

Building & Construction Review



A solution for all your underfloor heating and liquid floor screed needs



Easyflow offers you with a single point of contact and a turnkey solution for all your underfloor heating and liquid floor screed needs. From designing and installing your underfloor heating, to a full laser survey on site, to the supply and installation of your liquid floor screed.

BENEFITS OF UNDERFLOOR HEATING

- ▲ Up to 30 per cent lower running costs than radiators
- ▲ Avoid overheating and energy waste – heats more efficiently using just 35-degree water
- ▲ Low carbon footprint
- ▲ Can be used in conjunction with any heat source
- ▲ Completely versatile, lay tiles, carpet, or wood
- ▲ Control remotely

BENEFITS OF LIQUID FLOOR SCREED

- ▲ Reduced screed thickness
- ▲ Better heat conductivity
- ▲ Fast drying and thermally guaranteed options
- ▲ Can be force dried
- ▲ Greater compressive strength than traditional screeds
- ▲ Levels survey carried out for accuracy

▲ Environmentally friendly

UNDERFLOOR HEATING

We are dedicated to providing our clients with the very best in underfloor heating systems, together with customer care above and beyond expectations.

Our experienced consultants are dedicated to investing their time in planning and designing your underfloor heating system, ensuring that you are supplied with an underfloor system of the very highest standard. At Easyflow good advice and quality products go hand in hand.

LIQUID FLOOR SCREED

Anhydrite flowing floor screeds are based on anhydrite binder rather than OPC Cement giving them many unique benefits over cement screeds, the most obvious difference is their fluid application compared to semi dry cement screeds, but they also offer higher compressive and flexural strength, lower shrinkage, eliminate reinforcement, improve surface finish and greatly improved underfloor heating performance.

FASTER-DRYING SCREEDS

Easyflow can now supply a range of faster-drying products that can offer reduced drying times - 10 days for tiling and 28 days for wooden floors in non-heated floors, in heated floors 14days for tiling and 21 days for wooden floors.

Contact

T 01743 343000
www.easyflow.org.uk

The only joinery manufacturer you need



If you're looking for quality, custom-made joinery, look no further than Bluerun Ltd. As a small, family-owned joinery manufacturer, Bluerun boasts an extremely loyal team of experts who manufacture everything to the highest quality.

Bluerun's staircases are widely considered works of art, all of which are designed in-house. On top of this, Bluerun can create bespoke items, from bookcases and window frames to countertops and door sets.

Whether you need a one-off item or a production run of doors and windows for a housing development, a new interior for your premises or a bespoke shop front, Bluerun is perfectly placed to deliver exactly what you need.

Instead of producing speculative items for stock, Bluerun only produces purpose made joinery to fit clients' drawings and specifications.

The majority of Bluerun's production is for commercial builders and manufacturing, and it can provide all types of commercial joinery products. In addition to commercial projects, Bluerun can also produce high quality joinery to meet the specific standards of conservation areas or heritage sites.

This includes shopfronts in sensitive conservation areas, and a 10-metre-high oak hardwood catapult for Stansted Mountfitchet Castle.

With such a wide scope of services and the skills and expertise to support them, Bluerun is the only quality joinery manufacturer you need for your project.

For any more information, please see the details below.

T 01799 599995
dee@bluerunltd.co.uk
www.facebook.com/bluerunltd
www.instagram.com/bluerun_joinery
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Bluerun Ltd quality bespoke joinery since 1991



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Cherry Products Ltd
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Davison Forklift Ltd
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IMS Heat Pumps Ltd
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| • Window Screws | • Sealants | • Valves |

New - Assorted Trays

Comprehensive range of problem solving handy mixed sets. Offering a wide variety of commonly used items designed to cover the majority of small jobs that need a quick fix. Packaged in robust trays that can be securely clipped shut, ready for the next task



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Web: www.qfshull.co.uk



Link It Solutions Ltd are leading home automation experts with extensive experience of designing, installing and supporting automation/smart home solutions across London and the home counties.

Here is a list of services we provide:

- | | |
|---------------------------|------------------------------------|
| • Smart Home / Automation | • Multi-room AV |
| • Smart Lighting | • Smart Blinds & Curtains |
| • Home Cinema | • Smart Security CCTV & Alarms |
| • Smart Cooling/Heating | • Strong Wifi throughout your home |
| • Multi-room Music | |



Link It Solutions Ltd
Leading Home Automation Experts

Visit our website here:



Passion and creativity that makes wood work

Matthew Smith of Dragonfly woodwork specialises in designing and hand making furniture. He produces timeless pieces with exceptional craftsmanship and fierce attention to detail, bringing extraordinary beauty into your home.

Matthew works closely with his clients incorporating their ideas, combined with his own artistic vision to create unique furniture which stimulates the senses of both look and feel.

Using timber, with the occasional collaboration of glass and steel, he uses his array of skills working with the very straight and perfect lines, to the more unusual and natural flow of the timber.

Commenting on his work Matthew has said, "Working on furniture for me is a spiritual practice. I use my senses to achieve balance and beauty in my pieces, to inspire each and every customer that I work with and to ultimately bring enjoyment that will last for generations. I can make anything

out of wood! I love it when a customer phones me up and asks me if I am able to make something, without hesitation the answer is always a resounding 'Yes'."

For any further information, please see the details below.

T 07479 252888
info@dragonflywoodwork.uk
www.dragonflywoodwork.uk



Solution Fires - Excellence in Electric



Solution Fires is a new generation of highly efficient, authentic and stylish electric fires. The focus of your living space, these fires have been designed and manufactured with optimal controllability of heat, light and sound as the critical elements.

Controllable from your handset, via Alexa or through the app on your smart phone or watch, you can customise your fireplace to suit your individual taste. No electric fire, currently on the market, has the level of product features or attention to detail that solution fires have as standard, supported by a high level of genuine customer service.

Top reasons to choose a Solution luxury fire

- ▲ Ultra realistic, contoured flame effect technology
- ▲ 'One box solution' for front, corner or panoramic views
- ▲ Six preset illumination settings & one custom setting
- ▲ Nine independent flame colours with adjustable brightness*
- ▲ Nine independent fuel bed colours with adjustable brightness*
- ▲ Nine independent downlight colours with pulse effect*
- ▲ High quality, hand decorated ceramic log fuel bed
- ▲ Crackling fire audio with volume control
- ▲ Customisable fuel bed set-up
- ▲ Fade in - ON, Fade out - OFF, flame effect feature
- ▲ Supplied with remote control as standard
- ▲ App control for most smart phones, tablets & watches
- ▲ Alexa voice control
- ▲ Optional Scene lighting LED kit available
- ▲ Optional Anti Reflective Glass available
- ▲ Thermostatically controlled with ultra-quiet fan heater
- ▲ Seven day, twice daily, program settings
- ▲ Fully ErP Compliant & low energy LED flame effect
- ▲ Plugs into a standard 13-amp 3 pin socket
- ▲ Optional 5 year warranty for added peace of mind

*The above applies to the SLE75, 100, 150 & 200 fires *With use of Solution App

For more information about our products, please visit: www.solutionfires.co.uk



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Ambitious goal achieved: Lowest lambda value of **0.0199 W/m*K** is now the standard in the **CALPEX PUR-KING** range. All ranges of the CALPEX UNO and CALPEX DUO series for heating applications will be available with PUR-KING and the world's best insulation value.

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Hauraton drainage systems at Bonus Arena - Hull Venue

Built on brown-field land located on the edge of the main shopping district in Hull and adjacent to Princes Quay, the Bonus Arena – Hull Venue and its associated multi storey car park were opened in August 2018. The £36 million development progresses the legacy of the social and economic impact generated by Hull's 2017 UK City of Culture status.

The Arena, designed by AFL Architects, is a state-of-the-art music and events complex



with a flexible capacity of up to 3,500 people. The facility can provide a venue for concerts or corporate conferences in an 800 seat auditorium. A 2000m² adaptable space can be utilised for sporting events or exhibitions and trade shows.

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

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

The material, PA-GF used to make the FIBRETEC® grating, was especially developed by Hauraton; the tough, UV resistant, fibre reinforced moulding offers high stability and huge strength for its weight. Complying with loading category Class C250 (BSEN 1433) the grating can easily take the weight of commercial delivery vehicles. The design is a real innovation as its non-corrosive material provides a visually appealing surface finish that retains its colour.

The slots are super smooth, elliptical openings with the moulded bars having slightly raised triangular bosses along their outside edges. As well as providing an



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

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

For more product information go to www.hauraton.com

For other Case Studies go to www.drainage-projects.co.uk

Hauraton high capacity channel system drains extensive car park at Skypark, Exeter

The Skypark Business Park is located just North of Exeter International Airport, Devon and East of the M5 off Junction 29. The Park is a Joint Venture Partnership between St.Moden, the UK's leading regeneration specialist and Devon County Council.

The development, when complete, will cover 130,200 m² (1.4 million ft²) and comprise of office, industrial and manufacturing premises. Ancillary retail development and a hotel are also planned as part of the scheme. Set in landscaped grounds, it includes numerous car parks requiring effective surface water



drainage. In this phased development, three sizes of the Hauraton RECYFIX® MONOTEC high capacity surface drainage system have so far been installed in the extensive asphalt car parks servicing Skypark Units 10 and 20.



145 metres of MONOTEC 100/230mm, 136 metres of 100/280 and 45 metre of 100/380. 100mm is the channel grating width and the internal dimension. The 230mm (overall height) channel model has a cross-section of 190.5cm², the 280mm, 245.5cm², and the 380mm, 355.5cm². The 326 metres of channel supplied provide a total hydraulic capacity of just over 7717 litres.

