEIS) underlining their readiness to rapidly deploy a renewable liquid fuel solution to replace oil heating during the 2020s.

The fuel - Hydrotreated Vegetable Oil (HVO) - offers a near 'drop-in' replacement for heating oil (kerosene), avoiding the high installation costs associated with other low carbon heating solutions such as heat pumps and biomass, and promises to cut carbon emissions from oil heated homes by over 90%.

Following successful laboratory tests and European field trials, HVO is now being assessed in homes across the UK. It is expected that these trials will prove conclusively that HVO is a viable option that the

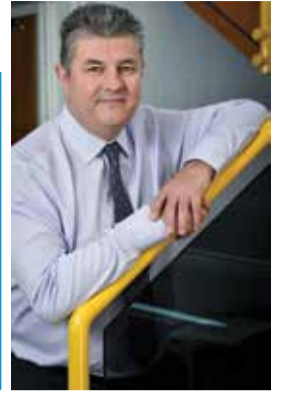
UK government needs to support alongside other renewable heating technologies. Existing homes off the gas grid present a number of decarbonisation challenges - in Great Britain, over 760,000 (65%) are in the least efficient EPC bands E - G making them difficult and expensive to convert to the low carbon technologies the government currently supports.

According to BEIS, the average cost to bring these homes up to an acceptable Band C is £12,300 from Band E and £18,900 from Bands F and G. Fitting an air source heat pump would, on average, add a further £10,900 to these figures, a ground source heat pump some £22,500, and a biomass system around £16,100. Few households can afford these costs. By comparison, converting existing oil heating systems to run on HVO would cost no more than £500 for a working

boiler, or £3,000 if the boiler is broken and needs replacing. There would also be no pressing need to upgrade property insulation, although this is of course preferable to reduce running costs and further minimise carbon emissions.

Supporting HVO through appropriate policies could save rural households and the government many millions of pounds and would ensure practical options are available for all housing types and incomes. While heat pumps offer an excellent solution in the right setting, they are not appropriate for all properties and HVO is the perfect solution to fill that gap.

Contact [www.oftec.org](http://www.oftec.org)



## Renewable liquid fuels

### The future of heating in rural homes

Homes that currently use oil heating need practical and cost effective low carbon solutions.

HVO - a renewable liquid fuel - will soon offer a compelling choice alongside other green alternatives.

For more information, visit the OFTEC website: [www.oftec.org/future-heating](http://www.oftec.org/future-heating)

## Campaign for affordable green heating



## Heartlands Metal Craft Ltd



Heartlands Metal Craft Ltd, based in the West Midlands, the heart of manufacturing, offers quality manufactured gates from wrought iron designs, to steel framed composite clad gates, plus aluminium and wooden options. We also have a vast range of gates and railings from our unique Period Cast Iron Range, inspired by the 19th Century designs originating in Falkirk, Scotland, at the famous Sun Foundry circa 1892.

Heartlands Metal Craft offers a full comprehensive nationwide installation service for all our products detailed above and below including gate automation and access control. As automation specialists, Heartlands provides quality installations exceeding compliance to today's regulations in safety and quality build. Our extensive knowledge in gate automation and access control equipment will deliver you with the best effective system design for your chosen entrance gate, and control from initial assessments through to a thorough handover on completion of our installations.

With our production range extending to balconies, indoor and outdoor balustrades here at Heartlands, we believe we are a company with best practice in operation from receipt of the initial enquiries to site surveys, CAD drawings for customer design approval through to quality production and installation.

Please don't hesitate to contact us for further information at: [www.heartlands.co.uk](http://www.heartlands.co.uk) or call 01384 900260 or email: [info@heartlands.co.uk](mailto:info@heartlands.co.uk)



We understand just how much uncertainty small business owners are facing at this time. Protecting you and your business has never been easier. A life insurance or critical illness/ private medical insurance plan can help protect you, your business or your family financially if the worst were to happen.



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## 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](mailto:info@hadspenquarry.co.uk)**



## Handmade in Brighton



Designer-makers Handmade in Brighton are award-winning creators of stunning live-edge tables. These bespoke statement pieces are hand-crafted using traditional techniques, beautiful hardwoods and unique resin-embedded items such as large ammonite fossils or antique keys to reflect each client's story.

Handmade in Brighton is a designer-maker partnership launched in 2015, producing uniquely crafted tables to a beautifully high standard with particular attention paid to the nuances and character of the natural timber being used. Always prototyping new ideas, the creative partnership of Jude Payne (Royal College of Art trained artist-designer) and Jonathan Vigour (dye-in-the-wool artisan-craftsman) has gone from strength to strength over the last few years, bagging no less than five Best of Houzz awards and a number of 'honourable mentions' in national interiors publications.

Jude's take: "We love making tables that really respond to our clients' own lives - they are totally involved in the design and timber selection, and it's great to know that we are making a centrepiece of home life that will stay with their families for many years."

Jonathan's take: "As an artisan workshop we are committed to a biophilic approach to working with these beautiful timbers, bringing an experience of and connection to the natural world into our 21st century lives."

**T +44 (0)7967 541185**  
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## A developers first steps in to Passive Haus, path finding into a helpful community...

### First steps

The Passive Haus Institute had a huge influence on developing the company's vision and to show the institute the companies support is one of the Pure Haus goals. The principles to work to were very consistent with the company's ethos for sustainability, quality, health and comfort. Taking pride in your home and local community was at the heart of our long term vision; Building Stylish and Sustainable Communities.

### Values Driven

After committing to the goal of reducing the carbon footprint of the built environment the affect was so substantial Pure Haus found themselves promoting

Passive Haus to anyone who would listen to them, there was a new buzz within the company. The first challenge was naming the company.... Pure Haus emerged the winner. Implying a German inspired house builder with a goal of making the world a cleaner, healthier place. The second goal was to identify the people who can help remove assumptions from the equations and replace them with facts.

### Working with like minded people

Aligning with like minded people, who demonstrate this enthusiasm by going above and beyond our expectations, is the driver of this business. Our Builders have taken time to travel and see other sites under construction to learn

a new skills, to say they are excited about timber framed housing and its potential would be an understatement. Working to this standard is an opportunity that's rare; for them to be given a chance to do something worthwhile, get paid, and leave a legacy appealed to them!

### Future challenges

Having secured relationships with financiers and landowners the biggest challenge moving forward is to have the operations of the company scaled up to match the ambition of the company.

