

Building & Construction Review



Zoo Architectural Hardware

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

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

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

The Zoo Hardware product ranges cover all aspects of architectural ironmongery, including: **Vier** – a precision design range of levers,

hinges, door closers, DIN locks and cylinders created for the exacting needs of Architects, Specifiers and Contractors; **Fulton & Bray** – traditional and classic brass door hardware and accessories ideal for period and contemporary properties; **Rosso Maniglie** – an Italian inspired zinc designer lever and accessories range perfect for home owners and housebuilders; and **Foxcote Foundries** – a wide range of traditional black antique door furniture and window fittings.

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



STAND OUT FROM THE CROWD WITH ENGEL 'SAFETY'



No matter what the job, if it involves working out in the open, day or night or whatever the weather, it's

important to be easily seen. Engel Workwear offers a comprehensive collection of water and wind resistant, high-visibility, protective outer-clothing which caters for almost every work situation helping wearers to keep both safe and comfortable whatever the circumstances.

Made from fluorescent Polyester or Polyester and cotton mix suitable for industrial laundering and all fully complying with European and International safety and protection standards, the Engel 'Safety' range consists of jackets, trousers, bib-overalls, boiler suits, safety vests, sweat shirts and for the warmer months, T shirts and shorts. But to be prepared for colder

snaps, especially whilst working during the night, the COMBINE shell jackets with an inner zip-up layer give added warmth.

Available in all sizes with many of the items specifically designed to be especially comfortable for women, the Engel Workwear 'SAFETY' collection is available predominantly in fluorescent orange or yellow with 'LOXY' reflector bands for maximum visibility.

For more details visit: www.engel.eu/en or contact Gareth Bladen at gbl@f-engel.com or on +44 (0)7759 520034



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ROSSO MANIGLIE
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Rosso Maniglie is our exclusive range of Italian inspired designer levers. Produced using a zinc base material and manufactured to the highest standards, this range takes designer levers to the next level.

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E : sales@zoo-hardware.co.uk
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For further information on this range visit our website or call one of our friendly sales team.

Rosso Maniglie is part of Zoo Hardware Ltd.

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Trusted Ecology Consultancy



Within this issue of Building and Construction Review, we are

proud to feature leading consultancy company Richard Graves Associates for their ongoing commitment and work within the development and construction industry.

Richard Graves Associates is an ecological consultancy company for the development/construction industry. First established in 2012 by Richard Graves, the company delivers an all-encompassing consultancy service that provides expert advice and assessments on its clients' developments, to produce the most compliant ecological development possible to eliminate and minimise the impact on the surroundings and wildlife.

Richard Graves began his journey into ecological consultancy in 1999, and with 20 years of experience and knowledge Richard has gained a great reputation for his ecological services. Richard has been acknowledged by various organisations, including the Chartered Institute of Ecology and Environmental Management for his outstanding contribution to the profession of ecology and environmental management. Richard has gained recognition on a global scale and is regarded as an expert in bat ecology and bat surveys.

In terms of services, Richard Graves Associates covers before, during and after development consultancy. Advising on ecological issues

and helping its clients maintain compliancy and meet environmental regulations, Richard Graves Associates assists its clients to implement and accomplish ecologically approved development planning. Using their years of knowledge and expertise, the team at Richard Graves Associates provides a dedicated service for clients and advises on various ways to incorporate, prove and sustain ecological compliancy.

"Between the two of us and our network of associates, we hold a wealth of experience in Ecology and we pride ourselves on delivering a trusted service. Most of the clients we work with are on a repeat basis and we work closely with clients to provide the best service for them," said Richard Graves.

Due to human intervention and the increase in population, many species are dependent on the preservation of certain lands to maintain the plants' and animals' habitat. Through their dependence on the preservation of certain sites and habitats, many species are protected in the UK and/or subject to biodiversity action plans.

The importance of maintaining a clear ecological plan for developments is fundamental for developers, within UK legislation there are strict regulations on the conservation and protection of certain wildlife and habitats. Richard Graves Associates assists their clients in identifying these certain species

and habitats that are regulated under these laws and provides an ecological assessment of clients' developments to assess, pre-empt and formulate an effective environmentally compliant solution.

Offering an array of services ranging from pre-purchase and pre-application surveys and information, to obtaining ecological accreditations, licenses, evidence and implementing solutions such as green infrastructures and management plans – Richard Graves Associates provides in-depth consultancy services to assist their clients throughout the whole process. In addition to these services, the company also provides an



continued, "We can help clients by looking into a site before even buying the land. We can assess the ecological requirements of the site and help our clients start to think about what they will need to do and what they can put in place to help them remain ecologically compliant."

Richard Graves Associates also advises on incorporating green infrastructure designs into their clients' developments. These innovative natural designs come in various designs including: green living walls, roofs, green bridges and tunnels, wildlife corridors and many more.

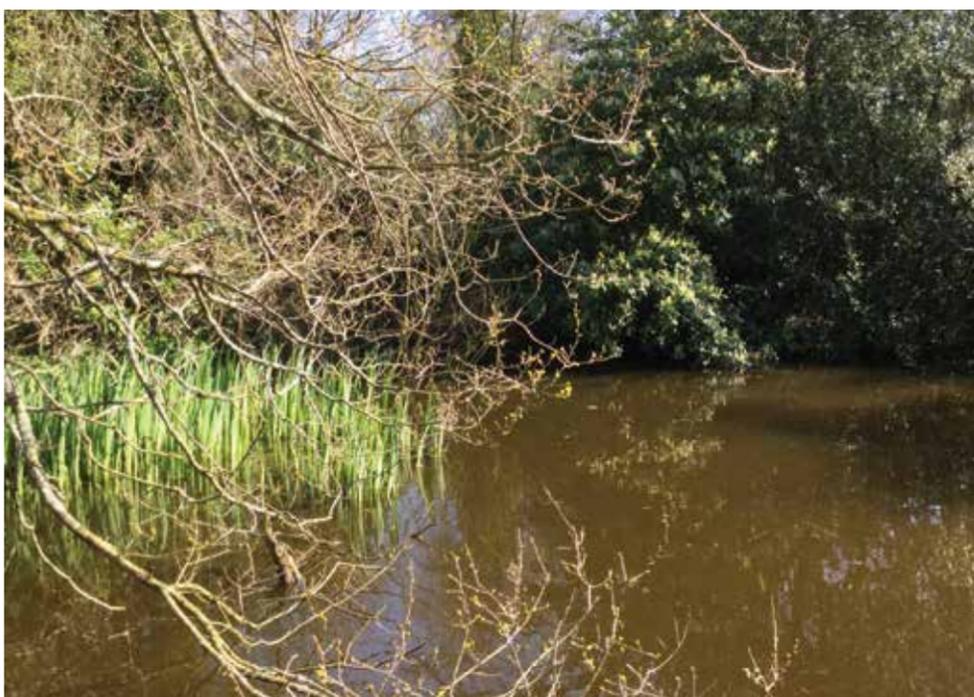
Green infrastructures hold a plethora of benefits for the wildlife and biodiversity and Richard Graves Associates has ample experience in advising on the requirements in terms of planning permission and schemes.

Ensuring his company maintains a professional, efficient and trusted service, Richard ensures that all of

his staff are members of the Chartered Institute of Ecology and Environment Management and provide the high standard of professionalism within their work that the institute presents.

For any more information, please feel free to visit the website on the details below. Alternatively, give them a call on the number below.

Contact
T 02032 861419
www.richardgravesassociates.com



AJ Products creates a happy workplace

Building and Construction Review believes in rewarding businesses that have been consistent in their dedication to bringing customers the most innovative and beneficial products. Whether it's office, warehouse or industrial based business, the strains of the 9-5 can often take their toll on the health and wellbeing of an employee. AJ Products has for over 40 years dedicated its time, energy and money to finding solutions that improve the general happiness of workers worldwide, and subsequently we are proud to announce the company as the winner of our **Product Innovation Award**.