Hauraton Limited introduced the MONOTEC system just over two years ago. Skypark joins the numerous installations successfully completed in the United Kingdom.

The MONOTEC one metre long channel component is of a sturdy monolithic design where the HEELSAFE grating and the tongue and groove linking system are integral to the channel moulding.

The whole unit is made of tough, virtually unbreakable polypropylene (PP) formulated to be very resistant to daily temperature



fluctuations from frost conditions to strong sunlight, including the Ultra Violet (UV) spectrum. PP is naturally resistant to de-icing salt. Complying with the requirements of EN 1433, the PP is given its UV resistance by adding just sufficient stabiliser so that the structural strength of the material is unaffected and a consistent appearance is maintained. The MONOTEC channels have a loading category of up to Class D400.

Cat Jones, Hauraton's Project Manager for South West UK was particularly pleased with the comments she received from Sam Reed, Site Manager for G Works Construction "Sam was surprised how strong and sturdy these MONOTEC PP channels were. Cutting mitres was easy on site and no accidental damage to any component was experienced.

The tongue and groove features on the channels provides easy assembly of the moulded components and facilitates the alignment of the channel run so reducing installation time for the groundwork contractor".

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

For RECYFIX® MONOTEC product specifications go to www.hauraton.co.uk. CIVILS section

For other case studies go to www.drainage-projects.co.uk

The best mud control product on the market



Alongside slabs, Mudcontrol Ltd also provides fencing products which are available in many different sizes and lengths as round or square posts, rails, beams, sleepers, piles and sheets. Made from 100% recycled plastic HANIT® material, just like the slabs, they are 100% rot proof and unpalatable. They can be used just like a wooden product, be installed by hand or by machine, then stapled, drilled, and screwed or nailed into. They will never need treating and will never rot. Over 15 million of the posts have been sold worldwide. Just like the slabs, the fencing products are covered by a 20-year warranty.

The effects of COVID-19 have been minimal on the business, allowing it to keep growing during the pandemic. Mudcontrol Ltd manages contactless ordering and deliveries, keeping staff and clients safe and happy at all times. In the coming months, Mudcontrol Ltd will be adding to its product range as

Here at Building and Construction Review, we are proud to announce Mudcontrol Ltd as the recipient of our Commitment to Outdoor Building Services Award.

Mudcontrol Ltd is dedicated to supplying top quality, ecologically-sound 100% recycled plastic products. Comprised of a small, dedicated team, Mudcontrol Ltd is based near Kettering, Northants and distributes from its central hub in Northampton to the whole of the UK, selling direct to customers.

Established in the UK in 2018, Mudcontrol Ltd also has a sister company based in Belgium, Mudcontrol BE, offering the same products and service. Mudcontrol Ltd provides recycled plastic products, including its revolutionary Mudcontrol slab and ecologically sound fencing products, to multiple individuals and industries across the UK.

vehicles. They interlink with no moving parts, can be driven over by farm traffic, have been thoroughly certified to withhold over 60 tonne of weight, and are a proven solution for problem areas, providing the sub-base and base in one easy D.I.Y. step.

Furthermore, they come with a 20-year warranty, and are a solid investment as they are removable so they can be used again and again or can be left in one place indefinitely to form a permanent hard-standing area (which will allow grass to grow through if installed without a membrane).

Mudcontrol slabs have the added benefit of being ecologically sound and free-draining.

"Our products are made from sustainable recycled materials and will outlast alternatives by many years. We are a dedicated team and are able to deliver a fast and efficient service to all" stated James, UK Sales.

Anyone who has a mud problem of any size is catered for by Mudcontrol Ltd. Mudcontrol slabs have a plethora of benefits over concrete; previously concrete has often been the first option when it comes to surfacing a yard, drive or pathway. However, concrete production has a strong impact on the environment and can cause damage to the fertile layer of the earth, the topsoil, and because of its impermeable surface, there is no run-off point eventually causing more flooding problems, soil erosion and water pollution.



expansion is on the horizon for all areas of the company, so the business can keep up with the huge demand from its customers.

Whether you are looking to cover an area big or small, stop that sinking feeling, and get in touch with Mudcontrol Ltd today.

For more information, please see below.

Kerry: 07941 961496
James: 07826 398096
Landline: 01536 669630
sales@mudcontrol.co.uk
www.mudcontrol.co.uk

Mudcontrol slabs are a one-time purchase, can be laid and re-laid and can be taken with you wherever you go.

They adapt to all areas and surfaces, and because they are made from recycled household plastics made into a Playground Certified material, their unique construction means they stabilise and improve the ground beneath without causing any unwanted run off or exacerbating soil erosion.

They are easy to lay (with minimal or no ground preparation), weighing 7kg each (at 50cm square), very user friendly, and as they are a removable solution, planning permission may not be required, although Mudcontrol recommends checking with your local authority in any case.



With five-star reviews across the board, Mudcontrol Ltd is known for its top class products, excellent customer service and attention to detail, a fact its customers openly attest to.

As sole UK distributors for the Mudcontrol slabs, a national pallet delivery network is used to deliver anywhere within the UK, usually within a few working days. There is no minimum order, and pallets of up to 140 slabs can be delivered at any one time.

But what makes Mudcontrol slabs so good?

Mudcontrol slabs are a professional system for gateways, paddocks, pathways, parking areas, gardens, tracks, storage areas, driveways and commercial areas. Their unique patented design ensures they will give you a good solid footing through any weather. Mudcontrol slabs are a simple D.I.Y way to create instant, removable hard-standing areas for people, animals and



Zoo Hardware launches new exclusive collection



In this issue of Building and Construction Review, we are proud to announce that we have selected Zoo Hardware Ltd as the recipient of our Product of the Month Award for its innovative product range, Rosso Tecnica.

Zoo Hardware is a designer and supplier of architectural door hardware, including door handles, knobs, locks, hinges and much more. Ensuring its products meet the highest standards, Zoo Hardware uses high quality aluminium, brass, steel and zinc. This eye for detail and strive for quality is of the utmost importance for Zoo Hardware and as such, the company is confident that it can provide the highest quality products at the most competitive

prices.

Boasting unrivalled design skills produced by the company's in-house design team, Zoo Hardware assures its customers that they will receive top-end products, developed by its team of fully qualified designers in all aspects of design and production. The team constantly aims to push the boundaries of possibility for its designs, creating innovative, stylish and cost-effective hardware solutions.

Through this determination to consistently innovate, develop and deliver state-of-the-art products, Zoo Hardware has designed Rosso Tecnica a new and exclusive collection of

European inspired designer levers.

Manufactured from Grade 304 stainless steel, which has been selected for its high-corrosion resistance, durability and hardness properties, this range has been specifically designed to provide an exceptional performance for use in both domestic and commercial applications. Where applicable, the range is also approved for use on Fire resistant door sets meeting the requirements of BS EN 1634-1 to be suitable for fire and smoke door assemblies.

Taking inspiration from contemporary trends which focus towards minimalism and simplicity, Zoo Hardware identified a gap in the market and need for a new range of high performance, design-led furniture, with hard-wearing decorative finishes; powder coated matt black, PVD satin brass and PVD satin bronze, to stand up to today's requirements for hardware. The Rosso Tecnica range delivers high-quality door furniture with a stunning aesthetic appeal to suit any modern interior.

With a broad range of lever styles to suit even the most discerning tastes, from the industrially styled 'Orta' lever to the subtle curves of the 'Como', each design has been meticulously created to be both ergonomically and aesthetically pleasing, while meeting the technical requirements of the applicable BS EN standards.

Rosso Tecnica has been designed and produced using a combination of both solid cast components and tubular components, where quality is the main consideration with an efficiency of material use to maintain cost effectiveness. This gives the range affordability while maintaining an exceptional, quality look and feel, and if your specification requires consideration around The Equality Act, the Maggiore Lever is a 19mm diameter, return to door lever that meets the dimensional requirements of BS8300 and Approved Document M of the building regulations.