### Contact

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



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## 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 Duntons 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.

Duntons Environmental Manager for this project, Adrian Jefimiuk 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)



# New Hydraulic DesignSoftware for HAURATON Surface Drainage Systems

HAURATON's new web-based application 'DesignSoftware' provides construction industry professionals with quick, simple hydraulic analysis, channel sizing, project design and product specification for the company's range of surface drainage systems (for landscape, commercial and civils projects) whilst working on their own desk-top computers, laptops and tablets.

Immediate access for registration and use

of this new hydraulic design software is achieved through the link:

<https://hydraulicdesign.hauraton.com>

User-friendly and free-of-charge, HAURATON 'DesignSoftware' provides engineers with the flexibility to create their own drainage designs and project specifications, with just three clicks to a hydraulic calculation.

HAURATON has used their 'in-house' hydraulic design software to create project designs for over 30 years with total reliability.

In addition to this new software application, HAURATON offers a comprehensive design service, which is also free of charge.

Further information is available at [www.hauraton.co.uk](http://www.hauraton.co.uk) or call 01582 501380.



## Leading services in the water industry

HD 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. HD 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."

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[enquiries@thehdgroup.co.uk](mailto:enquiries@thehdgroup.co.uk)  
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## Hauraton high capacity surface drainage installed at Vertex Business Park, Bristol



The Vertex Business Park is a 4.8 acre site located in the Emersons Green Enterprise zone. Being just four miles from junction 19 on the M4 motorway, the 11 warehouse/office complex has tree lined boulevards and generous landscaped areas incorporating dedicated car parks, concreted access and hard standing designed to handle HGV traffic. With such a large concreted area an effective surface water drainage system was essential.

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

Three sizes of RECYFIX® HICAP® F-2000, 3000 and 5000, with a loading category Class F900 (900kN) were used to drain the HGV hard standing and car park areas at the Park. All the sizes supplied had fixed ductile iron, 14mm

open slot inlets finished with KTL, a rust resistant coating. By affording a superior overall hydraulic performance, the 216 metres of channel installed, provided a water storage volume totalling 8,904 litres.

The HICAP® system generally allows engineers and contractors' flexibility in layout by reducing number of channel runs normally required to drain a given area. This can mean less underground excavations, materials and vastly reduced installation time. Usually as there are fewer runs required, the surface 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 the surface drainage components. So not only must the area be efficiently drained, the installed system has to withstand the twisting forces exerted by truck wheels.

Cat Jones, the Hauraton Project Manager, was certain the company's high capacity channels chosen for this job would easily match the specification demanded by Kore Construction; "The RECYFIX® HICAP® F channel components are made from specially formulated tough RECYCLED polypropylene (PP) and as each one metre channel used, including its ductile iron inlet, weighed less than 25kg it allowed one-man-lift, so greatly simplified the handling and logistics for the contractor who found the combination of a tough PP channel and ductile iron slot inlet highly resisted to site damage during installation".

For Case Study go to [www.drainage-projects.co.uk](http://www.drainage-projects.co.uk)

## Hauraton channels drain Blue Badge scheme parking bays at RHS Wisley

On 10th June 2019, Alan Titchmarsh, MBE, opened the first phase of The Welcome Building and surrounding landscape at Royal Horticultural Society gardens, Wisley, Surrey. The new facility has transformed the experience for visitors to the gardens with new buildings including a spacious arrivals hall, café, shop, plant centre and a 100 seat restaurant. There are now three large car/coach parks including Blue Badge scheme easy access bays for visitors in park two.

One hundred metres of Hauraton RECYFIX® PRO 100 channel system, fitted with FIBRETEC® C250, 9mm HEELSAFE slot gratings, was used by groundwork sub-contractor GPB Construction Ltd to drain the asphalted Blue Badge parking bays for visitors. The channels were installed between the bays and the path leading to the entrance of the new arrivals hall.

Since its launched in February 2010, the RECYFIX® PRO 100 surface water drainage channel, featuring the innovative FIBRETEC® grating, has been specified and successfully installed in numerous United Kingdom drainage projects, including rail station platforms, public squares, shopping malls, sports-fields, tartan running tracks and many other commercial and private applications.

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 cars and commercial delivery vehicles. The design is a



real innovation as its non-corrosive material provides a visually appealing surface finish that retains its black colour.

The FIBRETEC® C250 HEELSAFE slot grating was specifically designed by Hauraton R & D engineers to enhance the flow of water into the channel.

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. This configuration also helps eliminate any cross-flow over the grating.

The RECYFIX® PRO 100 channel component is made from 100% recycled polypropylene (PP). The six sizes offered are 160mm wide and range in height from 75mm to 250mm with the FIBRETEC® grating factory fitted on all models. As the largest unit is only 5.8kg, the channelling is easily handled and quickly installed on site.

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

# Hauraton surface drainage and service channel systems installed at Central Park, Avonmouth

At 600 acres, Central Park, Avonmouth, Bristol is a warehouse and distribution development, strategically located between the M49 motorway on its Eastern boundary and the A403 to the West. These roads connect to the M4(J22) to the North and the M5(J18) to the South. In addition to the excellent road network the development is located near a rail terminal and container port. When fully developed, Central Park is destined to be the South West's largest distribution hub. With the completion of the Phase 1 it already provides distribution warehousing for companies such as Royal Mail, Lidl, Tesco, Next, Warburtons, GKN, The Range, DHL, Amazon, Farmfoods, Davies Turner and CHEP.

The sheer size of the Central Park development has meant that various companies have invested the Park's facilities. A 40 acre site has been built by Berberry, a privately owned property development and investment company based in the West Midlands. They demanded the contractors achieve the highest environmental standards for the surface water drainage systems installed.

With areas designated for HGV access and hard standing, car parks and areas accessed by smaller commercial vehicles, the road and yard surfaces employed included concrete, asphalt and



block paving. This meant various types of surface channelling were required by the contractor, Churngold Construction, to ensure the drainage needs of the site as a whole. Hauraton systems; RECYFIX® HICAP®, FASERFIX® SUPER, RECYFIX® MONOTEC and ENVIROKERB were chosen to meet the drainage requirements. FASERFIX® SERVICE channel was also specified to house cables and coolant pipe-work.