Established in 1975, and now celebrating its 44th year in business, AJ Products is a leading manufacturer and supplier of office, warehouse, industrial and educatory furniture and accessories, boasting an inventory consisting of over 15,000 products. Products range from desking and seating, to racking and shelving, to moving equipment, all of which has been manufactured to standards that greatly surpass adequacy. The company ensures that the products it offers are of the highest quality and are as aesthetically pleasing as they are practical and functional.

The depth of the company's product line is one of the many aspects of AJ Products that gives it its edge. There are few businesses that offer such diversity of product as AJ Products. Despite being primarily furniture manufacturers, the company offers a wide and comprehensive range of accessories and convenient nick-knacks that both



compliment and convenience a variety of home and professional situations.

AJ Products' impressive ability to supply every necessary ingredient for a functioning business all from one source is another advantage the company brings. By cutting out the middle man, and the need to have to source individual items from individual companies, AJ Products relaxes the process of purchasing business furniture and accessories. The importance of remaining destressed is something fluent throughout AJ Products' business practice, with the company placing notable focus on health and wellbeing.

UK Managing Director David English explains, "Of all the products we manufacture, our main UK focus is on health and wellbeing in the workplace. Our complete range of electrical sit-stand desking, anti-fatigue mats and active seating (stools which make you sit upright in the correct position) have now just been complimented by a sit-stand conference table, shortlisted for the European Office Product of the year awards. By standing for meetings, they become shorter, more productive and healthier. Standing for three hours a day burns as many calories as completing 10 marathons a year!"

AJ Products' UK Head Office is based in Farnborough, Hampshire, with the company's International Head Office and National Distribution Centre sitting on Sweden's west coast, in Halmstad. Furthering on from the two aforementioned locations, AJ Products has offices in 19 countries, alongside two European Manufacturing Plants. The magnitude of the company, and the exponential growth it has seen over the years is undoubtedly a testament to its reliability and innovative nature.

"One of our advantages is that our product range covers everyone," says David English. "I am very proud of the fact that we do not have any main clients or customer groups. We help individuals, through to SME's, through to global corporates. Everyone is equally important to us, and we strive to improve each and

every day."

AJ Products has just invested £1m in its metal factory with hopes that this will enable the production and manufacturing of improved products at an improved speed. Along with the investment in facilities, the company has invested heavily in its UK staff and has subsequently seen a 40% sales growth so far this year. The growth is one that is consistent year on year, and has given the company a solid foundation on which to plan for further investment and business development.

David English adds, "We are a one-stop-shop for our clients and potential clients. We offer floor space planning and design consultation services, along with free delivery with no minimum order throughout



the UK to homes and businesses. We hope that AJ Products can help make your place of work a happier, healthier, more productive place to be. We will also be sponsoring the Elite Ice Hockey league for



the next season in the UK. We sponsor the Ice Hockey World Championships, and believe supporting the UK Elite League is a great for our business, and continues the message of fitness and wellbeing, linked with success."

AJ Products regularly attends trade shows, with a notable mention being The Facilities Show at London's ExCeL, which acts as an excellent platform upon which to showcase new and exciting products. Throughout the next 12 months AJ Products will be very present within the trade show circuit, with plans to exhibit at the IHMX show in September at Birmingham's NEC. Make sure to book yourself a visit and catch them there! For more information on AJ Products, get in touch via the details listed below, or visit the company website.

T 01252 359760
info@ajproducts.co.uk
www.ajproducts.co.uk



Climbing to New Heights



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

Direct Hoist specialises in GEDA construction hoists and transport platforms, providing the best quality, efficient and reliable hoist equipment for the construction industry. Direct Hoist has over 30 years of experience working within the industry and has built a strong reputation as experts in hire and sales of GEDA hoists and associated products.



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

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

Based in the East Midlands, Direct Hoist has gained unprecedented growth and success since the company's inception in 2014. We had the pleasure of speaking with Managing Director, Rob Wilson about how the last 12 months has been for the



company, he told us that, "In the last 12 months we have seen rapid growth on a major scale. Since the company started, we have expanded significantly to meet the demand of the market and our clients. We now have a team of 10 of us and we utilise our staff, promoting staff in-house and ensuring we get the right people for



job. We want to encourage our team, as our best asset is our workforce."

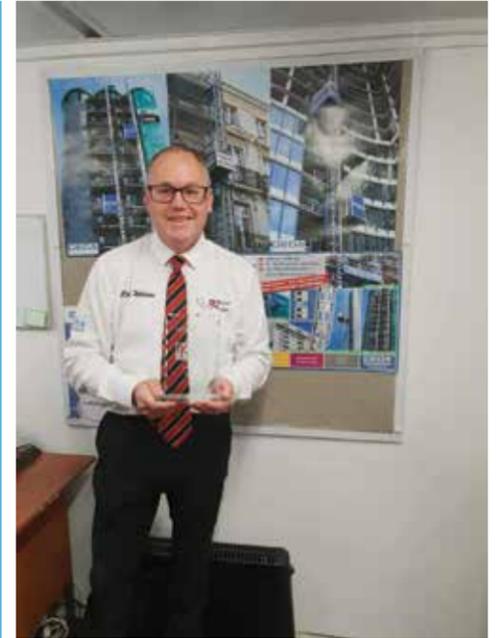
Within the construction industry, health and safety is of paramount importance, without the right safety measures and equipment efficiency, lives can be in danger. Direct Hoist does not cut corners on safety and provides only the best quality construction hoists. By using GEDA, Direct Hoist ensures that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

Through the company's emphasis on providing the best equipment possible, Direct Hoist also ensures that their team are the best and are fully qualified, investing within their team to provide specialist training programmes. In fact, all hoist installation supervisors at Direct Hoist have been trained to achieve a minimum of an NVQ Level 2 Diploma in hoist installation. They also ensure that their team are all SSSTS certified, own a valid CSCS card and carry current CCNSG safety passports.

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



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



Direct Hoist also maintains a fleet of hoists available to hire including: scaffold erection hoists, goods hoist, transport platforms, inclined tile hoists and XL hoists. Through Direct Hoist's impressive leading manufacturer contacts, the company guarantees to supply their customers with the most efficient equipment for their needs.

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

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

For any more information please see the details below.

Contact
T 01724 781647
info@directhoist.co.uk
www.directhoist.co.uk



Bespoke, waterproof and long lasting basements



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

Glatthaar was set up in 1980, and now has almost 40 years of experience in the industry. The company delivers 5,000 basements a year all over



Europe and it has just celebrated its 60,000th basement installation, an impressive milestone and proof of Glatthaar's unparalleled industry experience. From its headquarters in Germany, Glatthaar is able to develop innovative and bespoke basements which offer the very best in reliability and durability. The company operates across the whole of Europe, with its basements installed in homes and buildings far and wide.



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

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

As the leading prefabrication basement specialist in the UK, Glatthaar has a whole host of benefits that sets it apart from its competition. Perhaps the most important one is its ability to provide an insurance backed warranty against water ingress for self-build projects. Water ingress is a basement's worst nightmare. Most commonly entering through the wall to floor joints, water entry can cause water stains and leaks within

the basement, and worse yet, once inside, repairing and preventing further ingress can often be complicated and costly. Glatthaar offers a ten-year company warranty against water ingress, and in addition to this, last year Glatthaar finalised an agreement with the insurance company Buildzone Insurance to offer an insurance-backed warranty against water ingress for the Glatthaar AquaSafe® basement.