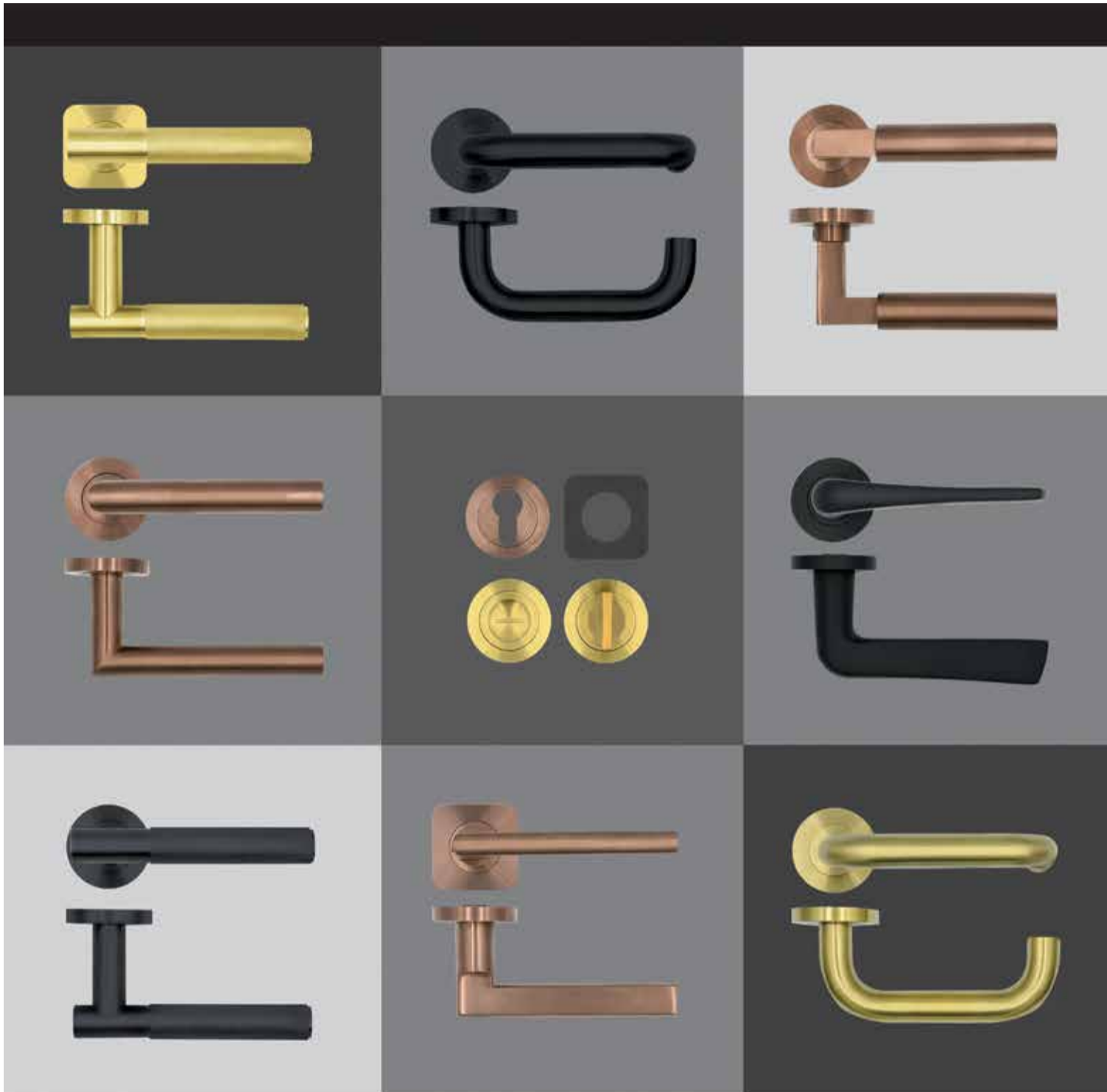


The introduction of a newly engineered 'Squirrel' rose, a rounded square known in mathematical terms as a 'superellipse', allows the complete customisation of both the levers and accessories to have a completely different look and feel from the standard round rose option. As well as being aesthetically pleasing, the Squirrel rose has been designed for easy installation on the existing sub-rose, making it a simple and cost-effective solution for creating a modern and fashionable environment. The product is supplied with both wood screw and bolt through fixings, and a far more user friendly allen key for installation of the grub screws that are situated on the underside of the lever for improved aesthetics. All levers are supplied on a sprung rose configuration for improved operation and longevity.

It's not just about the levers either, Rosso Tecnica is a fully suited range, with complementary products including, hinges, door closers, flush bolts and more, being offered in each of the three hard-wearing finishes to create the perfect aesthetic for your project, whether it's a residential dwelling or commercial office space. One final thing to note, as part of Zoo Hardware's ongoing commitment to reduce their impact on the environment, the Rosso Tecnica range is supplied without any plastic / polybag packaging allowing users to easily recycle all of the waste packaging.

For any further information on the Rosso Tecnica range, please see the details featured below.

T +44 (0)1228 672900
sales@zoo-hardware.co.uk
www.zoohardware.co.uk



ROSSO TECNICA
 ACCIAIO CON STILE

ROSSO TECNICA is our new and exclusive range of European inspired designer levers. Manufactured from Grade 304 stainless steel and finished in a new selection of stunning hard-wearing finishes, these levers are the perfect accompaniment to the latest trends in interior fashion.



AS PART OF OUR ONGOING COMMITMENT TO REDUCE OUR IMPACT ON THE ENVIRONMENT, THE ROSSO TECNICA RANGE IS SUPPLIED WITHOUT ANY PLASTIC PACKAGING. NO POLY-BAGS ARE USED IN THIS RANGE.

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 E : sales@zoo-hardware.co.uk
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Rosso Tecnica is part of Zoo Hardware Ltd.



Survey. Manage. Improve



Barnes Associates Ltd was originally formed in 1989 as a partnership between Ian Barnes and Sue Higgins. Initially set up as a tree surgery and landscaping company, Barnes Associates Ltd is now stated as a limited company based in Boroughbridge, North Yorkshire, but extends its services nationwide.

The company is a landscape institute registered practice and has a wide range of experience in green infrastructure, providing technical solutions to near tree developments. Ian Barnes is a registered consultant of The Arboricultural Association, and both are professional members of the Consulting Arborist Society, Barnes Associates Ltd has decades of experience in providing professional surveys.

As a leading consultancy, Barnes Associates

Providing a plethora of service benefits from advanced assessments to tree diagnostics, Barnes Associates Ltd provide an import service for specialist equipment which is then used to train UK tree surveyors. For its clients, the company provides a full suite of assessments from vitality tests, tree root radar scans, sonic and electronic tomography, and stability testing of trees.

'Tree Radar' is the latest service made available from Barnes Associates Ltd. Through the use of its Ground Penetrating Radar system, it can detect tree roots as small as 1cm through any surface without



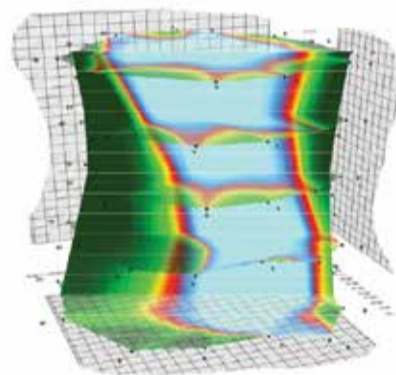
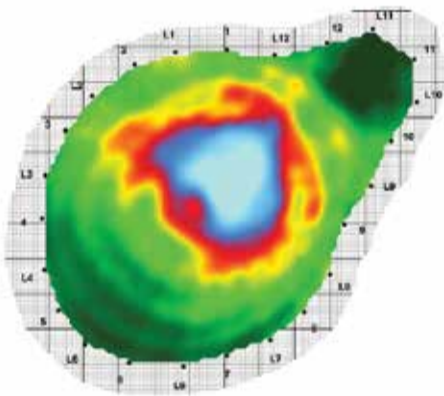
identify a range of subterranean pathogens that are otherwise usually hard to detect. It can also detect fungal activity in its earliest stage allowing suitable management of the tree and its growing area to be initiated to prolong and improve the trees lifespan. Sonic Tomography is an advanced decay detection in trees. It uses soundwaves to find decay and cavities and through a non-invasive approach there is no harm to the tree. The results can be instant and can produce a tree safety factor which can be used as evidence to support any specialist pruning works, further management of the tree or the removal of the tree on safety grounds.

A method commonly referred to as 'Tree Pulling' enables an assessment of a whole tree's safety to be undertaken, which otherwise can be difficult. Alternatively, Barnes Associates Ltd can measure the response of a tree to natural wind loads recorded using an anemometer near the tree.

The company can offer a fully comprehensive tree stability check with its Dynaroot system. It provides an insight into the tree's response to real site forces. Where access is restricted, or stability is in question from multiple directions, Barnes Associates Ltd can assess trees by measuring the response to a known wind load. This can be used to forecast a trees response to an unexpected storm event and provide a safety factor based upon engineering standards.

In recent changes, Barnes Associates Ltd has recently expanded its workforce by hiring a new surveyor. To increase its capacity, the company has also moved to a larger office to cater for more storage of its ever-growing technical equipment and training facilities. Moving forward, Barnes Associates Ltd intend to increase the use of further

assessments which will ultimately save trees from being felled. The company is also working on in-house training CPD's, which will eventually allow Barnes Associates Ltd to provide training courses to other companies to help them improve their knowledge. Post COVID-19, Barnes Associates Ltd has changed its approach and is now working via a hybrid system to enable flexibility for its workers. Working partly in the office, out on site and from home, gives a varied week and keeps the working environment interesting for all employees.



Ltd provide a full range of tree surveying works from one tree in a domestic garden through to large country estates comprising of over 1,000 trees. By using hi-tech equipment and advanced investigation equipment, the company is able to carry out the following for the construction and environmental industries: Development BS5837, Tree Surveys Risk Assessments, Advanced Tree Assessments, Tree Health and Safety reports, Tree preservation orders TPO advise, Tree reports for mortgages / insurance, Legal advice, Landscape Design and management.

making a mess. The data is mapped and scaled to the surrounding area and delivered to the client as a full report with images, technical data and recommendations of best practice in moving forward.

Trees can have a lot to cope with such as excavations close by, harsh pruning, drought, even pests and diseases. All these factors and more can start the decline or mortality spiral eventually leading to the removal of the tree. Tree Vitality Testing is a service provided which is a useful tool used to monitor 'how happy' a tree is, giving opportunity to implement management early. The test takes 30 minutes, is non invasive and involves the measurement of excess levels of far-red light emitted as part of early photosynthesis and chlorophyll levels which is then compared against a global benchmark figure for its species.