Three sizes of RECYFIX® HICAP® F-1000, 2000 and 3000, were selected, all with a loading category of Class F900 (900kN). This system was used to drain the HGV access and hard standing concreted areas. All the channels supplied are made of RECYCLED polypropylene (PP) with fixed ductile iron, 14mm open slot inlets finished with KTL, a rust resistant coating. The HICAP system has proved in similar applications to resist the weight (up to 44 tonnes) and twisting forces of HGV wheels. By affording a superior overall hydraulic performance, the 302 metre channel runs provide a water storage volume totalling 10,051 litres.

The asphalted areas accessed by HGVs and smaller commercial vehicles were drained by 22 metres of FASERFIX® SUPER 100 Fibre Reinforced Concrete (FRC) channels fitted with Class F900 ductile iron gratings. These channels feature metal protection along their top edges, not only does this detail provide exceptional wear resistance and increased load bearing capability, the components are so strong, even prior to installation they are able to endure the rigours of building sites.

In total 82 metres of RECYFIX® MONOTEC 100x230mm (Loading category Class D400) were used to drain the car park block/asphalt surfaces. 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 RECYCLED 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.

Landscaped roads into the Park incorporated over 492m - ENVIROKERB 305/385mm kerb drainage which complemented the other surface water

channel systems installed.

Tim Connolly Managing Director at Hauraton was pleased that drainage contractor, Churngold Construction, found the ENVIROKERB drainage components easy to install. "Having the appearance of standard concrete kerb, the ENVIROKERB components are in fact made from 100% RECLAIMED polyethylene PET, HDPE and LDPE plastic bottles and packaging materials.

Each half metre component weighs far less than concrete, allowing units to comply with the maximum 25kg "one-man-lift" legislation. In addition, the recycled material is impact resistant making the components almost unbreakable and much less vulnerable to the usual on-site damage prior to pavement and roadway completion".

As well as the surface drainage products supplied, 13 metres of FASERFIX® SERVICE 300 channels with Class E600 ductile iron covers were installed providing protection for cables and coolant pipe-work to two condenser units. The 300mm channel incorporates a perforated steel galvanised cable tray that is suspended within the run keeping the cables and pipe-work clear of any water that may access the channel. The water is then safely drained away.

Cat Jones, the Hauraton Project Manager for this job, commented; "Although the original Hauraton channel selection was agreed, specification changes during construction meant the channels needed to be changed at short notice. Working closely alongside the contractor ensured that when changes were required we quickly provided a solution that ensured site-work could continue without delay. Detailed project management is essential when dealing with large sites".

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

# Acoustic Windows Keep the Peace at former US embassy



When it comes to luxury redevelopments, they don't come much more complex than former US Embassy building No 1 Grosvenor Square with its rebuilt stone façade, SFS on springs and listed building status. The design and installation of sympathetic timber windows and doors for such a project is far from straight forward which means it is ideal for George Barnsdale.

Having seen the work Barnsdales carried out at 20 Grosvenor Square, Lodha decided from a very early stage that the Lincolnshire based manufacturer would supply the fenestration for their own "presidential" project.

Set in the heart of Mayfair with its replica Oval Office, No 1 Grosvenor Square is a prestigious development of high end luxury apartments. One of the key requirements was to mitigate for the underground noise using a complex internal rebuild on giant springs to absorb vibration and sound.

One of the biggest challenges the Barnsdale team had to overcome was installing the windows before the external envelope was completed. This meant that windows were

effectively located mid air using gridlines. This was a highly complex process as window one might be 300mm in front of gridline while window 2 was 1500mm. The result of this was nearly 70 interface drawings!

Commenting Tom Wright, MD at George Barnsdale said "Whilst the SFS was designed to move, the external walls of the building (rebuilt brick and stone façade) remained static so the technical challenge of installing windows in this scenario where there was marked differential movement was considerable. We worked closely with Illbruck to develop and interface that would work with their SFS/façade detail taking into account waterproofing, acoustic and weather performance."

Early involvement enabled George Barnsdale to provide a detailed programme through the tender stage to ensure that the contractor had a good understanding of the critical timeframes and could make the right decisions at the right time. As time progressed, such collaboration with the architect and the wider project team proved invaluable to the process of



overcoming issues as soon as they arose minimising disruption.

The windows themselves were specified to meet the octave specific noise reduction and the whole window's acoustic performance was validated not just the centre pane glazing data.

"Unlike other manufacturers, we don't just rely on glass manufacturer data because as soon as glazing is put into a frame, it's performance is affected. Instead we have a vast array of tested technical and acoustic data as well as the installation detail to ensure accurate calculation of acoustic and thermal performance of the entire window." Tom continued.

Alongside ultra high acoustic performance, the project demanded a very high level of security with integrated security contacts and fitted custom handles to the doors.

Contact  
[www.georgebarnsdale.co.uk](http://www.georgebarnsdale.co.uk)

## Expert advice on all things timber decking and cladding



### TIMBER DECKING AND CLADDING ASSOCIATION

TDCA, the Timber Decking and Cladding Association, is a non-profit organisation acting as a technical and advisory body for the UK timber decking and timber cladding industries.

As a recognised and reliable source of expert opinion in the UK, TDCA can assist both large commercial contractors and individuals undertaking residential projects, advising on areas such as the correct specification of materials, installation guidance, and ongoing care and maintenance of timber decking and timber cladding.

At the organisation's heart is the mission to ensure that all decking and cladding installations conform to appropriate standards. Its membership base is made up of likeminded companies and individuals with a passion for quality, high standards of service, and exceeding performance expectations.

For this reason, TDCA only welcomes companies that can demonstrate this commitment to excellence, guaranteeing that choosing a TDCA approved supplier will give you a long-lasting, professional result.

While the TDCA develops an ever-growing list of approved suppliers and installers, the organisation operates the DeckMark and CladMark quality schemes, which demonstrate the high quality and longevity of the materials that have been approved, or the high standards of the installer that has been accredited.

Both the DeckMark and CladMark schemes require a full audit and assessment of the business in question, prior to any accreditation being awarded followed by annual surveillance audits thereafter. Businesses which do not meet the standards are then advised on how they can improve to achieve the accreditation in



Source: Marley Ltd and Deckbuilders Ltd



the future.

In addition, the TDCA can offer a number of expert services to help resolve difficulties with timber decking and cladding projects. Ideal for home owners, architects, surveyors, structural engineers and other organisations, the TDCA's work can include assessing the structural integrity and construction techniques of existing decks, general condition surveys and maintenance reviews, assessing material faults and causes, and advising on correct material specification.