The waterproof and entirely bespoke AquaSafe® basement features precast concrete panels, additional tanking of external joints to prevent seepage, and a number of optional additions. However even without the extras, the AquaSafe® basement is already 100% guaranteed waterproof. For those who are really curious, Glatthaar even has a floating house where you can see the basement in action.

In addition to the AquaSafe® basement, Glatthaar also has the Baby Basement, and the Twin Baby Basement (now known as the Practical Basement), the company's only standard basements. These provide additional space at a fraction of the typical cost. Ideal for those seeking a storage or utility room, they feature a basement slab, twin panel external walls and a reinforced concrete ceiling. Quick and easy to set up, inexpensive, and providing the perfect extra space for everything from storage to wine cellars to study space, the Twin Baby Basement has proven highly popular across the country.

On top of its expert basements, Glatthaar also prioritises great delivery of service, with speedy installation and in house engineering. We spoke to Anthony Spinney who explained, "Here at Glatthaar everything is done by our highly trained and long experienced engineers. From design to fabrication to installation of

the basement through to after sales, only Glatthaar employees are involved in this process, we do not use external contractors, Glatthaar takes care of everything that the customers need."

During the entire process, Glatthaar works closely with the customer to ensure the basement is coming along exactly as they envisioned. Whether it is a basement that mirrors the floor space of the entire house, or is larger, or even shorter, the end goal is always

complete customer satisfaction. Better yet, Glatthaar also provides a personal point of contact for each customer, meaning they can stay updated and in the know regarding the progress of their basement from one well-informed source. They are also given knowledgeable advice before, during and after the basement is fabricated and installed.

As the leading prefabricated basement company, Glatthaar attends a number of tradeshow every year where it is able to showcase the innovative design

and construction that goes into its basements, as well as connect with the industry at large and potential clients. Some of the ones they have attended include Grand Designs, Eco Build and the Home Build and Renovation Show.

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

T +44 (0)1932 344454
www.glatthaar.co.uk



Premium window and door manufacturer



small, why not give U70 the opportunity to either quote supply only, or supply and install.

Should you wish to discuss any of the above, please do not hesitate to contact U70 on the details below.

For further information on U70 and their products and services, please visit their website www.U70.co.uk or contact their offices on 01376 511360.



Here at Building and Construction Review, we endeavour to highlight and recommend companies who are committed to offering industry-leading products and services, with unparalleled quality and a dedication to continual growth. For this reason, we are proud to recommend U70 as a premium window and door manufacturer.

From a modern semi-automated factory of some 38,000ft², U70 is now producing approximately 1,200 frames per week, and with an innovative barcoding system, all items can be tracked through manufacture and delivery to provide confidence and reassurance for U70's customers.

The collection of products including the standard Legend 70 range and Residence collection (timber look) has enhanced U70's portfolio even further. What's more, they will be introducing the new and existing Kommerline Flush window (C76) before the end of June with the new in-line soft closing patio door to follow closely behind.

First established in 2001 by Martin Killick, the company has gone through many changes, and as their strapline states, 'change is a continual process'.

The windows and doors manufactured by U70 are of the highest quality, and as their standard, windows are manufactured to Pas 24 with the options to upgrade both windows and doors to secured by design (SBD). With such impressive accolades, you will see why U70 is fast becoming the largest window and door manufacturer in the south east.

U70 supplies windows and doors into the trade builder market as well as a small selection of small to medium house builders, and all of the company's well-accredited products meet every condition as required by building control. U70 has been successful in securing commercial contracts to supply both Residence 7 windows and doors and products from their standard Legend 70 range. With their introduction and expertise, along with a highly professional approach, U70's market can only increase their volumes and profits.

With successful and continual market campaigns through Mailchimp, advertisements and monthly adverts in magazines, the name to look out for is clearly U70.

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NATIONWIDE DELIVERY

Colouring the nation

Building and Construction Review is pleased to announce Pictorial Meadows as our **Landscaping Company of the Year**.

Over the last 20 years, Pictorial Meadows has been on an unwavering mission to beautify the nation, blanketing both rural and city landscapes in bright mosaics of petal and stem. Initially established by Professor Nigel Dunnett as a research project orchestrated by the University of Sheffield, Pictorial Meadows has outgrown its roots and sown its seeds nationwide, succeeding persistently in bringing about radical yet aesthetically pleasing change to otherwise bland landscapes.

Over the last 12 months, the company has seen its success grow astronomically. Despite doubts looming over whether or not wild flowers would sustain their popularity among the ever distracted 21st century population, Pictorial Meadows has defied the odds and proves evergreen in its popularity. Horticultural interest, it seems, is on the rise, and given the increasing global, governmental and public focus being directed towards the importance of nurturing our environment, companies like Pictorial Meadows are vital. When you think of meadows and horticulture, it's unlikely the word innovation is what springs to mind.



However, Pictorial Meadows are proving to those less versed in the workings of the natural world that innovation can indeed be applied to the field as well as the office. This is evident in the company's introduction of PM Turf. Developed to offer customers a platform upon which to enjoy the benefits of the company's perennials seed mix, the turf consists of 100% meadow plantlets. The substrate used in the turf enables total consistency as the plant life grows, making for a beautifully even finish.

This year, Pictorial Meadows has embarked on an ambitious three year project working with Solihull Metropolitan Council. The project will see the company supply over 30,000 square metres of its award-winning PM Turf to Solihull in an effort to add a new dimension of floral colour and biodiversity to the area. This comes as a hopeful endeavour, as councils nationwide face budgetary constraints and political turbulence. However, the benefits of adding urban meadowland to cityscapes and densely populated areas stretch beyond the realms of financial or visible achievement. With Pictorial Meadows' turf, weeding requirements commonly associated with perennial seeds are eradicated, adding another floor to the skyscraper of benefits that Pictorial Meadows'

products bring to the table.

Looking to the future, Pictorial Meadows has plans as large as the fields within which its seeds are sown. The company has recently broadened its horizons and spread its services to the European market. Despite various questions being raised over Brexit and the various obstacles it may or may not impose, Pictorial Meadows is committed to offering its services to an ever wider demographic. If more companies were as creative, environmentally minded and attentive to the needs of their customers as Pictorial Meadows is, you might find the world a more colourful place. To find out more, see the details below.

T 01142 677628
www.pictorialmeadows.co.uk



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Stand out from your competitors with a Kitchen in the Garden!



Kitchen in the Garden, based at Cedar Nursery in Cobham, Surrey, provides advice and offers technical support for the design and build of outdoor kitchens.

From premium pizza ovens, contemporary grills, sinks and fridges, to a vast range of specialist cooking equipment, we can cater for all things outdoor cooking, along with a variety of storage options to suit your needs.

With more or less everyone offering indoor kitchens, why not set yourself apart by

supplying an outdoor kitchen to your clients? Imagine those summer months spent outdoors, sipping on an ice-cold beer, or delicious glass of wine, with great company, great weather and, most importantly, great food.

It's not solely for the summer months either, showing off outdoor culinary skills is something everybody should do all year long! Who doesn't love the delicious taste of barbecued delights and the enticing smell of a mouth-watering meal on the way? We

can provide highly knowledgeable experts to help with every aspect of the design and construction advice, who will be dedicated to the cause until the very end.

With all of this, together with component ranges to suit every budget, your clients will find it hard to say no!

For more information please call 01932 862473, better yet come and see us in Cedar Nursery, Cobham, or visit www.kitcheninthegarden.co.uk

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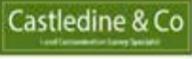
Outdoor furniture, fencing and garden products made from 100% recycled plastic are becoming increasingly popular. Not only do they look and feel great, they also assist with reducing the substantial levels of plastic pollution as well as providing numerous benefits against their wooden counterparts.