Another service used to prevent the deterioration of a tree's health is the use of Electronic and Sonic Tomography. Electronic tomography uses an electrical current to measure resistance levels which can even



For more information, please see below.

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Industry Leaders in Importing Certified Timber

Building and Construction Review is proud to announce that Vandecasteele Houtimport has received our Commitment To Timber Building Services Award.

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.

"We import, stock and distribute hardwood and softwood from all over the world to over 30 countries. With the fast pace of modern industry, we need to react quickly to our customers' demands and deliver stocks difficult to source within days on our own fleet of 18 vehicles," said Genevieve Standaert, Export Manager.

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 that can accommodate more than 120,000m³ of sawn timber products and with the additional shed now being completed, the total covered space of the company's main warehouse now reaches 16 Hectares.

Vandecasteele Houtimport specialises in the import, trading and export of Tropical Hardwood from Africa, Southeast Asia and South America,



Scandinavian and Russian Softwood, Siberian Larch and North American Soft and Hardwood. Recently, they have added European Hardwoods, Oak and Beech to their range.

"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." Genevieve stated, "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 50% 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.

"We provide large volumes of certified stocks, plus specialist dimension material, available for prompt dispatch," Genevieve said.

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." Genevieve elaborated, "The charter is a management tool and incorporates the 17 Sustainable Development Goals of the United Nations. Last year, we obtained the internationally recognised United Nations "SDG



the picking of packs and has rolled out the digitalisation of all business processes, 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



Pioneer certificate" and on the 24th of June 2021 we received the Corporate Sustainability Charter for the 20th time in a row!

In terms of recent developments for the company, Vandecasteele Houtimport has seen expansion in numerous ways. Recently, the company has installed a 5-mile racking system to speed up



Reflect your lifestyle with bespoke sliding doors



Transform your space with bespoke door fronts from Mirror Door Systems. Established for 26 years, the company is known for its quality workmanship and efficient delivery, and is informed by over 45 years of experience in the building trade.

"We like to work closely with the customers to explore their idea and come up with a bespoke solution just for them," explained Jeanette Mills. "They can come to the show room to get ideas for what they want or come to us with a fully formed idea. We can normally accommodate every customer's preferences, whether they want something in a



different colour, material, or size. The door fronts are ideal for a wide range of things, such as walk in wardrobes, room dividers, or offices – sliding doors are great for maximising smaller spaces. We also do a lot of work with new builds."

Of course, like many companies working within the building sector, Mirror Door Systems was greatly affected by the COVID-19 pandemic. "The building sector basically stopped so any new builds we were working with weren't going ahead. We had to stop everything for about eight weeks, entirely shutting down and furloughing all of our staff.

Then, even when we came back, we were at full capacity but we couldn't get the stock we needed, because everyone was after the same thing so it was in short supply.

"This meant we could keep going for a few weeks until the stock ran out, and then we had to wait for it to come in. It was all a bit of a rollercoaster, but now things are starting to pick up at a steady pace and we're back up to capacity with our stock. Hopefully by February we'll be back to where we were before lockdown.

"Obviously we've had to take measures with our show room. Thankfully, we have large premises so we can be six metres apart if needed! We've got social distancing rules in place to make sure staff and customers feel safe. A lot of people are still worried about coming in, so we can discuss everything over the phone with them. We can send brochures to show you doors that have been made previously, and we can even send a sample A4 door to you so you can see a version of it first-hand."

With this level of service, it's easy to see why Mirror Door Services is a leading UK provider of made to measure sliding door systems. Its full product range includes six different sliding door systems with over 30 different colours, including wood grain finishes.

All of the systems also incorporate anti-jump safety features and have been designed to accept the

choice of safety backed mirror, opaque glass and/or panels. They are all available in bulk form, door kits, or made to measure.

Interested in finding out more? Head to the website or get in touch.

T +44 (0)1268 573357
info@mirrordoor.co.uk
www.mirrordoor.co.uk



Mirror Door Systems
Limited
reflecting your lifestyle

Made to measure and Bulk quantities of Sliding Door Systems to the trade and public nationwide.

All systems incorporate anti-jump safety features and have been designed to accept the choice of safety backed mirror, opaque glass (BS6206 Class B) and/or panels.

The full range now extends to superb systems with nearly 40 different colours including woodgrains to choose from:

Solitaire & Topaz	Steel systems with painted & vinyl finishes
Diamond	Aluminium (dual) system with anodised and a powder coated finish mid-rails to match
Pearl	Aluminium system with woodgrain finishes plus mid-rails to match and optional soft door closers
Cerroni	A new unique small aluminium profile with track system and door closers
Tuscany	An aluminium system, with classical and elegantly designed profiles and selected modern colours and features with door closers

Tel: +44 (0)1268 573357
 Web: www.mirrordoor.co.uk
 Email: salesmids@mirrordoor.co.uk



Daltons Wadkin Wood & Panel Machinery Show – September 2021

Daltons Wadkin have announced dates for their Autumn event, September 28th – 30th to be held at their Nottingham showroom. The Wood & Panel Machinery Show will showcase the latest industrial machinery for processing solid timber, panels, composites, plastics, non-ferrous metals and more.



Bleeding edge technology is spearheaded by two Kimla CNC machines featuring the latest linear drive systems. The option replaces traditional rack and pinion drives resulting in faster working speeds, a resolution of 1 nanometre and accuracy of 5 micrometres per metre.

New for 2021 are two models from crosscut experts Salvador, SuperUp and SuperPush 150 - an evolution in crosscutting combining the compact form factor of a manual machine with the programmable power of an automatic optimising crosscut saw. Whether you are processing timber based panels, composites, plastics, GRP, SIPs or non-ferrous metal we have a panel saw solution for you. A range of Elcon vertical panel saws and Altendorf sliding table saws will be available for demonstration.

More information will be available as we move closer to the opening. Stay up to date by following Daltons Wadkin online – <https://www.daltonswadkin.com/> email info@daltonswadkin.com or call 0115 986 5201



Automatic crosscut saws





28 - 30
SEPT. 2021
NOTTINGHAM

Daltons Wadkin offer a comprehensive range of automatic programmable crosscutting systems for straight and angle work complete with powerful optimisation and defecting software as standard.




Sole UK & Ireland Distributors
tel: +44 (0)115 986 5201 | www.daltonswadkin.com

All-new P50 multi risk environmentally friendly fire extinguisher

At Building and Construction Review, we are dedicated to showcasing companies who offer the highest quality services in their field and who have an acute focus on excellent customer service. This is why we are proud to feature Cherry Products Ltd for our BCR Recommends profile, for its manufacturing services in producing the highest quality materials handling equipment on the market.

Established in 1980, Cherry Products is a British company that has sustained its industry leading position within the marketplace by supplying brands such as JCB, Claas, New Holland and the wider dealer network and farmers. Year on year, Cherry Products continue to strive for further excellence in service and build quality with its existing range of products. Its personal service and ability to keep pace with the constantly changing requirements and developments in agriculture and its allied industries, leave any rival competitor falling short.

Cherry Products is centred on catering for farmer's needs, committed to keeping the design simple and supplies products that retain a longer life with less down time providing the ultimate benefit to the customer.



attachment and demonstration supplier for many of the industry's leading names. The new P50 AFFF Composite Fire Extinguisher

compared to traditional equipment. After 10 years the extinguishers are required for a return to base service before being reallocated back out into industry for another 10 years (with another 10-year guarantee), this is charged at half the price of a new unit."

As well as the extinguisher itself, an online management program is available to allow the client to keep records. "The program has large capabilities and can handle multiple sites, users, even vehicles can be registered with drivers. There are also helpful training tutorials for servicing and using the management program." Said Ian.



forestry, building, manufacturing and retail.

With the challenges of COVID-19 proving difficult for Cherry Products, the ongoing issue of not being able to meet people face to face or initiate site visits for product demonstration is still ongoing. The product is not one that has the adverse effects of being marketed digitally, however, as time goes on the bigger named brands Cherry Products is acquiring will allow their brand reputation and product portfolio to, in essence, sell itself. The bonus effect of industry competition is allowing Cherry Products to promote its products and services on a global scale despite coming off the back of a global pandemic. This shows how remarkably adverse and innovative the company is and what effect its products are making on the market.



Being able to attend events to showcase its products and services is of vital importance in the coming months for Cherry Products. The company will be attending two events, held at the NEC in Birmingham, on the following dates: The Farm Business Innovation Show on the 10th-11th of November and in 2022, The LAMMA Show on the 11th-12th of January.

If you would like any more information, please see below.

T 01608 678197
M 07432 849999
fire@cherryproducts.co.uk
www.cherryproducts.co.uk



The company has been manufacturing agricultural material handling equipment for over 40 years and has gained a reputable market leading position within the agricultural community. Highly respected in its field, Cherry Products has developed firm links within this community and is now the preferred UK

complete with a full management software program is one notable product supplied by Cherry Products. A product of innovation, the new P50 AFFF Composite Fire Extinguisher is British made using state-of-the-art clean manufacturing processes and can save a client on average 47% cost saving over a 10-year period. P50 extinguishers employ technology pioneered by the motor racing, defence, aircraft and aerospace industries.

"All P50 extinguishers meet the highest legal and safety standards and are fully compliant with British standard, EN3, BSI. They are also CE marked and endorsed by Apragaz, certifying them to be used on electrical fires up to 1000 volts at one metre, liquids and combustible materials. In most situations current inventory can be reduced when replaced with P50 extinguishers, eliminating the need for two types of extinguishers especially inside buildings." Stated Ian Fenton, Sales Manager.

