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Building & Construction Review

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Shou Sugi Ban®: Charred timber cladding

Aesthetically pleasing and low maintenance, Exterior Solutions Ltd offers a premium exterior finish for contemporary builds and heritage renovations. Shou Sugi Ban® is the market leader in quality charred timber cladding.



Inspired by the traditional Japanese art of yakisugi, Exterior Solutions has created a desirable range of colours, grains and textures in the Shou Sugi Ban® collection. Are you drawn to traditional black, crackled timbers or is a light, smooth finish in keeping with your architectural design?

Our expert team handcraft sustainably sourced timbers in our on-site workshop. Our commitment to high standards has earned us a reputation as a trusted supplier to architects and building developers.

Our charred timbers are naturally insulating, as well as being weather and insect resilient. They provide a timeless finish to any property, which won't fade, crack or peel.

Shou Sugi Ban® has been the specification of choice on RIBA award-winning builds, Grand Designs and stunning exterior landscaping projects. Does it fit your design brief?

If, so, download the Shou Sugi Ban® catalogue from our website, or contact Exterior Solutions on 01494 711800 for samples and a quote.

Packers: Avoiding the voids

STADON LEVEL LIMITED

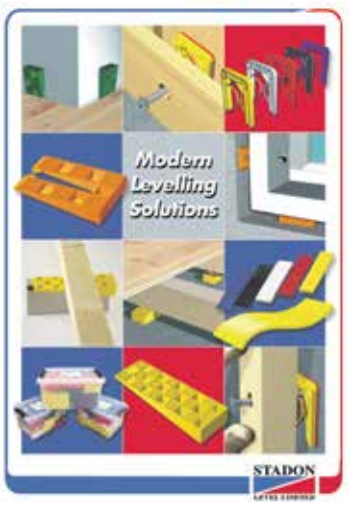
When it comes to packing out spaces during construction, there are times when it is essential to maximise the 'fill' so as to minimise stress especially when dealing with high loads. In this case a solid component of uniform cross-section and no voids is indispensible. Equally, there are times when a flexible component is desirable when those spaces are of irregular shape.

Often, a packer is not required to carry heavy loads, in which case its density and composition is less important. Indeed, a packer of softer material to provide a cushioning effect between components may be desirable.

Stadon Level offers different types of packers for various applications:

- Solid rigid packers for high load bearing
- Solid flexible packers for everything else
- Hanging packers for vertical alignments
- Wedge packers for adjustability.

www.stadon.co.uk



Air conditioning and heating Solutions

Clima-Tech was founded in 2015 by Ashley Shemmings, a self-employed specialist in heating engineering with over 18 years' experience in the engineering industry. Clima-Tech is a family run business and alongside Ashley, wife Franki Shemmings works in the office. What started off as a maintenance and servicing company, soon evolved into a specialist multi-faceted service with a proven track record in the electrical, refrigeration, domestic, and commercial sectors.

Clima-Tech is well trusted and well established in the renewable energy field. Clima-Tech is hands on and works closely with its clients to ensure that the best service is delivered. Clima-Tech is an approved contractor by the following certified bodies: Microgeneration Certification Scheme (MCS), Renewable Energy Consumer Code (RECC), IWA, and REFCOM. Furthermore, Ashley has trained to the highest level, holding qualifications such as City and guilds 2360 NICEIC certified, City and guilds F-GAS, B-PEC G3 unvented, B-PEC Heat pump design, and B-PEC water regulation.

Clima-Tech has been the receiver of many awards over the years receiving first, second and third place in the following: 2019 National Energy Efficiency Awards, Energy Efficiency Champion and Commend Renewable Heat Installer & Contractor 2020/21 and the National Energy Efficiency Awards 2020/21. Another milestone for the company was in 2021 when Clima-Tech employed its first member of staff.

Clima-Tech specialise in a range of core services in the renewable energy field for MCS/RHI registration systems, Heat pumps, Heating systems, Electrical system design and installation, System commissioning, Air conditioning, Solar panel specification, design, installation, repair and maintenance, and Underfloor Heating and Plumbing works.



Contact
T 01728 684437
ashley@clima-techservices.co.uk
www.clima-techservices.co.uk

Carlisle transforms EPDM installation with Hertalan induction system



Carlisle Construction Materials, the world's largest supplier of single ply waterproofing membranes, has introduced the Hertalan Induction system for mechanical fixing of its EPDM membrane – **Hertalan Easy Cover.**

Using induction technology to secure Carlisle's Hertalan EPDM membrane to mechanical fixings laid out to a fixing pattern provided by Carlisle, the system enables use of a single set of fixings for both the insulation and the single ply membrane. The simple to use Hertalan Induction equipment bonds the EPDM membrane to each fixing in seconds, saving time on site and avoiding the need for any penetrations in the membrane.

Hertalan EPDM installations can be achieved with lower risk and absolute consistency because the equipment creates a firm bond between the fixing and the membrane. The innovative installation method also means that Carlisle's Hertalan EPDM membrane can deliver a circular approach to sustainability, enabling removal of the membrane from the fixings in a useable condition for re-use or recycling.

With a 50+ year service life and a BBA certified 25-year lifespan, the Hertalan EPDM roofing system already boasts compelling sustainability credentials. Free of VOCs and plasticisers, it is fully recyclable, resistant to UV, ozone and other atmospheric influences, root resistant, lightweight, and permanently flexible.

T 01623 627285
www.ccm-europe.com/gb/
info@uk-europe.com

CARLISLE CM EUROPE



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The entire content of this publication is advertorial based. To place an advertorial or an advert, please call 0121 725 1587.