NBB Recycled Plastic products will never rot, crack or splinter making them safer and more hygienic than their wooden equivalents. Our products last approximately 5 times longer and as such are guaranteed for up to 25 years. Recycled Plastic products do not require annual maintenance to keep them looking and performing great. Simply wipe clean with a damp cloth and outdoor furniture, fencing and planters will look brand new again, even after continued use and the harshest of weather conditions.

All NBB Recycled Plastic products are competitively priced making them a lot cheaper than you might expect. We also save you more money by offering free of charge delivery to UK mainland addresses and offering special bundle deals on our most popular products.

Find out about switching to recycled plastic and view the full product range online at www.RecycledFurniture.co.uk





Land Contamination Surveys and Reports for Planning Consent

Have you been asked for a land contamination survey or Desktop Study but are not sure what is involved?

Castledine & Co are Environmental Consultants from the East Midlands who specialise in producing Land Contamination Reports to support planning applications or to satisfy Planning Conditions. We work throughout the country and our reports are written to comply with Government Standards and Industry best practice.

When planning permission is sought on a brownfield site, it is likely that the planners will ask for a Phase 1 Desk Top Study. This will collate information from many sources to allow an Environmental risk assessment to be carried out to establish whether the land is likely to pose a significant risk to human health or the wider environment. Often this will result in the conclusion that harmful contamination is unlikely and no further action is required.

If the Phase 1 Study shows that there is a credible risk of land contamination then it will indicate what contaminants are likely to be present so that a Phase 2 Intrusive Investigation can be instigated. This involves laboratory analysis of collected samples to establish the exact levels of contaminants.

Why choose us?

We were specifically set up to assist individuals and small builders or developers overcome the technical and complex issues of land contamination investigations in a timely and cost efficient way.

We are not remediation contractors and therefore have no bias when developing a remediation strategy. We fully understand the options open to us and will always represent your best interests by suggesting the most appropriate methods and, if possible, use your own workforce to integrate the remediation work into the construction phase to give best value and long term peace of mind.

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www.castledine.co**



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Live Life Green with Wonderwall

Within this issue of Building and Construction Review, we have selected Wonderwall as the recipient of our Commitment to Excellence Award for their ongoing dedicated work for garden and landscaping design.

Wonderwall is a UK leading producer of unique decorative garden products. The company was established by Rick McKeever in 2016, with Dave Fitton as Commercial Director. Through the



expert leadership of Rick and Dave, who heads up the commercial arm of the business, the company has maintained a steady growth and has gained a positive reception within the industry for their living wall features, created by the company's Vertical Planter.

A dedicated gardening company, the team at Wonderwall is derived of passionate gardeners that specialise in garden design. The company has built a strong reputation within the industry and is known for their picturesque, show stopping features and vertical gardening expertise for creating their living wall designs.

The planters are diverse and suitable for both outside and inside projects and they enable the user to create beautiful bespoke gardening

designs. Suitable for many different applications including sheds, walls, fences, archways, buildings, balconies, interiors and window boxes – the Vertical Planter revitalises average features and enhances them with the natural beauty of greenery. The planters make a great addition to gardens and homes, with a plethora of bespoke advantages for garden design. A noteworthy feat within the planters' design is their self-watering



function, ensuring less maintenance for customers and maintaining the volume, velocity and vibrancy of the living wall design.

Wonderwall's living walls provide customers an option of reducing their carbon footprint by creating a living breathing wall without the need for bricks.

The living wall is also recyclable, energy saving and cost effective. Speaking to Managing Director Rick McKeever about the environmental benefits of Wonderwall's living walls, he stated that "We are always searching



for new innovative solutions and products and we are passionate about providing products to assist companies to lower their carbon footprint."

The benefits of having a living wall are limitless and they are renowned for their economic, ecologic and societal advantages. A living wall also helps a variety of different health associated factors and is able to aid things such as the purification of air, reduction of the ambient temperature and therefore regulating the temperature and providing a happier environment, as studies have shown a rise in people's happiness when surrounded by a green environment. By reducing the temperature, Wonderwall is helping their clients save on energy and conditioning costs as the temperature is naturally cooled through the plants' process of evapotranspiration, enabling the living walls to reduce the temperature by 50°F.

Another advantage of the living wall is their environmental benefit. With the ever growing population, the human footprint is growing significantly. The need to preserve nature is a vital environmental requirement and Wonderwall's living walls are a great option in embracing and nurturing nature and helping to reduce the carbon footprint.

In terms of the produce tailored for by the planters, the planters are able to maintain a selection of gardening produce including: fruit, vegetables, house plants, succulents, perennials, bedding, grasses, ferns, shrubs, herbs, bulbs and alpiners.

Combing landscaping and gardening in perfect harmony makes Wonderwall's Vertical Planter a truly iconic product. In terms of recent achievements for the company, Wonderwall gained great success



this year at the Chelsea Flower Show. Wonderwall was awarded five stars for its trade stand that they designed for Dobbies Garden Centres, achieving the title of The Best in Show Trade Stand at the Chelsea Flower Show in 2019.

Speaking again to Rick McKeever, about what sets Wonderwall apart from their competitors, he told us that, "we are extremely competitive, 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."

In terms of future plans for Wonderwall, Wonderwall plans to raise further brand awareness and continue providing the most innovative designs with their living walls. The company is also devoted to showcasing the plethora of benefits that their products contain for both people and the environment.

For any more information or to view the outstanding projects and designs that can be created with Wonderwall's Vertical Planter please see the details featured below.

Contact
M 07834 372468
rick@wonderwall-it.co.uk
www.wonderwall.direct



Intoto Design Ltd



Intoto Design Limited offer independent catering design solutions to develop the kitchen and bar designs. As an independent company we offer completely unbiased advice that fit with the client specific catering requirements and brief. Specific responsibilities include kitchen, ventilation and complete bar/cellar and servery design, competitive tendering and project monitoring. Our experience over the years has given us much repeat business, recommendation and a proven track record and portfolio.

Our portfolio includes a diverse range of completed projects within different sectors of the catering industry from events catering, public houses and eateries, specialist restaurants, hotels, schools, cafés, retail restaurants, golf clubs such as Ryder Cup Clubhouses in both Celtic Manor and K Club resorts & Lahinch GC, Whatley Manor and staff feeding facilities for blue chip companies as well as many restaurants in and around London.

We have most recently carried out the design and specifications and Project works at The new grandstand at The Curragh racecourse, Kildare Ireland. The Fish Hotel, Broadway. The Eden Hotel Collection at many of their hotels including The Greenway Hotel, Bovey Castle, Mallory Court Hotel & The Arden Hotel etc. Pennyhill Park for Exclusive Hotels, Restaurant James Sommerin to name but a few.

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MVHR is simple with Posi-Joist

The specification of MVHR systems is becoming increasingly common as the buildings become ever more airtight. MiTek's Posi-Joist floor and rafter system provides the ideal solution to the issue of routing the large ducting and service runs associated with these systems through the floor zone.

Posi-Joists are made up of parallel timber flanges plated together with Posi-Stud steel webs, to form a lightweight yet super strong joist capable of spanning further than other timber products.

The metal web construction creates a large service void for ducting and other services to easily run through, with no need for cutting or drilling of joists. There is no need for suspended ceilings as the services are hidden in the floor zone, maximising building space and adding value.

Posi-Joist is manufactured offsite in factory controlled conditions by licensed MiTek fabricators all over the country, so you are never far from a quality supplier.

To find out more and to find a manufacturer visit www.mitek.co.uk/products/posi-joist or get in touch at info@mitek.co.uk



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We are joining forces with Silux Control®

BLE Lighting and Power Ltd is excited to announce that we are partnering with Silux Control®.