Providing a strong environmentally friendly presence in comparison to standard extinguishers, Ian explains, "The foam (AFFF) is watercourse safe and biodegradable which with the 20-year life cycle and 100% recyclability, means it is a green option



Some major companies that are in the process of rolling out the extinguishers are seven NHS trusts including St Guy's and St Thomas London, Heathrow Airport, Thames Valley Police, Pepsi Co, Walkers, B&Q, Marston Brewery and many more. The aim for the future is to recruit more household named businesses to propel the product to reach more potential clients as it looks for further expansion into the fire extinguisher market.

Cherry Products partnered with Eastern Attachments, then Eastern Extinguishers to combine and strengthen its UK manufacturing and distribution network. Since rolling out the extinguisher in its specialist area, it has also opened the door to many other industries like



UK established materials handling providers

At Building and Construction Review, we are dedicated to showcasing companies who offer the highest quality services in their field and who have an acute focus on excellent customer service. This is why we are proud to feature Davison Forklift Ltd for our BCR Recommends profile, for its reliable, specialist services in the hire and sales of forklift trucks.

For the past 42 years, Davison Forklift Ltd has firmly established itself in the material handling sector and has a team of trained forklift engineers that carry out on-site repairs, servicing and health checks. The company specialises in the hire and sales of forklift trucks and is the authorised dealers for Clark and Ausa. With extensive on-site facilities, Davison Forklift Ltd offer servicing, reconditioning and repairs to machines.



Founded by John Davison back in the mid-sixties, Davison Forklift Ltd was born out of his frustration of not being able to find a suitable forklift for his planting business. Year on year the company grew and under John's guidance became a Ltd company in 1976.

Since, it has explored new sectors and moved its attention into the hire and sales of new product ranges. By expanding its product range, its ability to



As a reaction to the current forklift market, to move forward effectively, Davison Forklift Ltd has changed its approach to buying in new forklifts for sale only.

Offering more flexibility, Davison Forklift Ltd has turned its attention to the hire and sale of tractors and telehandlers. The company offer two telehandlers: JCB 540-140 and JCB 535-125. JCB's total commitment to its products and customers has helped it grow from a one-man business into Britain's largest privately owned manufacturer of telescopic telehandlers and industrial forklifts. Both come with the latest technology and advanced design providing low fuel consumption, reduced noise, high torque and power output, total reliability and minimal maintenance.

Davison Forklift Ltd has one tractor manufacturer available for hire and is proud to stock the New Holland T7.210. For over a decade, New Holland has been

established as the Clean Energy Leader for its active promotion and development of sustainable agricultural technology, offering solutions that improve efficiency and productivity, while respecting the environment.

Even though the forklift industry hasn't been as strong as previous years, it is the core of the business, and the sale of these machines was its traditional

wheel forklifts has capacities from 2.0 to 3.2 tonnes and 48 Volt technology. The machines are reliable, environmentally friendly, and all round suitable for both indoor and outdoor use. In many applications, these trucks are in no way inferior to a combustion engine in terms of performance.

As of January 2021, Davison Forklift Ltd moved its fully



birthing. As the company expects predicted growth in the forklift market for the future, forward planning has enabled them to have worked closely with its dealership with Clark, for their new EXPi range of lithium iron electric forklifts. The company has been heavily involved in the promotion of this new range and is excited to see the reaction within the electric market. The EXPi range of electric four-

equipped workshop to a new premises near Telford, Shropshire. With 40 acres of land to utilise, upon planning permission being granted, Davison Forklift Ltd plan to build a mini business park which will house a complete redevelopment with space to hold new machinery as it opens its doors to new territory, focusing heavily on North Wales and Shropshire regions.

manoeuvre into new sectors has enabled Davison Forklift Ltd to enter higher markets and develop a broader customer base.

Recently the forklift industry across the UK has become very buoyant, seeing lead times reach in excess of up to 30 weeks wait for delivery from manufacturers. This is a global issue which could be endured until 2022. Davison Forklift Ltd has predicted a modest strengthening in the market for the sector despite the effect of COVID-19 and various other industry issues and switched to a more forward-thinking approach.

"We are expecting 20 forklifts to arrive soon. It is difficult as we have to plan a year ahead, which is something we have never experienced before in this industry – even the second-hand market is few and far between. We have had to overcome obstacles in order to keep the business thriving but also look into new areas in which we could exploit and grow into." Stated Adrian, Director.



On the 25th of August 2021, Davison Forklift Ltd will attend the Stafford County Show, which is an agricultural show where the company will showcase its forklift, tractor and telehandler machinery. This is an opportunity for the company to reach new clients and deep dive into the farming industry, where it will stage its machinery to corn merchants and arable farmers.

Davison Forklift Ltd is an industry leader, offering everything from material handling, new forklifts, long and short-term machinery hire and service. Davison Forklift Ltd give a thorough examination of each forklift purchase, giving it a lifelong maintenance guarantee.

For more information, see below.

T 01952 915060
sales@davison-forklift.co.uk
www.davison-forklift.co.uk

Educational sector provides further growth for GSE



Global Survey Equipment (GSE) was established in 2011 by Mark Owen and Matthew McGuire, expanding significantly since, the company is constantly growing within the survey and safety sector of the construction industry. Based in Atherton,

impressive functionality.

GeoMax Zoom 95 is a further developed total station from its predecessor the Zoom 90. The Zoom 95 now has a larger onboard screen, higher performing processor of the TPS with an internal memory of 2GB loading of site data onboard is considerably improved and onboard functionality all makes for better workflow. With a range of rugged Android tablets available, be it customer preference of device or advice from Technical support X-Pad Ultimate is the Field software best suited to the Survey and Construction Industry.

GSE also presents a range of detection devices, including Cable Avoidance solutions, Environment Meters, Drain Cameras and Gas detection. The company also provides a half day 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 its calibration, servicing and repair services, the company provides a full instrument calibration, alongside

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.



Total Stations and Zenith16UHF GPS Smart rover (which can also be setup using a Base and Rover scenario).



Greater Manchester. GSE is 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.

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

GSE offers a broad range of products which incorporates the latest technology. The survey equipment the company supplies is extensive and covers all aspects of the surveying process. GSE offers everything from auto levels to robotic instruments & GNSS most of which are under the manufacturing brand of GeoMax (part of the Hexagon group).

The Zoom 95 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

servicing and repairs on all surveying and confined space safety equipment. The service technicians at GSE are trained and fully compliant to the highest standards, undertaking regular professional training.



In terms of recent developments, GSE is pleased to have successfully delivered a range of Geomax survey instruments to Wigan & Leigh College to further bolster the GeoMax range of Total Stations they had previously acquired. This new equipment aims to support the T Levels in Construction (Design, Surveying and Planning) courses available at Wigan & Leigh College. Working alongside Martin Gilmore and his department on ways to further enhance the survey aspect of the curriculum, Global Survey Equipment was able to supply 3no GeoMax Robotic Total Stations, 3no Zenith 16UHF Smart rovers, 9no Android Tablets supporting X-Pad Ultimate Field software, Zone 20 Rotating Laser, Geomax Office Fusion Software and a Leica BLK360 Scanner.

The Android Field Controllers running Xpad Ultimate will allow the students to work in small groups preparing drawings, code lists etc in the classroom. With the flexibility of also having multiple instrument profiles within Xpad Ultimate, a group can work using either a smart rover or Total Station while carrying out practical lectures, making best use of conventional 2 Man Total Stations, Robotic



"We would like to thank Wigan and Leigh College and University Centre in allowing Global Survey Equipment to work alongside and support them and we look forward to assisting Martin Gilmore in the next academic year for the Technical Training on the Survey kit and software purchased." Added Mark Owen, Director.

As the company looks towards its future, GSE plans to further enhance its reputation and position within the Hire industry, continuing the working relationships that they have with its trusted and valued customers. Another



venture for the company will be to look at expanding further within in the educational sector.

Mark expanded, "With our recent supply of Survey Kit to Wigan and Leigh College, we are looking at working closely within the education sector offering technical support and ongoing demonstrations to students under the guidance of Senior Lecturers within the classroom environment and practical works outside. Being given this opportunity to show the next generation of Surveyors and Civil Engineers the latest in modern survey technologies is something we have worked on over recent years and was how we anticipated on building the Companies profile across the board."

For any more information, please see the details featured below.

Contact
T 01942 896244
www.globalsurveyequipment.com

Thermal isolation and anti-shock specialists

Established in 2006, Thermal Breaks Limited is based on a constant growing demand from specialised insulation products from its parent company AK Rubber & Industrial Supplies Ltd. Experts in thermal isolation and precision levelling solutions, Thermal Breaks Limited is committed to supplying high quality products manufactured from premium quality materials in a range of grades to suit customer needs.

Thermal breaks are used in steel-to-steel and steel-to-concrete applications. Each application helps to prevent thermal transfer from the exterior of structure, in to the internal structure via the steel framework. For steel-to-concrete, the thermal break greatly reduces heat loss into the concrete foundation or slab and provides better insulation for the structure.

Thermal Breaks Limited have partnered with Trimble Solutions UK

to produce a comprehensive and innovative software Tekla Plug-in component for Tekla Structures. Tekla Structures is an advanced BIM application that includes valuable construction information, such as component properties specifications, and essential manufacturer references. The Plug-in tool allows Tekla Structures' users to ensure the correct design and detailed information is applied throughout the project, from conceptual planning to fabrication and construction.