For all advertising and sales enquiries, please contact
Sam Morton, Sales Manager: 0121 725 1587

Access Made Easy with Rapid Access





In this issue of Building and Construction Review, we have chosen to recommend Rapid Access Ltd for its innovative access products.

Based in Nuneaton with two Manufacturing facilities and a warehouse in Atherstone, Rapid Access was established in 2008 by three local businessmen looking to revolutionise the access panel industry. The company's first facility in Abbey Green, Nuneaton, houses two production lines - manufacturing bespoke panels for wall and ceiling use in a wide range of specifications and sizes offered to all customers.

The second facility is located in Attleborough, Nuneaton, and is used to manufacture the most popular panel, the Flipfix. Rapid Access Ltd uses this facility to operate an effective and efficient stock line, making sure that it is fully stocked, to enable customers the advantage of a next day delivery service which can be delivered direct nationwide.

The main role of Rapid Access Ltd is to manufacture standard and bespoke access panels, riser doors, loft hatches and fire rated over boxes in various sizes and specifications. Specialist manufacturers for the construction sector, it also extends unrivalled service to distributors, contractors, architects and national merchants. The company uses its expertise to understand all of these different industry sectors to broaden its brand and to stand out from other panel suppliers for independence and a relatable identity.

The company also offers its customers a large quote support with each quote over £5,000. This contains an information pack containing the quote summary, datasheets, test certification, product/service benefits and features, and fitting instructions. Additionally, customers are provided with a detailed product brochure including price and product information and guidance.

The company specialises in manufacturing steel products, and it currently has two unique products that offer ease and money saving aspects when fitting the panels that Rapid Access Ltd have designed. These are the Rapidfit® hinge system for Riser Doors and the unbeatable Flipfix panel for wall and ceiling use.

The FlipFix range launched in 2015, offers a unique fitting device, Mitreless frame and new Flush Lock system. The innovative box packaging for stock sizes doubles as a pop-out template - simply draw around the template and cut your hole ready. The FlipFix device easily secures the access panel against plasterboard or drywall with a thickness ranging from 8mm to 32mm, and this allows the panel to fit flush to the wall providing a clean overall finish. FlipFix complies with the performance criteria for integrity using the principles of BS EN 1634-1 : 2014.



Rapid Access Ltd are also the inventors of the trademarked RapidFit® hinge system on its riser door range, and this hinge system has revolutionised the riser door by reducing door fitting times on site by as much as 95%. Working on a spring-loaded pin hinge means that installation of the door, once the frame has been installed, is much quicker than a door supplied with a traditional piano hinge.

In a crowded marketplace, Rapid Access Ltd works hard to stay at the forefront of the industry, and it has a committed and exclusive team that works on product development. Using previous and market leading research the team constantly works on new products that its loyal customers can promote with pride. The company is also always looking to pioneer its established name into all industries by way of bigger and better ideas.

Business Development Manager Katie Nellany commented, "we are currently working on new invisible ironmongery to go into our access panels for a clean and sophisticated look on high end projects. Incorporating a 'Fire Door Keep Locked Shut' sign with the hidden ironmongery, this new panel will give a discreet professional finish, and also eliminate the unsightly look of lock holes and missing lock caps that can easily be removed or misplaced on site."



Rapid Access Ltd have also launched a new NBS account to allow architects to add our panels to their specification with a click of a button. NBS is a highly credible specification platform that provides a single digital source of construction product information in a standardised format. NBS is a powerful and targeted channel for products, helping companies to reach more specifiers, generate more leads, and win more orders. Using NBS Source offers customers greater visibility, better decision-making, more sustainable and cost-saving options, in addition to a Digital 3D replica of real-world Access Panels, Riser Doors, Loft Hatches and Fire Rated Over Boxes.

Katie concluded, "we have a dedicated team on hand to assist with any queries, and our sales team aim to respond within the hour and make sure all questions and queries are answered with impeccable service. Working alongside the sales team is our technical support team, who have a wide range of experience and technical know-how of all things access panel related. We also have a fully experienced and knowledgeable external sales and marketing team, who make sure that all customers of Rapid Access are informed with the latest offers, information and give an interpersonal approach to our company."

For more information:
T 024 7632 8811
sales@rapidaccessltd.com
www.rapidaccessltd.com

RIBA CPD NBS

rapidfit®

Service Sealing Solutions Ltd sponsors this issue of BCR UK: see them on page 04

Architectural Film, Photography and Graphic Design

In this issue of Building and Construction Review, we have chosen to recommend Efendi Architectural for its expert services in promotional media for the construction, architectural and manufacturing industries.

Based in the Midlands, Efendi Architectural was established by owner Leo Collier-Bett in 2018. With clients based across the whole of the UK and internationally, the company provides a wide variety of digital services for a range of sectors.



Specialising in architectural film, promotional media, photography and graphic design, Efendi Architectural focuses on 3 core sectors: Construction & Industrial; Interior & Private Residential, and Hotel & Hospitality. Whether a client requires a brand video, short web commercial, photography to support editorial or a content rich print brochure, the company can help to provide exactly the right fit for all client needs. Some of this includes being involved throughout the project, and then creating a video film to tell the story of the build.

Leo commented, "using the latest equipment and a team of experienced industry professionals, we deliver top quality material with every project we take on. We work with the construction industry, supply chains and with manufacturers following the manufacturing process from to initial order right through to completed project. We place the same energy, time and care into all our projects to ensure that clients receive big budget results, without the heavy price tag." In addition to those already mentioned, Efendi Architectural' s wide portfolio of clients includes Façade manufacturers, including both aluminium and natural stone façade, architects, in addition to bespoke furniture makers, international property developers, insulation suppliers and brick slip manufacturers.