BLE Lighting & Power Ltd will be launching our dual branded system that integrates the Silux PRO-EM® Controller with selected BLE luminaires.

The PRO-EM® Controller is a wireless, RF encrypted communication device with mesh connectivity suitable for any size installation or building. It has a built-in battery to last a minimum of three hours in emergency function and provides complete compliance with statutory and mandatory requirements without human intervention.

With the Pro-EM® IntelliHub selectable weekly, monthly, bi-annual and annual tests are available with date/time options and the ability to print hardcopy reports.

BLE Lighting and Power Ltd will also be distributing the PRO-EM® Controller units to buy individually that can be used to covert standard luminaires into an emergency fitting.

"Our partnership with Silux Control® enables us to bring something truly innovative and unique to the emergency lighting market." Nick Swash, Chief Operating Officer of BLE Lighting & Power Ltd.

T 01246 432325
marketing@blelighting.co.uk



MOSSCREEK

Building a new home is not only one of the largest financial investments that a homeowner may make in a lifetime, but also one of the most personal. During the design of a new home, each consideration can be a review of who you are as a person, who you aspire to be, and what mark you want to leave on this earth... an opening of the soul that can establish new benchmarks of awareness.

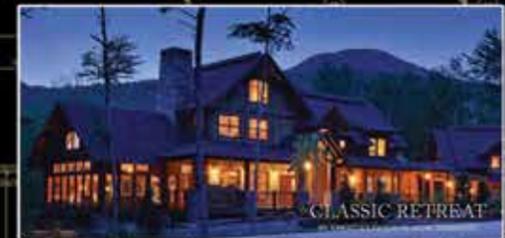
MossCreek understands this. We are a group of skilled individuals dedicated solely to the design of rustic American style homes. Because we're not a drafting or architecture firm, we can offer more. Our small team of talented professionals affords you personal access to every member of the firm and the unique talents that each brings to the project. At MossCreek, we design some of the most unique and authentic luxury log homes, cozy log cabins, and custom timber frame homes in the country.



Enjoy the experience of a custom designed log or timber frame home by America's favorite log home designer. Our unique process of designing a custom log home "with" you, rather than "for" you, results in a unique rustic home design crafted around your unique personality and lifestyle.



Quick, affordable, and easy to modify log home plans by MossCreek. Our Ready to Purchase Home Plans are a great way to obtain a genuine MossCreek home in a streamlined process. Browse the full collection to find just the right plan for your new home, or to discover new ideas for a custom designed log home.



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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 RISE (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.

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Working in partnership with many leading gym providers including Anytime Fitness, énergie fitness, Village Gyms, Glasgow Life and a multitude of independent boutiques, Physical Company has created some of the most impressive training environments on the market, fully integrating the floor into the overall design and function of the space.

When developing a gym, choosing the correct flooring is a vital consideration both from a performance and aesthetic perspective.

Exclusive partnerships with globally renowned manufacturers enables Physical Company to maintain a reputation as one of the leading gym flooring providers, with products to suit every need and budget.

For more information contact **01494 769222** or email sales@physicalcompany.co.uk

Are you looking to create more living space for a fraction of the cost of extending?



Warwick Buildings Ltd have been constructing timber sectional buildings for over 30 years, starting with stables and garages. We are a market leader in supplying timber garden offices and garages around the UK. We are a friendly and innovative company, winning Small Business of the Year for Warwickshire twice.

Based in Warwickshire, Warwick Buildings construct all their own buildings at their manufacturing site, using environmentally-friendly timber sourced from Scandinavian forests, through companies registered with the FSC and PEFC (Programme for the Endorsement

of Forest Certification).

Warwick Buildings branched into offices approximately 10 years ago, beginning with our Traditional Office, with a cottage-style feel. We have continued expanding our range, introducing the Contemporary and Modern offices and our unique Curved Roof office. Our most recent additions to the range are the budget Pod offices.

All offices are fully insulated with first fix electrics included having a range of different roofing, door/window and cladding options.

The timber garages come in a range of sizes in Shiplap or Feather-edge cladding, with different options for roofing and doors.

By combining practicality and aesthetics, Warwick Buildings provide an attractive, invaluable addition to your living and working space

For further information visit our website: www.warwickbuildings.co.uk or come to our show site at Long Itchington in Warwickshire, where you can see a selection of our buildings.

XL Joinery

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

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

Time is of the essence

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

Personal preference, whatever your style

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

Safety first

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

Cost effective

Installing doorsets also saves a substantial amount of money, making it a more cost-effective alternative. Sourcing separate, multiple materials, such as the door, lining, hardware and paint adds unnecessary costs, time and effort. However, a doorset provides all of these at one simple price point, taking out additional work and costs.

For more information about XL Joinery, please visit: www.xljoinery.co.uk



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XL Joinery Doorsets have everything you need to fit a quality door in one package. Precision engineered components, pre-finished to match your stylish door. And a choice of handles to complement the furniture grade finish.

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Doors available in Colours by XL Save time on finishing

XLJoinery.co.uk/Doorsets

H Bell and Sons banks on Polyflor for indoor market transformation

A selection of Polysafe and Expona products were the floor of choice for H Bell and Sons as they undertook the transformation of a former bank building into a stylish new indoor market, complete with café and fresh food stalls.

Set in Rochdale Town Centre, the three storey, 1920s property has been turned into a brand new shopping and eating hub alongside the River Roch. Extensive work has been undertaken with the creation of a new atrium, a new roof and installation of lifts before reinforcing the floors ready for a selection of new Polyflor floor coverings including Expona Commercial Aged Elm, Polysafe Apex Chromite, and Expona Flow Smoked Oak.

Expona Flow was fitted for the walkways and the restaurant. Specifically created for very heavy commercial environments, the collection was the perfect choice as it encompasses beautifully replicated wood planks in a practical and durable vinyl sheet format whilst leaving a stylish, high-end finish. All Expona products are enhanced with Polyflor PUR, Polyflor's exclusive and robust polyurethane reinforcement which is cross linked and UV cured to provide superior cleaning benefits and a cost-effective maintenance regime.

Expona Commercial, fitted on the top floor, made the ideal choice as it is suitable for high traffic areas such as a restaurant or commercial shopping area. Created

to bring flooring solutions that are tailor made to suit the customers vision with reproductions of the widest range of natural and man-made materials combined with innovative modern finishes.

Sampling from all ranges can be ordered free of charge on the Polyflor website or by calling the Polyflor Samples Direct Hotline on: +44 (0)161 767 2551. All contain recycled material and are 100% recyclable via the Recofloor vinyl take back scheme.

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Polyflor adds EnCore Rigid Loc to the Expona family of premium vinyl floorcovering



Polyflor, the UK's commercial and residential vinyl flooring specialist is pleased to announce the launch of a brand new product format, the Expona EnCore Rigid Loc collection. This exciting new hybrid product has an expertly engineered premium rigid SPC (Stone Polymer Composite) construction with exceptional stability making it ideal for installation over existing subfloors. Expona EnCore's technically sophisticated specification combines:

- 1) A premium rigid SPC core
- 2) 0.55mm heavy commercial wear layer
- 3) High clarity decoration layer
- 4) 1mm IXPE acoustic backing layer
- 5) 5G-i locking technology

Whether designing a large scale commercial installation or a warm and inviting home interior scheme, aesthetics are just as important as practicality, especially when considering a floor covering. Expona EnCore Rigid Loc offers a flooring solution that caters for both commercial and residential interiors. The rigid construction gives the floor exceptional stability and its acoustic foam layer reduces impact sound by 19dB, exceeding UK building regulations whilst also providing comfort and warmth underfoot. The use of 5Gi click-locking technology provides superior performance in a quick to install floor covering and the loose lay format means no adhesive is required, reducing installation time and cost.