Thermal Breaks Limited also provide numerous other applications. TekTherm™ is a high-performance insulator used between internal and external connections to prevent thermal bridging. TekVibe™ (coming soon) is made from materials with low natural frequency, making an ideal product for shock absorption and vibration isolation. TekPack™ are high quality shims, designed to flex and absorb shock when required. TekSlide™ are low friction slide bearings that allow for movement

caused by a temperature change. Acoustic Attenuation is a high quality and high-performance noise reduction and thermal insulation range. Lastly, its Load Bearing Rubber are fibre reinforced load bearing pads manufactured using recycled high-quality tyres resulting in an economical friendly product.



For more information, see below.

T 0800 6444949
info@thermal-breaks.co.uk
www.thermal-breaks.co.uk

Smart and Sustainable – Next Generation Heating & Cooling Systems



As the UK government strives for UK carbon net-zero targets by 2050, the spotlight is shining on renewable energy technologies to deliver low-carbon heating and hot water requirements for homes and businesses.

With gas boilers being phased out of installation in new builds as soon as 2025, heat pumps are the key contender to replace them, with targets to install 600,000 a year by 2028 – a 20-fold increase from today's installation numbers.

Heat pump manufacturers MasterTherm have specialised in heat pump technology for over 25 years, designing and developing ground, air and water source heat pumps which use inverter technology to modulate output for outstanding efficiencies and a longer unit lifespan.

Available in outputs of 1-45kW, MasterTherm heat pumps have scope for both residential and commercial applications – also offering fixed output heat pumps up to 92kW and specialist heat recovery units suitable for uses such as process manufacturing.

MasterTherm heat pumps are designed to self-optimize toward delivering heating and hot water as efficiently as possible, also taking into account current outdoor weather temperatures and forecasted weather conditions. When connected to a time of use electricity tariff such as Agile Octopus (prices will change every 30 mins based on grid demand), MasterTherm heat pumps will also optimise toward operating when prices are lower to save up to 35% more on top of the already low cost of running a heat pump.

With the ability to also offer cooling, heat pumps are a smart 'fit and forget' technology which offer year-round climate control and comfort through one automated system.

Contact
T 01269 833102
www.mastertherm.co.uk

Air source heat pumps by HouseWrapped



With a strong ever-growing global emphasis on the environment, more and more people are searching for environmentally friendly ways in which they can improve their impact on the environment. One of the areas that is becoming more of a priority is improving upon energy consumption.

Air Source Heat Pumps are renewable heating units that are fitted in place outside a property and offer a number of benefits to the consumer over other types of heating sources.

The most significant benefits to the consumer of changing to an Air Source Heat Pump is the significant saving that can be made on energy bills and carbon emissions.

Air Source Heat Pumps works by using the air outside the home in order to warm the water pipes, producing both hot water and heating. The system works irrespective of what the temperature is outside the home and as a renewable source, is readily available and free.

Unlike other traditional forms of heating used to heat your home and water, there is no gas involved. This in turn, provides a substantial positive impact on the environment as it means a significant carbon emission saving can be made.

Notably, as part of their commitment to reducing carbon emissions, the government is offering a Renewable Heat Incentive (RHI) for people who change their heating source to a heating system with an improved energy rating.

To find out more about Air Source Heat Pumps & to arrange a free on-site survey, please go to the webpage below.

<https://www.housewrapped.co.uk/air-source-heat-pumps.php>



Air Source Heat Pumps

Air Source Heat Pumps are renewable heating units that are fitted in place outside your property and offer a number of benefits to the consumer. Some of the benefits include:

- Reduced carbon emissions
- Can heat water and your home
- Minimal maintenance is required
- Easier to install than many other systems
- Receive Incentive payments for 7 years

For more information call 0800 689 4483, email info@housewrapped.co.uk or visit www.housewrapped.co.uk

Pioneers of heat pump technology for over 25 years



ADVANCED INVERTER GROUND & AIR SOURCE HEAT PUMPS

<ul style="list-style-type: none"> Online control & 7 year warranty Inverter technology for advanced efficiencies and increased system lifespan Solar thermal integration Simultaneous heating & cooling Wide range of sizes - up to 22kW in single phase and 92kW in three phase. Cascade systems up to 2MW 	<ul style="list-style-type: none"> Weather compensation Intelligent zone control - Up to 6 heating circuits Passive and active cooling functionality Process heat recovery and cooling Low noise output Specialist high temp units with output water up to 84°C
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WWW.MASTERTHERM.CO.UK | 01269 833 102

Heat pump installation experts



In this issue of Building and Construction Review, we are proud to announce IMS Heat Pumps Limited as the recipient of our Heating & Ventilation Products & Services Award winners.

With over 20 years' experience, IMS Heat Pumps is one of the UK's leading Ground and Air Source Heat Pump installation experts in the UK. Through excellent designs, installed by skilled and knowledgeable engineers, IMS Heat Pumps ensure its customer's bespoke heating systems provide 100% of the heating and hot water they need.

Established in 1997, IMS Heat Pumps work with newbuild, self-build, custom-build homeowners, main contractors, developers, builders and architects across Scotland, the North and Midlands areas of the UK, from offices based in Perth and Sheffield.

With in-house expertise, IMS Heat Pumps designs, supplies, installs, services and maintains ground, air and water source heat pumps and associated underfloor heating /radiator distributions systems. IMS Heat Pumps ensure its customers get the right low carbon, energy efficient heating and hot water system for their property.

We spoke with Emma Bohan, General Manager of

IMS Heat Pump Installers who proudly stated, "We are MCS Accredited, TrustMark and Trading Standards Approved. We are members of NAPIT, HEIS and SNIPEF. We sit on the Ground Source Heat Pump Association Council and adhere to their strict Code of Conduct. Our designs are independently validated by EPVS."

With an impending ban on gas boilers from 2025, IMS Heat Pump Installers recognise the power of heat pumps and the role they play in shifting the UK to net-Zero by 2050. Carbon emissions from Heat in Buildings is a key challenge, but air source and ground source heat pumps are a proven technology providing efficient, effective low carbon heating for domestic and commercial properties.

Whether you are involved in self or custom builds, installing a ground, air or water sourced heat pump will not only provide for 100% of the heating and hot water needs it will future proof your new home from fossil fuel price rises or future carbon-based penalties.

A correctly designed and expertly installed heat pump will minimise utility bills, reduce carbon footprint,

and qualify you for the Renewable Heat Incentive (RHI) Government scheme. There really is no better time to install these systems into your new build or renovated property.

IMS Heat Pump Installers has been future proofing homes against fossil fuel price rises for over 20 years. Putting an end to the gas boiler and potential carbon taxes, 100% of heat and hot water is delivered by the heat pump without the need, in most cases, for a back-up boiler.



With many years of experience, all work is done in-house, without the use of sub-contractors. "Our expert, in-house team are some of the most knowledgeable in the UK. With over 150 years of experience, installing systems for over 20 years, we have been in the business for a long time; providing a knowledgeable, trusted, experienced, friendly service for our clients. Unlike many in our industry, IMS don't take deposits or advance payments. We work with you, your builder or your architect to ensure that the installation process is fully co-ordinated." Said Emma.

Going forward, IMS Heat Pump Installers is delighted to be attending the Home Build & Renovation Shows taking place in Harrogate on the 5th - 7th of November 2021. This is the perfect opportunity for self-builders or renovators to meet IMS Heat Pumps installers and experts to get all the advice you need for your home project.

Emma explained how the company felt receiving the award, "IMS is delighted to be acknowledged as a Premier provider of Heating Services for the design, supply and installation of ground, air and water source heat pumps in the new build, self-build, custom build sector that recognises that our clients are guaranteed the right, bespoke, technical solution for their dream home, Grand Design or prestige development. We continue to go from strength to strength and are delighted that heat pumps are being acknowledged as the 'no regret' technology to install today to future proof your home for tomorrow".

For more information, please see below.

Contact
T 0114 327 0100
contact@imsheatpumps.co.uk
www.imsheatpumps.co.uk

Using only electricity to power the pumps, this technology used to heat your home will help lower your footprint, contributing to the UK's target of net-zero by 2050. The heat pumps deliver remarkable results reaching 300% to 500% efficiencies by transferring 1kW of electricity to 3kW - 5kW of heat into your home.

"This year IMS Heat Pumps will be delivering its heat pump systems into three 'Grand Designs' properties and many other beautiful custom build and self-build homes along with a number of small but prestigious developments." Stated Emma.

A developer's 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 company's 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.

www.purehaus.co.uk

Why Harvest Rainwater & What You Can Do with it

With the increasing unpredictability of the British weather, there hasn't ever been a better time to harvest rainwater for use around your home and garden.

Water harvesting systems come in all different shapes and sizes, so depending on the size of your home and room you have available, you can choose a system that suits you. Keep in mind: the more water you collect, the more water you're able to save. You can also decide between above and below ground rainwater storage.

Harvesting rainwater can have some huge benefits for both you and the environment.

- ▲ Eco-Friendly
- ▲ Save Money
- ▲ Store Water for Summer

- ▲ Reduce Mains Pressure
- ▲ Help Reduce Flooding & Erosion
- ▲ You're Covered in Emergencies
- ▲ It's Free & Simple
- ▲ Flushing Toilets
- ▲ Washing Clothes
- ▲ Watering Your Plants
- ▲ Washing Your Car
- ▲ Cleaning
- ▲ Composting
- ▲ Pets & Animals
- ▲ Refill Ponds & Bird Baths

Are you ready to harvest rainwater now? Find your solution at Rainwater Solutions today.

www.rainwatersolutions.co.uk



RAINWATER HARVESTING

Rainwater harvesting is a smart way to reduce your water bill as it can be used for a number of purposes.