Among the Construction & Industrial sector, Efendi Architectural has an extensive background providing services for the UK and international construction and manufacturing industries. Regularly working on projects from first concept to final delivery, the company can support clients in promoting a newly finished development, or give further insight into your manufacturing process, and also developing the construction project. For all of these, Efendi Architectural can provide the highest standards in visual media to support any project.

The services offered to this sector include construction film & photography, manufacturing film & photography, construction timelapse, and specially tailored Linkedin promotional packages. The latter service is becoming more popular as the use of Social Media sites in industry becomes more and more important as a means to communicate and advertise.

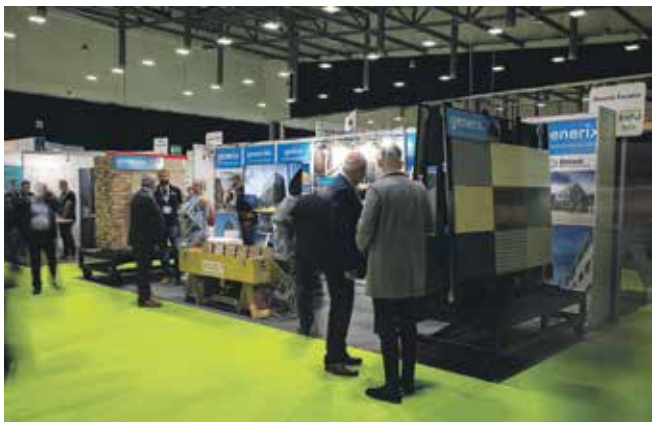
With regards to the Interior & Private Residential sector, Efendi Architectural believes that while exteriors are impactful, it is interiors that really capture the imagination and desires of a prospective customer. The company is experienced in capturing interior spaces of all shapes and sizes, whether a commercial or residential space, holiday let or selling a luxury property, it can obtain the highest quality visual content that represents the space in the best way possible.

With a wealth of experience catering for the luxury resort and hotel industry, Efendi Architectural can provide a varied range of bespoke, visual content options to suit varied client needs in the Hotel & Hospitality industry. The company provides everything from pre-production planning, scriptwriting and voiceover services, through to post-production grading, motion graphics and sound design. Using the latest equipment and a team of experienced industry professionals, it delivers top quality material with every project taken on.

At the recent Offsite Expo 2022 held at the Coventry Building Society Arena. Efendi Architectural provided comprehensive stand design and support for Generix Facades, Ibstock PLC & Ibstock Telling. In an extremely short time scale Efendi architectural designed the full stand layout, wall graphics, looping video showreel and promotional material such as brochures, business cards, banner stickers and bags.

Along with the stand design they also provided logistical support organising the stand setup, fit out and wider expo planning. Working closely with the three companies, Efendi Architectural created a targeted Linkedin campaign promoting the stand and event with strategically released videos and image banners in the lead up.

At the event they captured footage throughout the day producing a short video that was used that evening to promote the final day at the event.



John Nolan, Managing Director, Generix Facades commented 'Our stand was one of the best at the event and the feedback and foot traffic we experienced on the stand was a huge success. We couldn't be happier with Efendi Architectural, the service was superb and considering the timescale what they delivered was truly remarkable!'



Leo also commented, "we were delighted with the success of the event! Another positive project in our long-standing client relationship!"

As the company looks to the future, Leo concluded, "we are looking to employ more staff, and also move into new premises in order to take on more clients. We are a very busy company, but we want to continue to grow by planning carefully for the future, and this will enable us to enter in to different parts of the construction industry."

For more information:

T +44 (0) 7587 054663
info@efendiarchtectural.com
www.efendiarchtectural.com







Filling in the gaps for the UK's sealing requirements

Service Sealing Solutions Ltd

In this issue of Building and Construction Review, we are proud to announce that we have selected Service Sealing Solutions Ltd as the recipient of our Building Products & Services Innovation Award.

Service Sealing Solutions Ltd is the sole UK distributor for the sealing industry's top manufacturers; DOYMA GmbH. Service Sealing Solutions Ltd specialises in supplying water and gas-tight seals for utility services and district heating pipes. The company's ever growing market range can benefit from its broad scope of innovative sealing solutions alongside providing the highest level of expertise.

Service Sealing Solutions Ltd provide a number of different sealing solutions from the DOYMA product portfolio to both the public and private sectors in the UK, distributing DOYMA Curaflex, HKD and Quadro Secura products ranges.

DOYMA is an industry leading German manufacturer of sealing systems. In 2018, DOYMA granted Service Sealing Solutions Ltd the exclusive rights to distribute their products in the UK, although Company Director, Tina McAra has over 10 years' experience of selling DOYMA products with the previous distributer.

Service Sealing Solutions Ltd offers the UK construction industry the most extensive range of products, benefitting from the best in German engineering to seal penetration points in walls and floors to permanently prevent any infiltration of gases and water into the building. DOYMA's products are designed to solve all watertight duct sealing requirements and prevent against structural damage.

"In the various markets we supply to there is often confusion on the correct products required to successfully seal structures against water ingress through floors and walls. Service Sealing Solutions Ltd has the knowledge to deploy the correct DOYMA product to the correct application," said Tina McAra, Company Director.



Tina McAra, Company Director of Service Sealing Solutions Ltd holding the Building Products & Services Innovation Award

Service Sealing Solutions Ltd specialises in high-quality service duct sealing systems for utility services and watertight seals, offering its experience and expertise to advise and provide, developers and specifiers with the right solution for sealing against water and gas, entering around service entries in basements and high-rise buildings.

"The products we sell are precision engineered sealing solutions. There is an extensive standard range available. Additionally, Service Sealing Solutions has access to work with DOYMA, enabling us the ability to offer bespoke solutions where required," added Tina.