This is all underpinned by the TDCA website, which acts as an in depth information resource for anything to do with timber decking and timber cladding. The

organisation offers numerous technical and guidance publications, many of which are freely available to registered users of the website. There is also a gallery to provide inspiration for new projects, and an FAQs section to help with common queries.

Whatever the size of your timber decking or cladding project, the TDCA has plenty of expert information available. Whether you're looking for design, specification, product selection, installation or maintenance, the TDCA has everything you need.

If you would like to find out more information on becoming a member of the TDCA, or find an approved supplier through the website, see the details below to get in touch.

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# Harlequin Floors

Harlequin is the world leader in advanced technology floors for the performing arts. Established as the industry choice for architects, building contractors and the world's most prestigious dance and performing arts companies, Harlequin's experience and reputation are founded on the design, manufacture and supply of a range of high quality portable and permanent sprung and vinyl floors, ballet bars and mirrors for dance studios and performance spaces.

Forty years after its creation, Harlequin remains as global

leader in its field with offices in Europe, The Americas and Asia Pacific. Specifying the correct dance floor makes an important contribution to the safe performance of dancers without the risk of slips and falls or longer-term stress injuries. A good dance floor instils confidence in dancers to give full expression to their creativity, safe in the knowledge the dance floor will offer a consistent response. Harlequin Floors have developed floors specifically for dance, offering the exact requirements needed for varying genres of dance, which commercial grade, industrial and sports floors cannot.

Research in recent years has identified a correlation between the consistency of dance floors and injuries incurred by dancers. When specifying a floor for dance, using general flooring or sports floor standards will not ensure the right floor is installed. Only a floor developed specifically for dance will do. There have been some high profile examples where floors have had to be replaced by a dance company after the building is complete because the floor was not considered fit for purpose by the dancers using it.

For all your performance floor needs, please contact our technical team:



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Suitable for use with most liquids, the Liquid Tank spreader can be used to provide an even, consistent coverage with membrane adhesives or liquid coatings.

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## Maintenance free solutions for decking and landscaping



Did you know that many real wood decks require full replacement within seven years of installation? This coupled with annual maintenance costs for labour and materials can make your wooden deck very expensive in the long run and if you are doing it yourself it's going to use up a lot of your time. Time that could be spent enjoying your garden instead.

A Gardening Express survey found that homeowners change their patio or deck six times over the course of their gardening lifetime at a cost of around £9000.

Fortunately, if you are installing or replacing your deck there is a solution in the form of recycled plastic decking. A long-lasting alternative to wood.

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## The Van Insurer reports a boost in quote requests from UK's van drivers

As the UK continues its exit out of lockdown, leading insurance price comparison specialist The Van Insurer has reported a significant increase in quote requests as the nation's van drivers get back out on the road.

The online price comparison expert processed 15 per cent more quote requests from van drivers in June compared with the previous month and noted a sizeable 52 per cent rise in requests between April and June this year, as the nation eased out of lockdown.

The Van Insurer's year-on-year statistics provide a further boost with quote requests rising by an impressive 41 per cent between June 2019 and June 2020, suggesting a positive outlook for the sector.

Ed Bevis, Commercial and Marketing Manager at The Van Insurer, says: 'There's no doubt that it's been a gloomy time for the industry but this data indicates a growing confidence in the sector, and it couldn't have come at a better time.'

'In addition to quote requests, we've

noted a staggering 67 per cent more hits on The Van Insurer's website between April and June. Whether that's due to people changing career due to coronavirus and needing a van for work, or van drivers looking for the best advice on how to save money during this difficult period, we're primed and ready to help them however we can.

'We know that every industry will take time to recover from the impact of the pandemic but we're pleased to be able to report some good news and are hopeful that this upward trend will continue as we ease further out of lockdown'.

For more information on The Van Insurer and its 'Cheapest Price Guarantee', visit [www.thevaninsurer.co.uk](http://www.thevaninsurer.co.uk)



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## Public Sculpture



Art for the public to enjoy has taken many forms from the Pyramids and Sphinx in Ancient Egypt with its quasi religious and Royal elements through the classical Greeks and Romans setting the standard in the body beautiful of gods and goddesses and their triumphal depictions of heroes both mythical and real.

The renaissance was really the next wave to influence public art and again religion was the main source of inspiration with Michaelangelo's David and La Pieta probably the best known.

This heavily influenced the next movement which was a combination of the effects of the grand tour with many famous collections both private and public built up combined with the surge of the Georgians and Victorians commemorating the heroes of the day with possibly Nelson's Column being the most famous.

It was then that nonrepresentational art emerged with The Eiffel Tower in Paris being the most obvious example followed in yet another direction by Henry Moore and Barbara Hepworth making Abstract a controversial for some and popular for others, break from tradition.

The present day is heir to all these influences which pull in so many different directions and is spread like a feast to be picked over and chosen from with discretion and taste.

Peter de Saumarez director of ArtParks International and its massive Sculpture Website, says that it is fascinating to see such a variety of different works and styles that are being chosen to embellish Public spaces, Hotels and Offices where it is essential to have only the best.

Specifiers, Interior Designers, Planners seem to find nearly 500 categories of thousands of sculptures from all over the world an easy and ready source for inspiration, selection and commissioning Art for today.

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# WJ Timber Treatments launches new 100% non-toxic fire retardant

BURNBLOCK is a non-toxic and highly effective fire-retardant formula. A water-based treatment that is composed of 100% natural ingredients, BURNBLOCK is fully biodegradable – a UK first in treating sawn timbers.

Tested and certified to the highest European fire ratings by the most recognised institutes in Europe, BURNBLOCK is one of the most innovative and environmentally friendly fire-retardant businesses in the world. Institutions that have certified the treatment include RI.SE (SP-Fire) in Sweden, MPA in Germany and BRE in Great Britain.

Exclusively available in the UK at WJ Timber Treatments, BURNBLOCK treated timber effectively extends the

length of time between initial ignition and the point where a fire is out of control, providing more time for people to escape in the event of a fire. It also limits costs in terms of damage caused.

It works by effectively preventing oxygen – one of the three elements required for ignition and fire continuance, from reaching the treated object. Without oxygen in the chain reaction, the risk of ignition is greatly reduced and the speed at which any flame spreads is vastly decreased.