Find your solution at Rainwater Solutions today.
Call 01462 429 758 or visit www.rainwatersolutions.co.uk

Harvesting rainwater can have some huge benefits for both you and the environment.

- ◆ Eco-Friendly
- ◆ Save Money
- ◆ Store Water for Summer
- ◆ Reduce Mains Pressure
- ◆ Help Reduce Flooding & Erosion
- ◆ You're Covered in Emergencies
- ◆ It's Free & Simple



TIMBER GARDEN BUILDINGS



**GARDEN OFFICES
TIMBER GARAGES
WORKROOMS**



WARWICK BUILDINGS

**NIGHTINGALE LANE
LONG ITCHINGTON
SOUTHAM
CV47 9QL
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'Quality Timber Buildings For All Your Needs'

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Terrific timber from the heart of Lincolnshire



We are pleased to announce that George Barnsdale has received Building and Construction Reviews Commitment to Excellence Award.

Founded in 1884, George Barnsdale is a family run business manufacturing high-performance timber windows and doors in Donington,

Lincolnshire. It offers a nationwide project management and installation service for commercial contract projects and has a network of approved partners for domestic customers.

George Barnsdale specialises in Timber fenestration for listed buildings, traditional style new builds and contemporary new builds and replacements. Passivhaus can also be achieved for greater energy efficiency.

George Barnsdale prides itself on producing a premium product, with natural quality and performance being at

the heart of its procurement and manufacturing process. What helps to bring its high-performance commitment to timber windows and glass door quality, is the company's high levels of customisation available throughout the design process.

Its products are fully customisable which means customers can more accurately replicate their original windows or doors, which in turn help customers meet conservation office requirements. It has one of the largest banks of acoustic and thermal test data in the industry meaning it understands the impact of every



design detail on the whole window's performance.

Most manufacturers only state the centre pane glass performance but George Barnsdale test and report on the whole window and performance. George Barnsdale has been busy working on new projects and its latest innovation, although it hasn't quite launched yet, is a bottom hung bi-fold doorset. This caters for buildings that are not structurally able to support the usual top hung versions such as oak framed buildings due to movement of timber beams.

And the innovation doesn't stop there, George Barnsdale also has an excellent vacuum glazing system that looks like single glazing but is as efficient as triple glazing and doesn't require an unsightly plug. "We use Fineo which delivers amazing energy performance combined with exceptional thermal insulation and extreme durability. The unit has superb noise reduction, harnesses more free solar energy and is 100% recyclable and lead free." Said Tracy Pomfret, Head of Marketing.

With innovative solutions in its DNA, George Barnsdale's main target customers range from builders, contractors, developers, homeowners, and self-builders. Being industry leaders in timber windows since 1884, George Barnsdale calls for developers, contractors, and architects to adopt an open-minded approach to modern high performance timber fenestration. Lasting longer than uPVC, each design is not just aesthetically pleasing but delivers Passivhaus performance levels and can be used in multiple projects.

George Barnsdale has bounced back well from COVID-19, particularly in the domestic channel as more homeowners have invested in their homes. Supply and demand is concerning but George Barnsdale has been working closely with its partners to ensure the continuity of its supply.

Looking to the future, further investment has been made in the factory finishing area and into new product development. Its current project working with Vastern Timber is being used to test homegrown timber in the company's products. Contract and installation project work will continue to expand outside of London.

"We would also like to do more contemporary work with Passivhaus type projects, and we anticipate that timber will increase in popularity because without it, construction will never achieve NetZero." States Tracy.

Through the quality of its products, the passion of its team and the knowledge and experience it possesses, George Barnsdale can supply and support you for the duration of your build.

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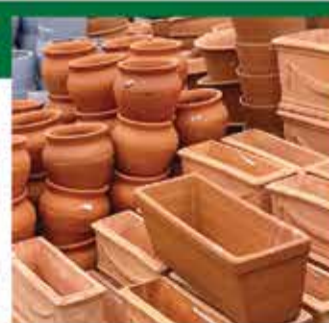
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Monday to Friday: 8am - 5pm (November - January 8am - 4:30pm) Saturday: 8am - 12 noon (Closed Saturday Weeks 36 - 46 and Bank Holidays)

Pro-Domes

Pro-Domes was created in 2021, with the aim of providing the highest quality Geodesic Domes to the Glamping world. Having vast experience in the Glamping sector, we know exactly what it takes to give Glampers that something extra special.

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Vision Development



Vision Development is a family run business that understands the importance of providing high quality homes for self-builders and developers. Vision has their own manufacturing facility based locally in Beenham, Berkshire where we have a range of high quality, durable materials for manufacturing our timber frame systems, available to view by our clients looking to understand the timber frame construction process for their home.

The flexibility of design, speed of construction and allowances for first fix trades means choosing timber frame for your project will mean your entire project is brought to fruition far sooner with a lot less disruption.

Vision believe that each project they receive should be treated as individual and as such, priced accordingly. Vision provide fixed costs to their Client's, not a 'budget estimate' that allows our clients to properly budget for their project.

Vision boasts the only in-house timber frame manufacturing facility situated in Berkshire, meaning the quality control of workmanship and materials is guaranteed with every project they undertake. All materials used are sustainably sourced and all their frames are manufactured and installed by trusted and experienced teams. As well as the above, Vision are certified to ISO 9001:2015 standard, ensuring a strong consistent customer focus along with quality products and services.

To get in touch with Vision directly to discuss your own project, call them on 01189 712181 or email your drawings through to them at info@vision-dsl.com.

Their website has a host of information on their services and past projects they have completed, here are a selection of the beautiful homes they have supplied to their Client's.

www.timber-frame-suppliers.co.uk



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Eventclean specialises in event cleaning and waste management. With over 25 years' experience, it has catered to some of the most high profile events in the country including the Rugby World Cup Fanzone in 2015, the UEFA Champions League Final in 2017 and the Volvo Ocean Race in 2018. It has also introduced waste sorting and recycling services to the National Eisteddfod in Cardiff Bay in 2018 and has been cleaning contractor for the RHS Flower Show for many years.

cleaning and waste management or quality toilet hire, you can rely on the team for the highest standards. Services include event cleaning and litter picking, waste management and disposal, waste recycling, portable toilet cleaning and attending, and the supply of compostable food packaging and cleaning products.

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Whether you are looking for first class



Sunshade Services



Sunshade Services were tasked with providing an outdoor sheltered space for Frimley Church of England Junior school. The existing space was located near to the main school building but on the edge of the playing field with a pavement walkway on one side and an existing football pitch on the other.

Our design brief was to cover an area as large as possible, within budget whilst remaining within the confines of the pavement & football pitch. The structure was to be located centrally when looking at the school building to create a symmetrical view when looking at the school.

Our solution was to install two of our Trent canopies, each 8m long x 6m wide, joined-together to cover a total area of 16m long x 6m wide. The two canopies were joined in the middle with one of our custom-made gutter joints which effectively created one large canopy.

The steel framework was powder coated in the colour of choice of the client & comes with a 5-year structural warranty. Each post was fitted with a 50mm thick, 1.5m long padded post protector in different colours so as to optimise the appearance of the structure.

The entire structure has been designed & manufactured in the UK to maximise the backup & support for all component parts.

Trent canopies can be installed in completely open areas, adjacent to existing buildings, courtyards, in fact anywhere there is a requirement for a covered area.

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We pride ourselves on delivering exceptional customer service; offering innovative solutions that enable us to meet all our clients' needs. We provide a completely bespoke service utilising over 40 years of technical experience.

We are committed to providing you with the best solutions using the best product for the best value. We are so confident in the quality of our products and workmanship that we provide warranties of up to 15 years.

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HSE News

Construction dust

Regular inhalation, of even small quantities of construction dust, can damage the lungs and respiratory airways over the course of time. Some diseases can develop quite quickly, but in many cases, it can take 10 to 30 years before symptoms become apparent.



What is construction dust?

Construction dust is a broad term, there are many different types of dust one may be exposed to in a construction environment.

Silica dust arises during work with materials containing silica, such as concrete, mortar and sandstone.

Wood dust arises during work with softwood, hardwood and wood-based materials such as MDF and plywood.

Other types of dust arise during work with plaster, glass wool, mineral wool, marble, etc.

Health risks:

Lung damage such as silicosis, lung cancer, asthma, or chronic obstructive pulmonary disease (COPD), and includes diseases such as chronic bronchitis and emphysema.

Respiratory protection

When all other measures have been taken to reduce dangerous exposure levels, respiratory protection equipment is the last means of preventing hazardous air contamination entering the body, via the airways.

Facial hair, such as beards, moustaches, and sideburns, reduce effective seals on tight-fitting respirators, and create a need for Powered Air Respiratory Protection to ensure adequate levels of contaminant reduction.

For expert support on your respiratory needs, contact Sundstrom Safety UK at: ukhelpdesk@srsafety.com or Tel 0330 808 8935

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Contemporary triple glazing solutions

Internorm celebrates its 90th anniversary this year. It is the leading window brand in Europe, offering premium, low energy and Passivhaus window and door systems for self-build and renovation projects — all manufactured in its own facilities in Austria.

Triple glazing is becoming increasingly popular. It is the future – and the present – and there is no reason why it should not be considered across all project types. Not all window companies have designed their windows to be triple glazed from the

outset, so do your research when choosing windows.