DOYMA maintains a wealth of experience spanning over 50 years, utilising this experience and vast knowledge base, the company ensures its seal range produces effective, simple solutions to meet all watertight service sealing requirements. This in turn, ensures that DOYMA's products provide the highest level of safety for sealing buildings where pipes and electrical cables pass through.

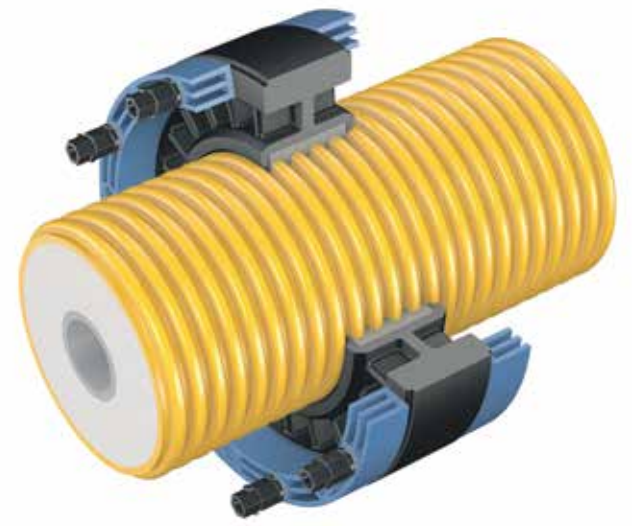


HKD which is now owned by DOYMA, manufactures a vast range of pipe sealing systems and service ducts with a guarantee that its products can withstand up to four bars of pressure. All of the HKD product range can be combined with the DOYMA's Curaflex range, one of the most popular DOYMA ranges.

"The standout feature of the DOYMA Curaflex and Quadro Secura ranges is the industry leading 25-year guarantee which is testament to the product quality and confidence DOYMA has in the products," stated Tina.

In terms of the company's customer base, it is extremely diverse. From large multi-national construction companies, medium size water-proofing specialists to individual





building contractors and renovation companies, Service Sealing Solutions Ltd has the sealing solution to meet a range of requirements, including large scale construction developments, Power Generation, District Heating and residential, where a water and gas tight seal is required.

Service Sealing Solutions Ltd has many exciting developments currently underway. Tina added, "We're working on a number of exciting customer projects which we hope to provide case studies for in the near future on our website."

For any more information, please see below:
T 01952 510050
www.servicesealingsolutions.co.uk



Service Sealing Solutions Ltd sponsors this issue of BCR UK: see them on page 04

Delta Tower Cranes Ltd specialise in the Hire & Sales of Luffing & Trolley Jib Tower Cranes



Established over 20 years ago by Richard Baldwin of Baldwin Crane Hire, Delta Tower Cranes Ltd is a one stop shop for the Hire, and Sales of Luffing Jib, Trolley Jib, & Pedestrian Operated Tower Cranes.

The companies head office is in Langley near Slough and they have depots in Theale, Reading and Newport in South Wales. From these bases Managing Director and Technical Sales Manager Tony Ferris and the ten staff service all companies requiring its products.

Tony Ferris with his long term experience in the Tower Crane Industry has been directly involved in the establishment of Delta Tower Cranes Ltd with Richard Baldwin from day one, and he commented, "While we are a fairly small company in the industry, we do have a fleet of up to 36 Luffing Jib & Trolley Jib Tower Cranes available for hire. We pride ourselves in providing a personal and flexible service, and I work directly with customers from the day that they contact us to ensure that we supply them with a suitable Tower Cranes and other services at very competitive rates. We are there right throughout the project to talk to and guide customers and field any issues that they may have."

Proof of the commitment the company has to its customers is evident in the investment it has



made in a comprehensive fleet of the latest Tower Cranes from leading manufacturers including Saez Cranes, as well as the latest state of the art equipment including Electronic Torque Equipment, AMCS Electronic Zoning/Anti Collision Systems and IKAR Rescue Systems. Delta Tower Cranes Ltd can supply a complete range of Hydraulic Luffing Jib Tower Cranes, including the innovative Saez SLH series of Flat Top Hydraulic Luffing Jib Tower Cranes which are ideal for sites with restricted air space, as they have vastly superior out of





service radius capabilities when compared with conventional wire rope Luffing Jib Tower Cranes. These cranes are the perfect solution for compact construction sites where air space is at a premium, or where they are located next to Network Rail Boundaries. In addition Delta Tower Cranes can supply Saez TLS series Flat Top Trolley Jib Tower Cranes, as well as Pedestrian Operated Tower Cranes.

The company hires its cranes out mainly to construction companies and can provide a complete package if required, including Crane Operators, a comprehensive range of Lifting Accessories, Generators with Bunded Fuel Tanks, and AMCS Electronic Zoning and Anti-Collision Systems. Tony continued, "I have been in the Tower Crane industry for over 45 years and myself and our very experienced staff take great pride in delivering an efficient and personal service to all our customers. Most of our work is repeat business in addition to website enquiries. Companies return to us time and again as they know that they are guaranteed personal and excellent service from our staff throughout every step of their project."

Delta Tower Cranes Ltd insists upon safety, reliability, first class service and efficiency and these are its core values and priorities. The highly skilled and experienced personnel are constantly undergoing training which enables the company to ensure that it provides its customers with a professional and 'safety first' service.

Delta Tower Cranes Ltd can also offer to its customers the benefit of its in house Auto CAD Design facilities, as well as arranging road closures, traffic management, and the hire of skips, brick forks, block grabs and other ancillary lifting equipment.