The collection features 12 faithfully replicated wood designs that have been expertly selected bringing together the natural beauty of timber and its authentic surface textures. The Expona EnCore Rigid Loc collection encompasses a wide spectrum of wood species to suit any commercial or residential interior with each design featuring fine grain and knot detailing and micro bevelled edges for a timeless appearance typical of real wooden floorcoverings.

Polyflor's unique polyurethane reinforcement creates a scratch and stain resistant finish that makes it ideal for modern households with families and pets, as well as heavy commercial interiors with high foot traffic. Expona EnCore Rigid Loc is also 100% waterproof and an ideal alternative to hardwood flooring, offering all the beauty of real wood with the resilience of vinyl.

Expona EnCore is beautifully presented within a sampling package which includes a brochure and a comprehensive presenter. Sampling can be ordered free of charge on the Polyflor website or by calling the Polyflor Samples Direct Hotline on +44 (0)161 767 2551. Expona EnCore's environmental credentials are impressive, achieving a generic BRE A+ rating in major use areas and Indoor Air Comfort Gold, assuring that VOC emissions are below any globally determined levels. It is also 100% recyclable via the Recofloor recycling scheme and contains an average of 15% recycled content.

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The Laundry Ladder a wall mounted clothes airer, a beautifully made piece of furniture no need to be hidden away. This British designed drying rack is made to an exceptionally high standard and will last for many years.

The Laundry Ladder Clothes Airer offers an eco and space saving solution for indoor drying, it makes small spaces work better, a great addition to any property development.

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Banks & Lloyd want to make sure that businesses & builders can continue importing their vital commodities such as tiles, ceramics, stone, slate & brick from EU countries following Brexit. Once we leave, the seamless free trade we currently experience will come to an end and some essential steps will need to be taken to keep that supply chain moving. Worry not! As our In-House Customs Clearance service is there to

compliment your current shipping requirements. If you import from EU countries, get in touch with our Brexit team brexit@banksandlloyd.com and they can talk you through the requirements that may be needed after Brexit, such as becoming EORI registered and providing support through customs brokerage so all those building goods remain steadily coming in. The idea of dealing with customs, particularly if you have not needed

to with your current imports, can be worrying and possibly distracting you from where your mind needs to be on your up and coming projects, so even if you just want to talk to someone for some friendly advice and run some "what if" scenarios by them, then make sure to get in touch!

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Why do we need MVHR?

MVHR & Indoor Air Quality

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

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

The argument for MVHR is an economic one as it can provide fresh air with minimal heat loss, thus making a well insulated, airtight house habitable. However it is becoming increasingly apparent that there is equally important case for maintaining Indoor Air Quality

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

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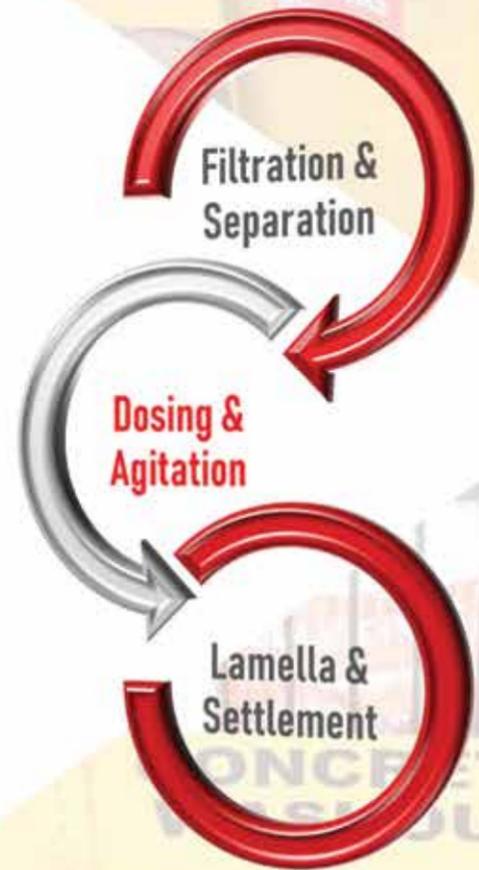
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Aitchison Raffety

Aitchison Raffety's Planning Division operates nationwide, but with a focus on the South-East and Midlands, operating from offices in London, Northampton and Berkhamsted.

Our understanding and expertise on planning policy and regulations allows a holistic service on planning matters, tailored to meet your project needs. We advise private landowners, local authorities, health trusts, national corporate organisations and local businesses, dealing with projects of all types, uses and scale throughout the UK. Our expertise helps

take projects from the initial appraisal stage, through site allocation and land promotion, to securing planning consent. The wider Aitchison Raffety Group can assist with other matters, including land valuation, land sales and building surveying.

For more than thirty years, our qualified Chartered Town Planning Division has provided comprehensive services tailored to the needs of each individual client. Aitchison Raffety Planning has a proven track record for providing sound and professional advice, from

small scale plots in the Green Belt through to urban extensions.

Client Feedback:

"... Aitchison Raffety provided a prompt, trauma free and professional service. We will certainly be using them again." Gatehill Property Co Ltd

To see how we could assist you with your project, please call Aitchison Raffety Planning on 01604 880163 or email planning@argroup.co.uk



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The Summer of Love post Wallpaper* Handmade X, with designer Robin Grasby

Having left the excitement of Salone del Mobile behind, Temmer is settling into a summer of activity, sharing its successful collaboration with designer Robin Grasby.

This spring Temmer was asked to team up with Robin Grasby for a collaboration that was then exhibited at Wallpaper* Magazine's annual exhibition in Milan.

With over 20 years of experience, Temmer offers sourcing, extracting, finishing and supplying a wide range of natural stone products. With showrooms in London, Atlanta & Istanbul and one of the world's largest integrated production facilities, Temmer exports stone from its own quarries to over 50 countries in the world.

Under the theme of 'with love', Wallpaper* Handmade brought together a seductive collection of exciting designers including Robin Grasby.

Robin is the mastermind behind Altrock, a new handmade take on terrazzo launched in November 2018. Robin makes the material from marble offcuts in his east London studio, placing each piece by hand. This means he can control the colour and pattern of every surface, making each unique. The result is a hard-wearing, low-maintenance and highly graphic surface that reduces waste and celebrates the idiosyncrasies of the stone.

Robin was invited to create one-off designs for this year's show, which celebrated ten years of Wallpaper* Handmade. Each object in the show was a labour of love and – new to this year – a collaboration. Robin collaborated with Temmer, and used their beautiful 'Aphrodite' marble, not only suitable with the aptness of its name, but also with its enchanting juxtaposition of colours in its natural design.

Robin created two tables using Temmer's 'Aphrodite' stone, and the whole project was an example of a great multinational collaboration between press, international furniture fair, designer and

Watch this space for other upcoming Temmer collaborations!

www.temmermarble.com



brickfab
GRP Products

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

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

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

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

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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.

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FloorStak: A unique levelling product for temporary flooring



FloorStak is the brand name for a range of products aimed originally at the temporary structures market, though the innovative concepts involved have helped the company to find interesting applications in more conventional building projects.

The range includes support and levelling systems for structures and floors, adjustable balustrading, modular steps and height variable access ramps. The design concept for all products stresses safety and reliability combined with ease of installation – critical factors in the 'Event Industry' applications where FloorStak products are extensively used.

These attributes have also helped FloorStak to find favour in other, less obvious settings. A recent project involved the provision of an elevated structural base for the Rugby Clubhouse at Chartres in France, which is situated on the flood plain of the Eure River. The proximity to archaeological excavations of the former Roman settlement meant that conventional groundwork footings were not permitted.