BURNBLOCK has also been tested in order to prove and substantiate its environmental credentials. The solution holds a neutral pH value of 7.2 and none of its elements contain toxic substances. As a result, nothing

found in the BURNBLOCK solution is included on the list of Substances of Very High Concern (SVHC).

Applied in a specialist facility using the latest high-pressure treatment technology, BURNBLOCK is applied via an impregnation process, through the use of an autoclave. The treatment is clear and invisible, leaving no staining or grease on the material as a result.

All substantiating documentation is provided with each treatment in order to provide customers with the assurances in relation to both quality and compliance.

T 01482 338950  
[info@wj-group.co.uk](mailto:info@wj-group.co.uk)  
[www.wj-group.co.uk](http://www.wj-group.co.uk)



## Timbermark helps Swiss Krono develop export sales with high quality marking on OSB panels



Swiss Krono Group, one of the world's leading manufacturers of OSB panels, has become the latest international customer for printing and marking systems specialist, Timbermark.

Swiss Krono approached Timbermark at the start of 2020 regarding a marking project at its production site in Hungary. A large export order had been rejected by their customer for including illegible marking. The company had been using a large character printer to add traceability information to their OSB panels, but with the production line operating at speeds of 120m/minute, the LCP was not able to produce a consistently legible mark.

Timbermark proposed using a handheld inkjet printer in the first instance to recover the rejected panels, and Swiss Krono was able to save approximately 3000m<sup>2</sup> of stock by re-applying the mark. They used the Sojet D1 'Dragon' handheld printer, which is low cost, low maintenance and uses Hewlett Packard print technology to provide a high quality, high resolution print.

Impressed by the print quality and user-friendly interface offered by the Sojet product, Swiss Krono wanted to install a printer onto the production line in Hungary to mark all panels as they are produced.

Timbermark designed and installed a printer system on the main OSB production line. The system has 3 print heads with floating skids on a moving cross beam, controlled from a PLC to change height automatically according to the panel thickness.

The finished system is fast and accurate, producing a high-quality print that enables Swiss Krono to include their logo as well as the traceability information their customers need.

The enhanced quality of the mark has enabled Swiss Krono to consolidate their export sales volumes, ensuring all production is legibly and attractively marked.

T 0870 803 1877  
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Regulations 2002 (COSHH). Our P601 Trained Testing Engineers will give you peace of mind that your LEV conforms with COSHH Regulation 9 as detailed in HSE Guide HSG258. Whether you are interested in LEV Testing or Extraction Cleaning Services, we cover the whole of the UK with Regular Cleaning and Testing Packages Available. Many other services are also available.


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**Radon is a radioactive gas**




**It collects in buildings**



**1,100**  
Lung cancer deaths per year linked to radon



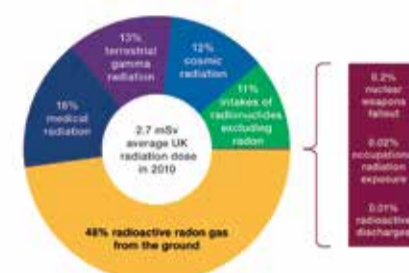
**Radon is identified as a potential hazard in HHSRS**



**A map of radon affected areas and details of our services are online at**  
www.ukradon.org

Contact the Radon Group at PHE by email: [radon@phe.gov.uk](mailto:radon@phe.gov.uk)  
 or phone: **01235 822622** for more information and guidance

## Radon



Breakdown of the average UK radiation dose in 2010 by source of exposure

PHE has four decades' experience and expertise in delivering radon programmes. Our measurement service and advice are underpinned by our scientific research. We provide radon monitors, advise you on how to check your buildings and what to do when action is needed.

**What is radon?** Radon is a radioactive gas. You can't see, smell or taste it. Radon accounts for half of the average UK radiation Dose.

**What is the risk?** Radon produces radioactive particles that we breathe in, which damage our lungs and increase the risk of lung cancer.

**What is my responsibility as a landlord?** Under the 2004 Housing Act you have a duty to provide a safe home. You should consider radon.

**What is my responsibility as an employer?** Under the Health and Safety at Work Act 1974, you have a responsibility to ensure the Health and Safety of your employees.

**How can PHE help?** We can guide you through the check, measure, act process to ensure safety for your tenants and employees.

Visit our website [www.ukradon.org](http://www.ukradon.org) to use the interactive radon map. You can also find information about radon testing, building remediation and lots of helpful FAQs.

Email us on [radon@phe.gov.uk](mailto:radon@phe.gov.uk) if you have any questions.



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## Heritage and Contemporary Homes Enhanced by Shou Sugi Ban®

Do your build projects demand construction materials that deliver visual aesthetics, environmentally sustainability and long-lasting performance? Let us introduce Shou Sugi Ban® charred timber cladding.



Exterior Solutions has learnt and developed the traditional Japanese technique of charring timbers. Our expert team created the Shou Sugi Ban® range to offer a variety of coloured, grained and textured finishes. From award-winning contemporary design to the sensitive renovation of heritage sites, our charred timber cladding fits the brief.

All our sustainably-sourced timbers undergo a controlled burning process at our on-site workshop, with exceptional quality controls. The natural resins are drawn out and carbon forms the surface layer. It seems contrary, but the process of charring timber increases its resilience to burning, as well as providing natural weatherproofing.

Whether used internally or externally, our timber boards are supplied fully treated and ready to install. Low maintenance and with a lower environmental impact, they can provide a practical and impressive finishing touch to your build project.

Download the Shou Sugi Ban® catalogue from our website, or contact Exterior Solutions on 01494 711800 for samples, or to arrange a visit to our Buckinghamshire showroom.

## Adveco L70 ASHP For Hot Water With 70% Less CO<sub>2</sub>

Able to draw and transfer thermal energy from air, Air Source Heat Pumps (ASHP) under the right circumstances represent an efficient way to significantly reduce the carbon emissions of a building. Commercial hot water and heating specialist Adveco now extends its ASHP offering with the Adveco L70, a high capacity monobloc air-to-water heat pump.



Bill Sinclair, technical director, Adveco said, "In conjunction with Adveco's bespoke application design, the L70 offers a comprehensive response for sustainable hybrid domestic hot water (DHW) and heating, providing high-efficiency, low-emission, low cost to operate systems."

Calibrated for the UK climate, the L70 operates with ambient temperatures of -20 to +35°C. When temperatures plummet, the L70 automatically provides built-in frost protection.