The following is a list of tower cranes in the Delta fleet, all specifications for each crane are available on the website (www.deltatowercranes.com)

Luffing Jib Tower Cranes include:

- ▲ Jost JTL 108.6
- ▲ Jost JTL 158.6
- ▲ Jost JTL 208.12
- ▲ Raimondi LR60
- ▲ Terex Peiner SN86/1
- ▲ Terex Comedil CTL140-8
- ▲ Saez SL 320
- ▲ Saez SLH205
- ▲ Jost JL256.16
- ▲ Potain MR165-G12

Trolley Jib Cranes include:

- ▲ TLS 65 4-8 Ton
- ▲ TLS 70-10
- ▲ Terex Comedil CTT121
- ▲ Terex Comedil CTT181
- ▲ Terex Comedil CTT231

Tony concluded, "We would welcome the opportunity of sharing with customers the benefit of our many years of experience in the Tower Crane Hire Industry by offering you technical advice and very competitive quotations for all your Tower Crane requirements."





For more information:

T 01753 542 418
M 07799 788150 (Tony Ferris – Technical Sales & Enquiries)
deltatowercranes@gmail.com (Technical Sales & Hire Enquiries)
admin@deltatowercranes.com (General Enquiries & Administration)
www.deltatowercranes.com





The only company in the UK to have served our current Monarch and a King of England with crowd barriers



From Crowd Barriers to Police Met Barriers, Red Herring Event Services Ltd (Red Herring) provide a range of fencing solutions for any local to large-scale event or festival. With previous customers being MSV Donington Park, Leicester City Council, LPH Concerts & Events, Live Nation (Music) UK Ltd, The X Factor, Formula E Operations Ltd and many more, Red Herring is well-known in its field and is trusted as one of the best and most reliable fencing companies in the UK.

The company was established in December 2006 by Charles Herring who whilst working for a scaffold company during the years of 1985-2006, started doing events for Leicester City Council. He put on his first major event in 1989 for the council and because of this, his outstanding work did not go unnoticed.

Following a redundancy from the scaffold company (21 years' service), Charles was offered to buy the fencing and barriers from the scaffold company to start his own venture. Taking them up on the offer, Charles took it upon himself to start his own business and in 2006 Red Herring Event Services Ltd was born.

The company has focused mainly on fencing and barriers, building a portfolio of products tailored to the customers requirements that guaranteed the short term, safe, efficient and cost-effective perimeter solutions they required. The company now stock a number of fencing solutions including Crowd Control Barriers 2.3m, Steel Shield Hoarding 2.1m, Temporary Fencing 3.5m, and Police Met Barriers 1.5m.





For large scale, prestigious events Police Met Barriers are the ideal solution to ensure all safety procedures are met. The galvanised steel barriers ensure the safety of the public as well as being a useful tool to guide them to their designated areas. Even though they are large and bulky, the Red Herring team are trained to carry out a fast and efficient assemble and disassemble of the barriers whilst keeping safety as the number one priority.

Of course, there is always people who try to climb the fences particularly at festivals. So to combat this issue, Red Herring can provide 3.5m x 2m Anti Climb Temporary Fencing that is made up of anti-climb modular mesh and has proven very popular at such events. Manufactured to the latest state-of-the-art technology, customers also have the choice of a number of different stabilisers to ensure the reliability and quality that they need.

Red Herring is based at Charles' home office in Lincolnshire but the company operates all across the UK, "distance is no object. What we can offer over our competitors is that we provide a full service from the initial quote to the disassembling of the equipment after the event. We have a team of trained experts who will deliver, assemble and disassemble all equipment and are available as the client's single point of contact throughout. We are able to offer a competitive price as our overheads are very minimal and one of the main benefits of our services is that unlike other companies who will need to hire the equipment they loan out, we own all of our equipment so this negates any waiting times and means we can deliver, assemble and disassemble everything for you in a quick, efficient and safe manner. We only use our own moffetts to load and unload artic lorries, and use them on site locations instead of using telehandlers. We are available 7 days a week, the event industry isn't a 9 to 5 job anymore, work long hours and can handle multiple jobs a day," stated Charles.

It is clear to see that Red Herring is a trusted company within the event sector and can be relied upon even for a last-minute job. In the future, the company will be looking to capitalise on the good weather and remain active across the events sector throughout the British Summer. There is scope to bring in 10.5km of fencing and 3.5km of crowd control barriers, that will also be very useful for large scale events.

If you're looking for any fencing and barriers for your large- or small-scale event, please get in touch below for immediate service. We will go where the job needs to go, no job is too small.

T 07860 950894
charles@redherringeventservices.co.uk
www.redherringeventservices.co.uk



Aluprof puts the facade in BIM

Our digital transformation continues to pervade our lives in virtually everything we do. BIM's use in construction has revolutionised our industry, offering real time collaboration across businesses offering us the ability to design a 'digital twin' of a building before work begins on site. A recent survey by Dodge Construction Network concluded that in 2021, 60% of architect practices confirmed that over 50% of their work was being completed in a BIM workflow, with 89% of practices forecasting that 50% or more projects will be completed in BIM in the next two to three years. Architects are clearly leading the way with BIM implementation, engineers and contractors are not far behind. Whilst the report covers countries around the globe, the UK is reported as leading the field in the adoption of BIM.



So why BIM? What is the advantage?

Overwhelmingly for architects and engineers, using BIM improves the ability to manage complexity, helps in achieving quality in design, reduces errors and rework, offers an improved ability to meet design requirements and increases stakeholder buy-in. For contractors, the benefits include reduced defects on site, reduced costs and greater efficiency. Not only does the BIM model offer a design element, but it also offers data on the product source, product specification, finish and maintenance requirements. Furthermore, the ability of having a 'digital twin' allows for further 'what-if' scenarios to be reviewed during and after construction.