The award-winning Internorm triple-glazed products are made to specification and provide exceptional technical innovations combined with superior energy, acoustic and security performance. Internorm's extensive offering includes composite timber/aluminium, uPVC and uPVC/aluminium windows, lift & slide as well as stylish entrance doors. There is an Internorm product to suit every project.

Internorm's bespoke window range, which is available in a choice of designs and colours, has excellent overall thermal performance with U values below 0.8 W/m²K and exceptional sound reduction of up to 47dB. As a result, specifiers can take advantage of a unique window specification that can be tailored to the performance and aesthetic requirements of the project in hand.

Find your approved Internorm Partner near you - www.uk.internorm.com or email office@internorm.com.



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Internorm offers a stylish, completely bespoke range of premium triple glazed windows and doors in Timber-Aluminium, uPVC and uPVC-Aluminium.

There is a product to suit every low energy self-build, renovation and mixed-use commercial project and it is not surprising that Internorm has been an industry leader for the past 90 years.

- ✓ PHPP compliant across our full range of products, including large glazing and lift & slide doors
- ✓ Exceptional Thermal Performance - u-Value as low as 0.56 W/m²K
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TimbaBuild

A family-run Cornish business based in Newham & The Port of Truro, Cornwall.

TimbaBuild, which specialises in everything timber-related from timber framed houses, garden features, Furniture and decking, provides full design, planning and construction of a client's project, creating a strong relationship with customers to create the best finished product for them.

Paul Harvey, owner and director of TimbaBuild, said: "We operate an open door policy, where we invite the client in to view their project during manufacture, we listen, advise and discuss every part of the project.

Priding themselves on a dedicated customer service, TimbaBuild's team keep clients up to date with every element of their build thanks to a dedicated online portal, which includes invoices and quotations, as well as a finance tracker, enabling them to see where their money is being spent.

Paul said: "A daily diary is also kept, so that the client knows what has been accomplished per day, every day. In many instances, we offer a time lapse camera service, and present it to the client at the end of the project, completely free of charge."

Paul added that this combination of great customer service and quality finished products, has resulted in the continued client list returning time and time again.

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Cableflor



Cableflor is a low profile, cable management floor system. Made in the UK from plastic waste to fill the gap between full-blown raised access flooring and chasing the floor out.

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Each sheet of Cableflor is made up of 10cm modules that just clip together - there are no fixings. Wherever you need your cable to surface, simply remove a module.

There is a 33mm wide x 11mm high channel every 10cm, in both directions - you can also remove a module easily retrospectively. Each module has a live hinge so once it has been removed, you can fold back a channel to lay the cable.

Trim to the nearest 10cm by tearing off rows or removing segments - no skills or training required, so it can be fitted by anyone. If you are running the floor through doorways, the floor is so low you don't usually need to replace the doors, just trim the bottom.

For more information visit our website www.cableflor.co.uk or contact Lee Cooper at lee@cableflor.co.uk




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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



South West Lighting Protection

South West Lightning Protection was formed in 2014, by Gary Libby, who has over 39 years' experience within the lightning protection industry. South West Lightning prides itself on providing a high level of service to our customers, and ensuring works are carried out on time and within budgets. The company has full in depth knowledge of current Lightning protection standards,



and can design, install, and maintain all lightning protection systems, complying with BSEN62305, older BS6651 systems, and alternative Early Streamer Systems.

In conjunction with our partners we are able to provide surge protection designs and installation, which enables us to provide a full turnkey service to our clients which request it

SWLP are safety audited by Safecontractor to ensure high levels of Health and safety are maintained during the course of our works. Engineers are trained in all aspects of lightning protection, and are DBS checked, and hold security clearance for works within the Ministry of Defence estates.

South West Lightning Protection core services are provided to the commercial sector, Ministry of Defence, and Telecoms providers. However we are also involved with numerous individual clients, ranging from churches, schools, and facilities management companies, no job is either too big or small.

Our works are coordinated from our office locations in Plymouth and Scotland, so wherever your project may be located we are able to provide our full range of services.

In recent years we have expanded our services to our clients to include the Test and Inspection of roof mounted horizontal safety systems, anchors, access ladders, and guard rails, which provides a costs saving when combined with our lightning protection inspections

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iContact is Simply Diverse

A brochure to explain the diversity of a product with massive capabilities has been published by Strand Technologies. iContact uses GSM/GPRS to enable real-time reporting across a range of security critical applications and access control systems for global remote monitoring, alerting, diagnostics and remote control.

It can be fitted to a range of electro-mechanical equipment – making it a versatile option. It works by collecting data which ‘talks’ to its parent – a specially developed software package produced with Python programming. This is accessed via a user gateway that allows the client to remotely manage the assets.

The brochure highlights how the system works, where it can be used and provides technical details for specifiers and technologists. It can be downloaded via www.strandtech.co.uk.

co.uk/icontact. iContact has a proven track record of being used in many types of environs including commercial, retail, manufacturing and warehousing premises – providing facilities managers with the tools for rapid diagnostics, performance reporting and essential remote locking/unlocking. It is ideal for schools, universities, hospitals, care homes and other buildings accessed by the public to deliver safeguarding requirements, improved accessibility and alert systems linked to entrances, gates and barriers.

iContact can be used for access control in facilities which operate entry tags, PIN numbers and card management – providing access history and alerts for unauthorised access attempts and to manage systems within specialised markets.

Simon Bowden, Sales and Business Development Director for

Strand Technologies said that iContact was a small product with big capabilities.

“If you are managing buildings remotely or oversee a large estate with multiple assets, iContact can help you do so remotely with improved connectivity,” he said. “It provides a cost-effective solution that is compatible with wider building management control but can also be used as a stand-alone system – making it ideal for both new and retrofit developments.

“In minimising site attendance and emergency visits from service engineers, it can help reduce your carbon footprint and reduce energy costs by ensuring that your assets are working to their optimum,” added Simon. iContact has been fitted to a diverse range of equipment including fire and smoke protection, temperature monitoring equipment, road safety signs and lights, threat protection and alert systems



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Launching their Podcast Series ‘The Wellbeing Economy’

The real estate sector is evolving, and the growing trend towards health and wellbeing is being driven by influences across the supply chain. This is no truer now, than through a global pandemic.

The built environment has a huge role to play in building a healthier, more sustainable world. Product innovation, wellbeing and safety all play a key role in delivering sustainable, people-centric built assets. Future thinking product manufacturers need to take a lead on integrating real world solutions that deliver higher performing real estate investments.

At SAS International, we put new product technology and design at the heart of our business, developing novel ways to help people thrive in their workplaces and in public spaces.

Working with key authorities and stakeholders for creating healthier and more sustainable environments, SAS International have created a series of podcasts, with the aim of engaging the whole supply chain in systems thinking support for sustainable development, and our collective impact on people and planet.

The series, entitled The Wellbeing Economy has been recorded over recent months and is now available across a number of the major podcast platforms.

Each podcast is a round table discussion including Kay Sargent – Head of Workplace at HOK, Chris Pyke, co-founder of GRESB and Senior VP of Arc Skoru and Kay Killmann, MD of GBCI Europe. Along with Ann Marie Aguilar, Senior VP of EMEA at the International WELL Building Institute, they debate topics surrounding the relationship between the value of real estate investment and the value of occupant wellbeing. They also explore what a systems thinking approach should look like, and they share their opinions regarding how we can transform existing buildings and innovate for buildings of the future.

The recordings capture some insightful commentary; Kay Sargent made a thought-provoking observation, “The auto(motive) industry is kicking our butt. You have a better experience and more tech in your car than you do in our workplaces.”

SAS International are developing their R&D programme in line with WELL and other rating systems as part of their long-term business strategy. They are driven to identify connections and touch points between the supply chain, the design investment, and building management to create a better built future for all.

For more information visit – <https://sasintgroup.com/the-wellbeing-economy-a-podcast-series/>




Service Sealing Solutions Ltd


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Liv Housing Group helps fire service prepare for major incidents in high-rise buildings



Knowsley-based Liv Housing Group is working with Merseyside Fire & Rescue Service to help crews improve their emergency response to dealing with high-rise incidents.

A major training exercise involving the simulation of a fire recently took place at Liv's unoccupied Gaywood Green tower block, in Kirkby.

Gaywood Green is thought to be the only empty high-rise building in the country being used by a fire service to undertake live practice scenarios.

Eight fire engines, two support vehicles and an aerial platform ladder vehicle rushed to the scene. Around 80 emergency service staff took part with actors posing as residents.

The exercise gave new firefighters the opportunity to experience a realistic fire and evacuation scenario.

Learning outcomes will be shared locally and nationally to improve safety and hopefully reduce the possibility of future high-rise fires.

Tony Cahill, Executive Director at Liv Housing Group, said:

"The safety and protection of our residents is of the utmost importance to us and we are proud to be working in partnership with Merseyside Fire & Rescue Service to help them prepare for high rise emergency incidents.

"As far as we are aware, Gaywood Green is the only empty high rise building in the country that is being used for exercises like this, and MFRS will be able to share learnings with other fire services around the country."

Dave Watson, Group Manager at Merseyside Fire & Rescue Service, added:

"We work closely with housing providers and local authorities to ensure the safety of those living within high rise buildings and exercises like this are vital - we would like to thank Liv and the local community for giving us the opportunity to carry out a large exercise in a realistic setting."

For more information about Liv, visit <https://livhousinggroup.com/> or contact 0151 290 7000.

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