Other venues such as Liverpool FC (Anfield) and Chelsea FC have benefitted from FloorStak in demountable platforms for disabled spectators, and further afield, supporting the elevated walkway for an Olympic size swimming pool in Taiwan. The team at FloorStak are confident that their patented and 'TUV certified' products will find many more interesting applications.

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Ideas with a future.

Superglass – Intelligent Environments

Superglass, the Stirling based insulation manufacturer has undergone transformational change over the past decade, including a major £37m redevelopment at its manufacturing facility, one of the most significant investments the industry has seen in recent years. A 187-tonne furnace, curing ovens, cooling, cutting and milling equipment are being replaced and an automatic packing system is being installed. Now complete, the work has doubled production capacity to 60,000 tons annually.

Demand for glass wool insulation continues to be very strong both domestically and in export markets and with the company's major manufacturing investment at their Stirling site, Superglass will undoubtedly be well equipped to capitalise on the opportunity presented by these market conditions. Glass wool insulation produced by Superglass is made from up to 84% recycled glass and is estimated to save around 300 times the amount of energy used to manufacture it.

Aside from capital investments in plant and manufacturing, Superglass will continue to grow their brand amongst merchants, distributors and end users.

T 01786 451170
www.superglass.co.uk







Cladpro Ltd are leading Altro Premier Installers specialising in the supply and installation of the complete range of Hygienic Wall finishes, floor coverings and ceiling systems.

Established in January 2000, Cladpro is a family run business that prides itself on the personal approach. From our premises in Essex we are conveniently situated to service projects throughout the United Kingdom. Contracts large or small Cladpro provides an unbeatable service completing all installations in a timely and cost effective manner. Cladpro are committed to providing dedicated advice, expertise and knowledge to meet and exceed client expectations.

Our team at Cladpro offer a dedicated provision from the initial contact with the office team to the installation by our skilled CSCS certified tradesmen. Cladpro delivers a professional service from start to finish.

T 01799 586452 / enquiries@cladpro.co.uk / www.cladpro.co.uk

Engineers from Lanes Group Star on ITV's "Sewer Men"

At Lanes Group, we believe our talented team of drainage engineers are doing amazing work across the country – which is why we're thrilled that a group of Lanes engineers recently got to make their TV debut, courtesy of ITV's documentary series Sewer Men!

The incredible opportunity saw a camera crew following our intrepid Lanes staff in their day-to-day jobs, examining their work with Amey and Severn Trent Water and the challenges they face on a regular basis as they strive to keep the UK's drains and sewers in optimum condition.

Looking at both the practical and administrative side of our work, Sewer Men has provided a great showcase for helping the general public understand exactly how we operate.

About the show

Sewer Men is a lighthearted, character-driven series that aims to shed light on the work done by Severn Trent – one of the UK's biggest water and sewage firms.

Featuring insights from everyone at the water company, from the patrol teams and emergency staff to workers in call centres and reservoirs, Sewer Men examines the daily problems, routines and risks faced by Severn Trent, mixing reportage and fixed-rig footage to capture the scale of these operations.

As one of Severn Trent's key contractors, the programme features



candid and revealing footage of the big and small jobs our Lanes engineers do to help keep the country's wastewater networks flowing. However, the real appeal of Sewer Men lies in the personalities of the professional men and women involved in the show – and Lanes Group were proud to be asked to take part by the water company.

How did Lanes Group get involved?

As the UK's biggest privately-owned specialist drainage contractor, Lanes Group work with Amey and Severn Trent Water as part of a

Tier 2 framework contract. Amey is one of the UK's leading public and regulated services providers, while Severn Trent is one of the UK's major water suppliers, serving 4.5 million households and businesses across the Midlands.

If you're interested in a career in drainage visit our careers website today.

<https://careers.lanesgroup.com/>



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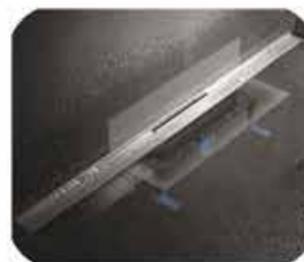


Renova. The time-saving yet secure solution for flat roof drainage.

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Flat roof renovations are time-consuming and laborious, especially when old roof drains have to be removed. But now it's a thing of the past: Dallmer's Renova roof drain 63 T saves you a great deal of time, nevertheless you can be sure of a secure, high quality, professional solution. Our method: the old drain stays in place, and the renovation drain is pushed through the old drain to the new membrane level. The flexible lip seals ensure that the new drain can never leak when subject to backflow.

Available in sizes
DN 70 to DN 150.



T: 01787 248244
W: www.dallmer.com

DALLMER

Retrofitting roofs with Solar PV

BAUDER

When maintaining or upgrading buildings, clients are constantly looking to make the smartest investment and improve energy efficiency. By retrofitting photovoltaic (PV) panels onto a roof it can not only produce cheap, clean electricity for the building's use, but also help landlords and building owners reduce their carbon emissions and hit the standards and

regulations for energy efficiency in buildings such as MEES (minimum energy efficiency standards) that came in to play for landlords this April.

The roof survey stage of a refurbishment project is the ideal occasion for surveyors to propose an on-site rooftop solar PV solution to a client as it creates a great opportunity to review and discuss the suitability of a solar PV installation.

Arguably the most fundamental considerations when contemplating a PV retrofit to a flat roof are weight loadings and design calculations; however, another significant factor is ensuring that waterproofing

membranes are in a suitable condition, that waterproofing warranties will not be impacted, and the life expectancy of the waterproofing system matches that of the new technology.

Discounting this consideration could potentially result in the array needing to be removed early in order to reinstate the integrity of the roof. Thus, the ideal time to add photovoltaics is to do it simultaneously when refurbishing the waterproofing system.

For more information on how Bauder can support your rooftop renewable energy proposal to a client, call +44 (0)845 271 8800.



TuffTechPRO

Protect your investment

Tuff Waterproofing launches new Polyurethane flat roofing system for commercial market

Tuff Waterproofing, the UK's leading supplier of heavy-duty GRP waterproof flat roofing, has launched a new system offering a combination of fast installation, ease of use and high performance which is ideal for the commercial market.

Tuff Tech Pro VP/UV is a durable, completely seamless waterproof encapsulating membrane which is ideal for new or existing flat roofs, walkways, balconies and gutters. Its advanced fast-curing formulation is quick and easy to apply, significantly reducing time and labour on site. Available with installation training on request, the product is non-hazardous and can be applied in damp atmosphere.

Tuff Tech Pro VP/UV is completely dry within eight hours and fully cured within 24 hours to form a totally waterproof membrane across the whole of the application area. Brush or roller applied, the solution is designed for excellent adhesion to a range of substrates, including bitumen membranes, asphalt, metals, brick and concrete. It has excellent wetting out and moulding capabilities to accommodate complex shapes and details. Roof penetrations, ventilation and cooling plant can all be sealed and new plant can be easily accommodated.

A Tuff Tech Pro VP/UV is a high-build, elastomeric, moisture-triggered polyurethane membrane comprising three layers of advanced polyurethanes incorporating a separate technically advanced reinforcement layer. It can be recoated at any time prior to the end of its maintenance life, thus extending its working life indefinitely. Training is available at your local stockist upon request.



Please visit www.tuffstuff.co.uk
T 01977 680250 • orders@tuffwaterproofing.co.uk



New product catalogue

Lindapter announce the launch of their new English (metric) catalogue.

The 2019 edition catalogue has over 100 updates including new products, more approvals and latest technical data.

The Type CF2 clamp has been introduced into the catalogue to extend Lindapter's existing product range and meet market demand. The new Type CF2 additions are High Slip Resistant Clamps designed to suit larger steel sections with thicker flanges. They are available in sizes M12, M16 and M20 with clamping ranges of 12-20mm, 15-25mm and 18-30mm respectively.