Clearly, if you have products that you wish to have specified today in commercial construction, you need to offer these in a BIM format.

What is special about Aluprof's BIM?

In 2019 Aluprof established their 'BIM Technology Department' to offer BIM models of all its fenestration products with a full set of BIM libraries. It is crucial that BIM model construction is undertaken in a consistent way which is why it is based on the international standards ISO 19650. The ISO 19650 standard is an international standard for building information modelling (BIM) over the complete life cycle of a construction project. The standard contains the same high-level requirements as the 'UK BIM Framework' and is closely aligned with the current BS 1192 standard.

BIM models and libraries are available directly through Aluprof UK's website and available online in third-party libraries such as bimobject.com. Aluprof systems are also available through the UK's leading NBS Source system which many practices use as their trusted source of BIM data. Should assemblies be required which are not currently in a BIM library, Aluprof's BIM department creates the model to suit the application for the specifier.

How does this work in practice?

Aluprof creates libraries in five software formats: Autodesk AutoCAD®, Autodesk Revit®, Autodesk 3DS max®, Archicad®, Sketchup®. A special feature of the models is their interoperability and compatibility between different programs. All models are based on real parameters and technical drawings of the physical product.

The ISO 19650 standard provides a consistent way of presenting and classifying data, including the naming of files, folders and libraries. This is a major benefit when updating libraries, where folders with standardised naming can be easily overwritten instead of manually added, or when duties are taken over by another person unfamiliar with the contents of libraries. Standardisation makes it easier to navigate and manage files.

Katarzyna Aleksandrowicz, BIM Modelling Specialist at Aluprof states that "A key element when creating the Aluprof product libraries is defining a set of parameters that will accompany each model. We strive to offer the best usability of our libraries in every aspect of the project including construction, planning and facility management. This is made possible by standardised sets of parameters, some of which are filled in during modelling and some of which remain to be completed by the designer. These include technical parameters, visibility parameters, COBie, IFC parameters, together with, Uniclass, Omniclass, MasterFormat and UniFormat classifications."



Another strength of the Aluprof models is the defined levels of detail. Magdalena Plocica, Head of the BIM Technology Department says "We realise that an object that has rich geometry but a low level of information is not a valuable object from the point of view of BIM methodology. A non-geometric layer of the model is also needed. Any geometric, as well as non-geometric information, is an additional load on the model which is also important from the designer's point of view when working on a project, so here at Aluprof we try to optimise our solutions."

Aluprof provides additional material with their libraries that are helpful when using the models. The folder containing Aluprof models contains tutorials, as well as a welcome page explaining the contents of the folder without having to open the files individually. The tutorial shows the most important information about using the models and their functionality. Specifiers wishing to learn more about the libraries can attend training courses organised by Aluprof's BIM Technology Department, during which the product BIM libraries are discussed in detail. Aluprof pride themselves as being an architects' 'trusted advisor' at the very start of any project that may use aluminium windows, doors and facade systems. Involving Aluprof early will ensure that the correct system is chosen for the correct application ensuring cost efficiency later down the design process.

BIM objects for each of our systems can easily be downloaded from our website following a simple registration process.

Since setting up the Aluprof Office at the Business Design Centre in London, the company has rapidly grown their specification influence in the UK with their high-performance architectural aluminium systems. Further expansion of the company's headquarters in Altrincham now provides specifiers with meeting facilities and an extensive showroom of commercial systems to view.

Further information is available on the company's website at www.aluprof.co.uk or direct from their UK head office in Altrincham on 0161 941 4005.





Wojciech Brozyna - Aluprof UK Managing Director

Can Aluprof provide bespoke BIM object production and integration service for architects and specifiers if Aluprof systems are to be specified in projects?

Katarzyna goes on "Yes, we provide bespoke BIM object production and integration service. At the request of architects, we create models of individual system solutions or provide assistance in their design work. If required, we can generate schedules for facades, windows and doors. We also export models in IFC format, which can be opened in free browsers. In this way, customers can easily and quickly check the most important parameters, measure the object or simply view it in 3D."

ALUPROF
ALUMINIUM SYSTEMS

Shire strengthens service offering with ground improvement technique



Let's take a look at Shire where innovation and product development has turned them into one of the country's most unique construction companies.

Innovation

Innovation is the key to Shire's success, says group Managing Director Simon Crook. They now have nine patents within the group with one more "pending". He expects their latest service, resin injection, to build on the success of their other products and help drive the company's expansion over the next few years. If you have weak ground or sunken slabs, resin injection can save time, money and disruption. Specially developed geotechnical polymers are injected into the ground at high pressure where they expand, compacting the soil and lifting structures back to level. This is a very exciting development, allowing us to improve the support to structures with minimal disruption, says Simon.

The Beginning

The Civil and Structural Engineering department at Shire was formed in 1988 to provide a more proactive and innovative response to that offered by many traditional engineering practices. Early projects included a cable suspended footbridge and the computer analysis of the roof structure to halls at the NEC.







Shire has been recognized with awards for both design and innovation. Awards for building design include the 2010 RIBA Architecture Award for the Zero Carbon House in Birmingham, the 2013 RIBA West Midlands Award for the Michael Baker Boathouse, King's School, 2013 RIBA North East Award for Yarm School Auditorium and the 2013 RIBA West Midlands Award for St George's Primary School.

A specialist telecommunication infrastructure team to service the booming telecommunication market was the next addition to Shire. As well as working for all the major operators in the UK, Shire helped design EE's networks in Switzerland and Sweden. Shire also had the honour of being appointed to design the telecommunications hub for the City of London stadium at the 2012 Olympics.