Achieving water temperatures up to 60°C, the L70 can be used to supply preheat for hybrid applications with regular hot water demand. The L70 will dramatically lower CO<sub>2</sub> when analysed using the carbon intensity figures from the new SAP10. Compared to gas-fired systems the carbon emissions are reduced by around 70%, when using the SCOP of 3.47 (Ecodesign reference design temperature of 2°C for the UK and water temperature at 55°C).

T 01252 551540  
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www.adveco.co

## 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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## Braving the Storms

With Winter fast approaching the weather has undoubtedly already taken a turn for the worse. After basking in days of sunshine we are now heading for wet and rainy days as the British weather sets in, and issues will, no doubt, start to arise with poorly maintained roofs.

Weather conditions can be harsh on exterior structures, and changes from hot to cold temperatures make their mark on coatings and coverings exposed to the climates and UV radiation throughout the year. Cracking, peeling, blistering, thermal stress, surface erosion of protective roofing membranes are all common

problems related to weathering which ultimately results in installation failures and subsequent expensive leaks and structural damages to repair or put right.

At Bond It, we have tried to make choosing the right product a simple process. We offer a wide range of roofing products to cover all aspects of roofing from combating leaks to improving efficiency.

Under our Bitubond brand we have put together everything you need as a Professional Roofer for new build and maintenance projects which provide immediate and safe waterproofing

solutions. Products that have been designed and manufactured for the job in hand.

Available in an array of sizes the Roofing portfolio encompasses waterproofing compounds, high performance solar reflective solutions, all weather roof compounds, primers, felt adhesive, self-adhesive flashing tapes, DPC, chipping solution, and tanking membranes.

All high quality, UK manufactured products with tried and tested formulations that have been used



in the industry for nearly 2 decades. All ready to use from the tins and requiring no heavy heating equipment to apply, the range is simple but effective.

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Stairkraft are pleased to announce the launch of their innovative Faux Cantilever Stair. Make your stairs a unique and individual feature, enhancing your home and adding value to your property.

They have developed an ingenious and inspired system of support, which eliminates the requirement for either, a substantially built support wall, or incorporation of any additional steel support frame; normally a prerequisite of a cantilever stair.

Furthermore, for prospective clients refurbishing and replacing an existing stair, the faux cantilever can be installed without the mess and disruption caused by the removal of the existing plaster finishes, making for a more timely and hassle-free installation experience.

Together with the obvious time benefit, the Faux Cantilever stair can be manufactured and installed for a significantly lower price than that of a conventional cantilever stair.

Stairkraft offer a complete service, from design to installation. All stairs start by being created in Stairkraft's own Design studio, utilizing the latest 3D CAD systems. They are manufactured in their own purpose-built factory in Sheffield, employing the latest technology and engineering whilst still embracing traditional craftsmanship. They are then installed by Stairkraft's skilled operatives.

The stairs are available in a range of materials, styles and finishes, including glass treads.

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	Per Load at a rate of £5.50 per tonne	Per Day at 4 Loads a day	Per 5 Day Week at 4 loads a day	Per Year - based on 47 working weeks
<b>Rigid Truck at Max Payload 19.2 Tonne</b>	£105.60	£422.40	£2112	£99,264
<b>Artic &amp; Trailer at Max Payload 28.7 Tonne</b>	£157.85	£631.40	£3157	<b>£148,379</b>

TESTED AND CERTIFIED AT 8 1/2' WITH 28.9 TONS LOCKED IN LOAD

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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.

Since incineration toilets do not require the installation of a water supply or costly septic systems, and do not demand ongoing and messy work to process waste, their slightly higher unit price is heavily offset by lower maintenance over time, providing a substantially lower total cost of ownership than other solutions, both in terms of money and headache.

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## Robust UK renews Secured by Design membership

Stoke-on-Trent's Robust UK continues to lead the field in security solutions, recently renewing their membership with Secured by Design (SBD), the national Police crime prevention initiative. Offering custom-made steel door solutions, Robust UK manufacture a wide range of products to suit both the Industrial and Commercial sectors. Their product range includes doors for use throughout a building, from entrances & exits, to basements and roof

plant rooms.

Since moving into a new factory in 2015, Robust UK have been able to manufacture their whole product range on site. This has enabled them to add to their extensive portfolio of Secured by Design approved doors, recently certifying their GLAS-DOR and TUFF-VENT products to PAS 24: 2016.

Paul Williams, Sales Director of Robust

UK said: "Secured by Design is a widely recognised and respected standard and it's important to Robust as a trade supplier to be able to support our customers with doors which meet the wide variety of specifications we are asked to provide."

Robust UK's commitment to product development is unrivalled and really shows their ambition within the door industry.



You can find more information about their Secured by Design listed products on their website: [www.robust-uk.com](http://www.robust-uk.com).

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## Architectural hardware at its best



Founded in 2010, Zoo Hardware has grown rapidly over the last ten years and now features a team of over 40 expert staff members.

One of the company's notable new ranges is the Flexifire intumescent ironmongery protection products, which add an extra level of protection in the event of a fire. These are ultra-thin and flexible high performance intumescent sheets which feature high levels of expansion and insulation, preventing heat transfer on ironmongery rebated into timber doors.

These sheets are safe to handle, with no fibres or irritants, and are only 1-2mm thick, ensuring minimal rebating is required. What's more, Flexifire products are flexible and clean to work with, with the ability to bend without cracking. They are also easy to cut into shape with household scissors and can be provided with or without adhesive backing. Finally, Flexifire intumescent sheets are unaffected by moisture, humidity, atmospheric pollution, and other common industrial and household chemical substances.

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

**T 01228 672900**  
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STANZA is part of Zoo Hardware Ltd.



## BCAL Consulting



BCAL Consulting is a Structural and Civil Engineering practice based in Wellingborough, Northamptonshire. It was established in 1983 and has expanded to include very successful Principle Designer and CDM adviser services. BCAL Consulting has the skills and organisation to lead projects from inception to completion. We advise on all stages of the construction engineering process, from pre-acquisition assessments to post occupancy. We work on projects throughout the country and are situated in an ideal geographical position to be able to travel to sites easily.

Our experience has enabled us to develop a clear objective to provide efficient and well-engineered design solutions within a framework of effective cost control, with an uncompromising commitment to quality and service. We take pride in the fact that a significant portion of our work is repeat business from satisfied clients, or recommendations from fellow professionals. We believe this is testimony to the quality of service and commitment we offer to each and every commission.