Another addition to the catalogue is the Type AMD which offers customers a wider choice of quality products within the Decking Fixing product range. The fixing has been developed to allow building services to be suspended from AMD60 and AMD80 decking profiles manufactured by Anglian Metal Deck Ltd. The new CE marked fixing creates genuine efficiencies for the contractor as it's installed within seconds and is adjustable onsite without the requirement of specialist labour, expensive tools or power.

New approvals include:

- ▲ CE Marking for the following products:
- ▲ Girder Clamp (steelwork fixings).
- ▲ Hollo-Bolt & Lindibolt (SHS fixings).
- ▲ Floor Fixings
- ▲ Decking Fixings.
- ▲ ICC-ES (USA seismic approval):
- ▲ Girder Clamp (Types AF & AAF).
- ▲ Hollo-Bolt (HDG).
- ▲ LPCB
- ▲ Type SH / Strap Hangers now approved up to pipe bore 150mm.

The catalogue contains more helpful information for structural engineers and other specifiers of steelwork connections along with an enhanced layout for easier browsing.

Download the catalogue from www.lindapter.com or email marketing@lindapter.com to order a hard copy.

Contact
T 01274 521444
dhaigh@lindapter.com
www.lindapter.com





Sunfold Systems are proud to present the MINIM Door.

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

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

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

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



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

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

High security locking as standard, with extreme weather performance.

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



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

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



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

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

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

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

Emporio Bagno by NoCode

UK based NoCode curates tap and showering solutions, chosen for their beautiful design and superior quality and these are showcased in the Emporio Bagno collection. All brassware products are designed and made in Italy and undergo rigorous testing to ensure consistent high quality and enduring performance.

Emporio Bagno offers a wide selection of designs, colour finishes and installations. EcoAir options are available for shower installations where water conservation is a key issue.

The Versobox shower valve is available in on trend colour finishes, with a plating service offered for more customised looks. Different handle options also add to the versatility in terms of design. Shower valves are on an ultra

slim 70mm back plate and the new Versobox Plus is even more minimalist with valves on individual trims for a stunning look. The install box ensures a watertight installation for optimal product performance and tanking is also provided for additional waterproofing.

The clear plastic front cover protects the valve during any plastering or wall finishing and acts as a tiling guide for an accurate finish. With an impressive shallow depth of between 70-90mm, Versobox can be used in any type of wall.

The performance element is impressive with a 2 outlet shower valve delivering 39.6 l/min at 3 bar water pressure. Shower valves will perform

at a low minimum pressure of 0.2 bar with high flow rates for an invigorating water experience. Shower mixers are available with 1, 2, 3 or 4 exits for basic to more complex showering arrangements.

Showering options range from basic shower heads to luxurious ceiling mounted chromotherapy heads with rain, mist and cascade settings. Most of the shower heads in the Emporio Bagno collection are designed to work at a minimum of only 0.5 bar water pressure.

Hand showers and shower kits can be colour matched with Emporio Bagno tap finishes and some shower heads have matching handsets in

the same unique design – this allows for a truly coordinated bathroom look.

The tap ranges have flexibility in design and installation options, covering contemporary and modern traditional styling. As with Versobox shower valves, taps are available in popular finishes including Brushed Gold and Matt Black. Two new tap ranges have been launched for 2019 - Senso and Entro!

To preview the new tap ranges and some of the key Emporio Bagno products, visit Stand J20 at the Sleep & Eat 2019 exhibition on 19th and 20th November at Olympia.

www.nocode.co.uk



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By NoCode

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Dunton pioneer landfill regeneration

There are over 500 landfill sites currently operating in the UK. This may sound a lot, but then what if we consider all the former landfill sites that are no longer in use?



Records show that there are almost 20,000 historic landfill sites across England and Wales, most of which predate the mid-1990s, when there were few or no restrictions on the waste being sent to landfill.

So, what are we doing about these landfill sites, besides adding more of them to accommodate the 111 million tonnes of controlled waste sent to landfill each year?

The answer is landfill regeneration. The process of excavating old landfill waste from the ground for reprocessing, then replacing it with clean soil. Landfill remediation is most often carried out to allow for building projects, ensuring the foundation is made both structurally solid and environmentally friendly before construction work can commence.



One of the UK's largest landfill regeneration projects, currently being handled by Dunton Environmental, is a 60 hectare site, which

involves the processing and re-engineering of over 1.2 million m3 of waste soils for a new housing development.

Located in Faygate, West Sussex, the development known as Kilnwood Vale is now in its third year and already has over 800 new homes completed.

Dunton have quickly become one of the UK's leading land remediation contractors, having invested heavily into its purpose-built waste treatment facilities and the most advanced mobile machinery on the market.

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Modular building?



The first thing you'll notice about a Springfield building is that it doesn't look like a modular building!

Modular building design has come a long way in

recent years with Springfield leading the way. They offer a massive choice of external and internal finishes and have a passion for building units that firstly suit their client needs, but are also aesthetically pleasing, energy efficient and environmentally friendly and sit comfortably in their surroundings.

Couple that with the fact that modular buildings offer all the benefits of a traditional build at a fraction of the cost & time and you have a compelling reason to consider modular whatever the space requirement. Classrooms and nurseries remain the most popular choice but increasingly units are provided for many other facilities, in fact the convenience of choosing modular means they are perfect anytime extra space is needed. Office blocks, marketing suites, surgeries, sports changing rooms, NHS facilities, kitchens have all been built in recent months at Springfield's purpose-built workshop by time-served craftsmen using the tight controls and innovative ideas developed over 45 years in business and all driven by the Springfield pursuit of continuous improvement.

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An Introduction to Global Survey Equipment Ltd



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

Established in 2011 by Mark Owen and Matthew McGuire, Global Survey Equipment (GSE) is a constantly growing company within the survey and safety sector of the construction industry.



Based in Atherton, Global Survey Equipment are ideally located in the heart of the North West of England, enabling the

company to have access to extensive motorway networks and delivering the most efficient delivery service possible for their customers.

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

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

The Zoom 90 is the ultimate one-man system with up to 20% more automation performance and extended reflectorless measurement capability. Add to this the X-pad ultimate field software, which is entirely user focused and adopts an ideal balance between clear structure, uncomplicated workflows and impressive functionality.

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

GSE also presents a range of detection devices, including Cable Avoidance solutions, Environment Meters, Drain Cameras and Gas Detectors. Cable avoidance

products include CATs, Gennys and Accessories. The company also provides a half day C.Scope training course on the intricacies of cable avoidance. Environment Meters include Light Meters, Moisture Meters, Sound Meters, Thermometers and Air Flow Meters, and Gas Detection solutions.

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

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

GSE is not only dedicated to offering state of the art and reliable products, but to maintaining strong, trusting relationships with its clients too. We had the pleasure of speaking with Co-founder Mark Owen, he told us that "GeoMax instruments aim to make the end users jobs more efficient. We pride ourselves on our service and close relationships with clients". It's the attentive

attitude that GSE adopts that gives the company its edge and sets it apart from its competitors. Often, large suppliers might not make the time to work with clients in order to arrive at the most mutually beneficial outcome, however GSE does, making customer satisfaction as significant as profitability.

GSE aims to sustain this attitude as it pushes forward, while also paying keen attention to growth and expansion, ensuring that construction and civil engineering industries are all given the opportunity to benefit from



the broad spectrum of products that GSE supplies. The company attends the Hillhead trade show held every two years, exhibiting and showcasing their product range and the way it is reshaping the construction and engineering industries.

To find out any more information or to

contact Global Survey Equipment directly, please see the details featured below.

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