Shire established their own in-house geotechnical division in 1997. Initially this team only provided services for Shire's consulting and telecommunication teams. The geotechnical team quickly expanded, however, and now provide support to other consultants, building insurers, local authorities and housing associations. The services offered include soil strength assessments, ground contamination analysis, subsidence investigations, tree root analysis, drainage surveys and soakaway testing.

Product Development

In 2004 Shire were approached by Halifax Insurance to develop a small pile that could be installed with handheld equipment to help remedy subsidence of domestic property. A steel helical pile, a method of installation and a completely new design procedure were all established with Halifax Insurance, estimating the product saves building insurers up to £3 million a year. The Shire pile is patent protected and was shortlisted for the prestigious Ground Engineering Innovation award.

In 2007 Shire developed the QuickBase Foundation System. This was a revolutionary new foundation partly built using recycled plastic. Prefabricated components can be carried through or around a property and allow foundations to be built quickly and accurately. The QuickBase product won a gold award from the Fenestration Industry and also won Best Exterior Product at the Interbuild Show. QuickBase has featured in a number of episodes of the tv series DIY SOS where it received praise when the full foundation and ground floor for a building extension was completed in less than a day.

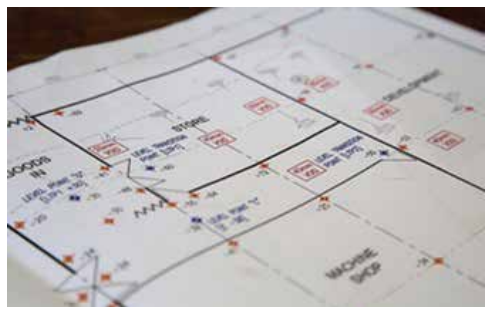
A patent has just been granted for the Shire RootBase. This is a concrete free foundation that can be installed using hand-held equipment, without the need for the specialist skills necessary to install piles. RootBase was selected for a school extension in Bolton as it gave both cost and time savings compared with traditional construction. It was recently shortlisted for a Big Think Innovation Award at Futurebuild.

Subsidence Services

Because of Shire's Engineering expertise and product development, they were asked by a number of UK insurers to help with the structural support of subsidence damaged property. They were the first company to offer insurers the combined service of inspection, investigation, reporting and repair. This minimises the disruption to homeowners and saves insurers both time and money. Shire developed a reputation in the insurance industry for high quality work and the ability to "think outside the box". In 2010 they were presented with the Lloyds Banking Group Supplier of the Year Award.

The new resin injection service

Resin injection can be used to fill voids, compact soils and lift slabs/structures back to level. Although not suitable for all soil types where the ground is suitable the results can be "spectacular", says Simon Crook. On a recent



project floor slabs had settled by up to 20mm due to a bed of loose hardcore below the slab. Resins were injected into this, filling the voids and the expansion of the resins lifted the floor back to level. All work was completed in less than a day. The Housing Association client was amazed at the speed of the work and confirmed that it had saved them thousands of pounds.

In another project, a building had been constructed on very loose granular material resulting in a slow settlement of the structure. Cracks were typically around 3-4mm in width and had been forming slowly throughout the life of the building. Resin was injected below the level of the foundation to consolidate and strengthen the soil, preventing further settlement taking place. A second injection was then undertaken below the foundation to lift the structure back to level and close the building cracks.

There are many causes of building movement, says Ron Mace Shire Technical Director and current chairman of the Subsidence Forum, and it's not surprising therefore that there is not one remediation solution that is best for all types of subsidence. This is where our technical expertise and the range of solutions offered by Shire wins over our competitors, says Ron. We can evaluate a problem and specify the most appropriate remediation scheme, this could be micro piling, conventional piling, traditional underpinning, root trench or resin injection. Some projects may need more than one solution and the last two complex remediation schemes evaluated by Shire included both piling and resin injection.

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

T +44 (0)1527 579933
www.shire-uk.com

Shire

Steel Construction Specialists

Clarke Construction Essex Limited (CCEL), based in Essex was founded in 2009 by owner David Marriott, and has since built up a wide portfolio of services and an excellent quality of service to all customers.

David commented, "while our work is mainly steel related structures and architectural projects, we do tend to diversify and we also work as the main contractor on some limited projects."

CCEL's wide range of products and services that are available to clients include bespoke design, creative roof design and complex structural & architectural structures. This diversity is possible because the company guarantee high end results in every project which it undertakes, David expanded "our association with structural engineers, draftsmen and specialist factories enable us to provide such diverse services. These range from design and construction of the steel structures through to design and production of bronze railings, stairs and balustrades."

CCEL site team are specialists in heavy and contract lifting, as well as rigging and the erection of steel structures. The company offers a full construction service as a one stop, and this adaptability has enabled it to add further services to the selection of facilities in which it now specialises. These include steel sculptures, architectural metalworks, and glass systems.

In 2014 & again in 2021 CCEL were employed to handle high value specialist equipment into an existing building, this project required the company to design and install a high weight bearing temporary scaffold loading platform, as well as removing, then replacing external cladding before moving the equipment into the building. This project required logistic coordination and detailed lifting plans in advance, and CCEL successfully facilitated coordinated transport & handling of the equipment, geometric scanning of existing structure to integrate new designed support steel and services.

In September 2012, CCEL undertook one of its most rewarding projects when the company was involved in a venture which gave for the first time electricity and water to a village in Kenya. The village of 3000 people were without both, when two trucks from the UK arrived, and seven days later the lights came on. CCEL remember this event as, "an enormously satisfying moment for the whole team."