BCAL Consulting is at the leading edge of the use of Building Information Modelling (BIM) and the production of 'Digital Twins' alongside the physically constructed project. We invest heavily in the latest software and training to ensure that we can add value to a project. BIM enables the information exchange throughout the design team to ensure an effective and efficient design.

**At BCAL Consulting we pride ourselves on the service we give to our clients. If you have a project you would like a quote for, please get in contact either by phone on 01933 440024 or email: [enquiries@bcal.co.uk](mailto:enquiries@bcal.co.uk)**

## Fisher & Company

Fisher & Company make a range of products for Highways, Street Lighting and Outdoor Power Supply including EV Charging Pillars and Solar Belisha Beacons. Have a look at [www.fisherandcompany.co.uk](http://www.fisherandcompany.co.uk) to see what else we can do.



In 38 years of manufacturing we've developed a reputation for high quality and reliability. We also have earned ourselves a niche for bespoke work and because we manufacture almost everything in our own factory in Somerset we have total control over the materials and production process. All this ensures that our customers enjoy a great service as well as excellent products backed up by our Feefo reviews.

Currently in the process of obtaining ISO 9001:2015 we are always looking to improve what we do and being certified will give our customer old and new additional reassurance that they are being looked after in the best way possible.

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## MEAD Consulting

MEAD, was founded by Kym Mead in 2014 as an independent consultancy specialising in 'low-energy' buildings, offering impartial advice to industry professionals and aspiring self-builders.

Our aim is to reduce the energy demand of domestic and non-domestic buildings, whilst also providing excellent indoor air quality and comfort levels.

Our approach is to cost effectively improve the building fabric and services whilst using the local environment to enhance the comfort levels throughout the year.

Prior to founding MEAD, Kym worked for a number of architectural practices advising on construction techniques and sustainability issues before moving to the Building Research Establishment (BRE) as 'Head of Low Carbon Buildings'. There he consulted to a wide range of clients including small and medium enterprises (SMEs), large house builders as

well as local and national governments.

During his time at BRE, Kym frequently travelled to the US, China and South Africa advising on sustainability issues and creating leads for wider business opportunities. His work included advising on the restoration of listed buildings in Johannesburg, supporting government agencies on innovative developments in Portland, Oregon and authoring the sustainability framework for a new city in Chongqing, China, as part of the 'Future Cities' programme.

Kym has also completed an internship at the Passivhaus Institute in Germany and has worked closely with Bath and Cardiff Universities as an 'Industry Supervisor' for PhD students, whilst also supporting the UK Passivhaus Trust, and Passivhaus Institute in Germany as part of their technical panel helping to shape the future of the standard.

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## G-DECK Launches Affordable, Robust Lift Shaft Gate

G-DECK, the construction safety decking specialist, has added a robust Lift Shaft Gate to its range of site safety products, providing a flexible solution to prevent falls from height with a price tag of just £475.

Designed by the expert team at G-DECK with the same safety first approach to functionality as the company's G-DECK, G-DECK Lite and G-DECK Dual systems, the G-DECK Lift Shaft Gate can be installed in just five minutes using a simple self-tapping concrete bolt.

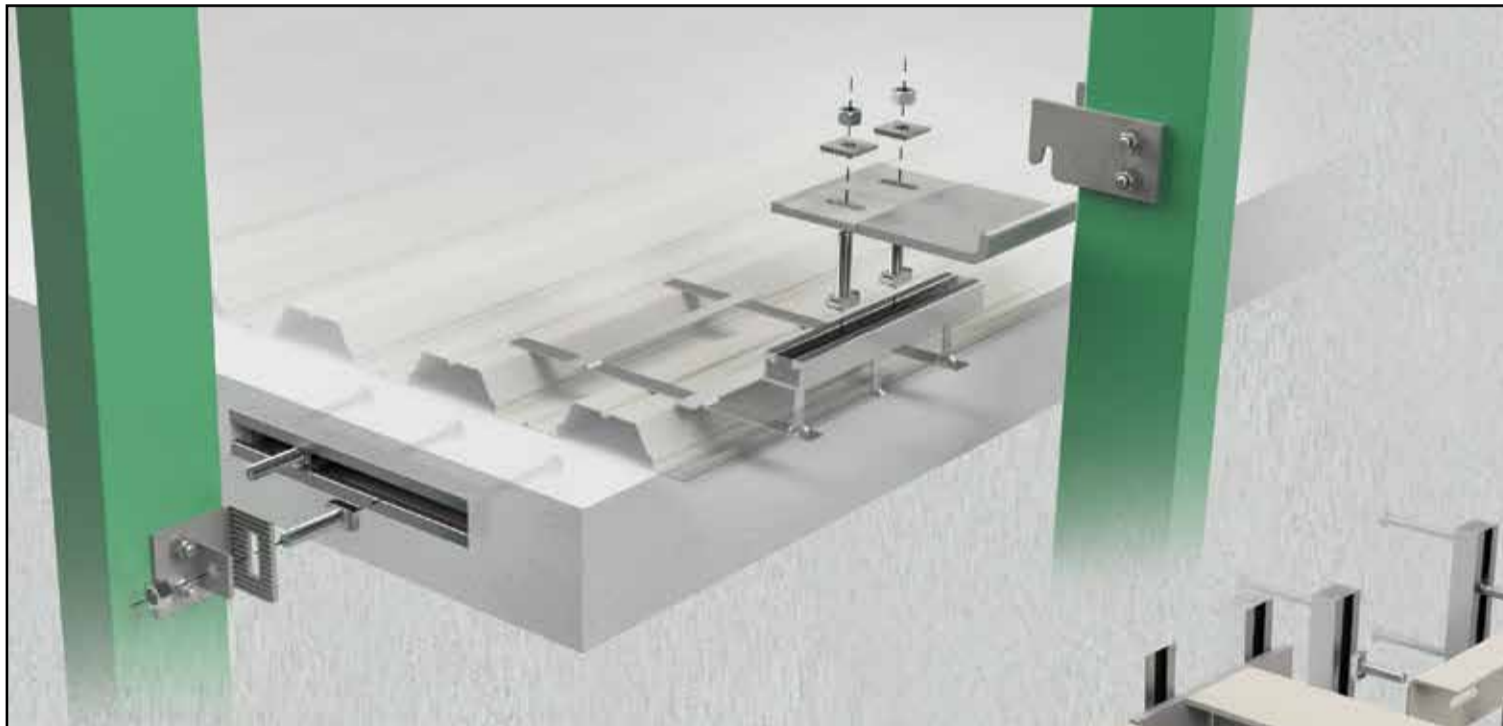
Once in place, the G-DECK Lift Shaft Gate provides a sturdy barrier to prevent falls, while offering the flexibility for site workers to carry out work within the void without removing the gate.

Designed and manufactured to the highest standards, the G-DECK Lift Shaft Gate is compliant with BS EN13374: 2013 Class A, and has been fully tested by independent testing experts, Tesmec. A standard set size, which includes a gate and one wing, is 1800mm (w) x 2200 (h) and you can extend for bigger voids by adding wings which

are 600mm (w) x 2200mm (h) to enable complete flexibility.

In addition to selling the Lift Shaft Gate direct to construction companies, G-DECK is already gaining significant interest in the product from scaffolding companies, which can earn additional revenue on projects by renting out Lift Shaft Gates as part of a complete access and safety solution.

Contact [www.gdecking.com](http://www.gdecking.com)



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With over 18 years' experience, Rubberseal have become one of the country's leading specialists in non-flame application, flat roofing and waterproofing systems.

We pride ourselves largely on our innovative approach towards encouraging sustainable practices in the industry and our commitment to supplying quality roofing materials.

Rubberseal are the main UK importer and distributor of Firestone EPDM, lightweight metal roofing and liquid roofing systems. Our very own Liquiflex-Pro roofing system is the latest addition to our product range, excelling in the long term, watertight protection of various projects across the roofing, rail and construction industry. Our green roof system has been hailed upon as revolutionary thanks to its clever, modular tray design, saving time on installation while contributing to a greener planet.

Rubberseal are continuously adapting and growing into changing times. In fact, amidst the COVID 19 global pandemic, Rubberseal have continued to soar, acclimatising to new restrictions while achieving a record breaking 5 months! From superior products to inventive tools, our industry expertise has enabled us to forward think, bringing a unique liquid applicator to the UK and a completely self-adhesive felt system (designed in house) to the year 2020.

As a Company, we offer unmatched proficiency and customer service. Our dedicated team made up of Area Managers, Laboratory Technicians and Technical Representatives are armed with an abundance of industry knowledge and infrastructure, ready to support our wonderful clients.

Communication is very much at the heart of what we do, including our social media presence. We take pride in establishing and fostering effective working relationships through both traditional and modern means.

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

**Rubberseal**  
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# Bespoke passive house in Manchester from Passive Building Structures

Passive Building Structures is completing a large new passive house in Didsbury, Manchester, offering a contemporary take on the surrounding traditional architecture.

As a leading ICF building envelope specialist, Passive Building Structures is using its fully integrated system to meet passive house airtightness, U-values and thermal bridging requirements, creating a building with a floor area of just under 5,000 ft<sup>2</sup> over three floors.

All of the floors, walls and the roof meet a U-value of 0.11, which includes an insulated raft foundation with two layers of 150 mm EPS.

This is in addition to ICF walls which feature a 200 mm concrete core sandwiched between an inner layer of 108 mm EPS and an outer layer with 108 mm plus another 102 mm EPS.



Passive Building Structures' rapid roof ultra-panel, which consists of 300 mm EPS, has been engineered to eliminate any purlins or collar ties, meaning it promotes open plan living.

What's more, the company supplied and erected internal load bearing ICF walls, and the house also boasts precast concrete floors and internal stairs on two floors.

There is also a 1.5 metre cantilever to the front elevation on the first floor, which had to be offset for protection of tree roots on site. The cantilever is fully incorporated into the building as well as being fully insulated, ensuring zero cold bridging.

It has been created with reinforced concrete beams integrated into the wall and insulated raft foundation, eliminating the need for exposed structural steels. The building will also soon boast passive house certified windows and MVHR.

Key to Passive Building Structures' offering is the fact it delivers a complete thermal building fabric on its projects.

Incorporating unique details into its system, all of Passive Building Structures' components are

interconnected and are integral elements to the overall project. The system is poured monolithically from floor to floor.

Specialising in delivering bespoke, high-end developments, some of Passive Building Structures' previous projects include architect Donn Ponninghaus's

RTE Home of the Year winning passive house in west Cork.

You can follow the Didsbury project on the company's Instagram page: @pbs\_icf

[www.instagram.com/pbs\\_icf](http://www.instagram.com/pbs_icf)



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# Is portable accommodation the answer to construction's fight with coronavirus?

By Benjamin Rothwell, Business Development Manager at Bunkabin

As the UK adapts to the 'new normal' caused by the coronavirus outbreak, the construction industry is faced with a difficult path, as companies cannot simply return to their old work practices with social distancing restrictions in place. This leaves construction companies with a need to adopt agile and reactive processes in order to be ready for any more challenges that are thrown at them. One way to achieve this level of flexibility is portable accommodation.

Bunkabin is the leading supplier of site sleepers and welfare units, which have already proven to be popular

within the construction sector. These units provide sleeping, kitchen, dining, shower and toilet facilities for workers, with robust protection from the elements. Hiring these cabins can offer businesses a number of potential safety advantages, allowing them to have high-quality temporary accommodation shipped out to any location at short notice.

They are easy to clean and maintain, allow staff to avoid daily commutes and make it much easier for managers to operate a relatively controlled environment. What's more, the mobile nature of these accommodation units makes them perfect for planning flexibly when worker availability and project timelines cannot be reliably predicted.

This gives construction firms valuable breathing room at a time when guaranteed outcomes are a rare luxury. By judging the scope and requirements of each project on a short-term basis and investing in portable accommodation accordingly, firms can find the flexibility they will need to make the most of the opportunities that are still available to them.

COVID-19 still poses a real threat to the construction industry's traditional business models and ways of working. As such, companies that are able to adapt the quickest with new solutions stand the biggest chance of emerging from this challenging period in the best shape.

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



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- ▲ Healthcare (baths with shower hoses, clothes and dishwashing machines)
  - ▲ Bidet washing
  - ▲ Sinks with hoses
  - ▲ Non-domestic Hose Union taps

Three models offer differing flow characteristics; Midi-1 is commonly specified for a shower, Midi-2A for a single tap and Midi-3A for washdown. Optional accessories aid installation and boost potential in application -

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"Midi-Break" is supplied factory tested, ready for wall mounting.

For higher flow rates and/or demand see "Boost-a-Break".

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