An unusual roof design brought a number of challenges for the main contractor, CCEL were contracted, The roof made up of different coloured tiles on a curved and shaped panel, CCEL designed, built and installed the sub structure for Brighton College in 2015. This task required a full geometric survey of the preceding roof, to which the CCEL detailed and built the sub structure to support the prefabricated tiled sub frame assemblies. As part of the package CCEL designed and manufactured the lifting and handling equipment that allowed this specialist installation to be undertaken for the final roof structure.

CCEL are a company that specialises in diversity, therefore in 2015 it was called upon to facilitate the specialist removal of an important art work "Seizure" by the artist Roger Hiorns from a building in Elephant & Castle. The Art work had to be carefully removed from the inside of an dwelling building requiring strengthening the existing art work structure and then to move it onto a purpose on site constructed transport carriage before being lifted onto a lorry using a 220-tonne crane. It was then removed from its old home to its new home at the Yorkshire Sculpture Park.

Understandably CCEL take Health and Safety very seriously as the company undertakes high end projects with heavy machinery to the fore. CCEL has CHAS certification alongside the necessary accreditation to the requirements of the CDM regulations. This means that clients can engage with the company knowing that the Health and Safety of both customers and the workforce is paramount to the organisation.



CCEL has received many positive reviews from previous clients whose comments include, "I cannot rate Clarke Construction enough, they are professional and go the extra mile," as well as "thank you so much for your work, it was very reassuring to see the work done so well by a company that knew exactly what it was doing!" Proud to class the end client as its target audience rather than just only builders - this statement justifies the work that it is doing and proves the high quality of customer relationships that have been built.

For further information:

T 01375 360605
office@ccel.org.uk
www.ccel.org.uk









Cool Kampus project Minto & Turner Building cottons on to timber windows and doors

Part of the Kampus Project to regenerate Manchester's Canal Street and surrounding areas, the Minto & Turner building, a former cotton warehouse, is a well- known local landmark situated on the Rochdale canal in the centre of the city.
A red brick Grade II listed warehouse building, it is an award winning scheme converted under the watchful eye of ShedKM Architects into trendy apartments by Mount Anvil on behalf of Capital & Centric and Henry Boot Developments.

This instagrammers' paradise has a real contemporary feel that manages to retain its past strong heritage whilst making it suitable for today's modern lifestyle. Inside is exposed brickwork and cast iron columns with large open cloister living areas providing dual aspect views through the George Barnsdale black/grey timber casement windows. Outside, cast iron fire escapes and hoists have been restored and retained. The building also features matching smaller square pivot windows which have flush fitting hinges providing 180 degree rotation, allowing the easy cleaning of the external glass and frame to be cleaned from inside, making the window particularly suited to buildings like this one. With multipoint locking distributed around the frame, security is excellent. They are extremely robust, Barnsdale's pivot windows can support a range of shapes and sizes where it is possible to have a single sash measuring up to 23 X2.2m and weighing up to 200kg.

Steve Dixon, Director at George Barnsdale said "Being bespoke with high levels of customisation, our pivot windows are ideal for projects with irregular shapes like Minto & Turner."

Contemporary style timber doors in matching grey/black (RAL 7021) were also supplied providing residents with great views and access to the street scene and canalside bars below. Having worked with George Barnsdale on its Nottingham Axis project, a conversion of the old Co-operative building, Henry Boot Development was no stranger to the Lincolnshire joinery manufacturer high performance timber fenestration in the UK.

A mix of timber flush casement windows, pivot windows and timber doorsets were designed to incorporate high acoustic and thermal performance to ensure the perfect living conditions inside the building. Part of the aesthetic on the canal side elevation includes the use of louvres for privacy and to maintain the industrial feel. These were designed and manufactured at George Barnsdale's Lincolnshire site where all their products are manufactured.

There is also some nice arched work at the courtyard end of the building with a large door opening out onto the bars and cafes adjacent.

In addition to the manufacture of the bespoke timber windows, doors and louvres, George Barnsdale also provided ongoing site surveying and project management as well as full installation using interface drawings to ensure the perfect fit, taking into account the wonky openings typical of a project like this.

GEORGE BARNSDALE
Est. 1884







The Kampus (Mount Anvil)

For more information, see below:
www.georgebarnsdale.co.uk



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Big moves ahead states Kelly Tanks



Kelly Tanks supplies innovative and cost-effective concrete washout and water treatment solutions to treat and recycle wet waste from construction. With a strong focus on simplicity and ease-of-use, Kelly Tanks is committed to developing solutions that solve real-life on-site problems.

Its well-established CWS Concrete Washout is the product of choice for washing off concrete wagons and equipment. Kelly Tanks also offers a range of Water Treatment tanks and systems for filtration and separation. Following the success and increased demand of its equipment, Kelly Tanks consistently releases new products each year to help ensure safe and compliant waste treatment on building sites across the UK and overseas.

This year has been an exciting year for Kelly Tanks, becoming the UK's distributor for the most efficient drum washout system, DrumBlaster. Kelly Tanks Product Co-ordinator, Georgia explains, "DrumBlaster cleans the insides of your mixer drum on a daily basis, eliminating the need for you to climb inside and chip away at hardened concrete. By using several water jets located on the end of an extendable boom, the system reduces hardened build up".

As the world makes its slow return to normality, post the COVID-19 pandemic, the reopening of trade shows is taking centre stage for many companies. Excited to see this return, Kelly Tanks will be exhibiting at the Contamination Expo on the 22nd and 23rd of September at the NEC, Birmingham, stand number 4-M20. Director, Kelly explained, "This year we are proud to be sponsors of the show and are looking forward to the opportunity to once again showcase our Concrete Washout and Water Treatment systems as well as our latest innovations in remote monitoring and renewable energy".

The team at Kelly Tanks can't wait to get back into the show environment and with big plans for this year's show as the 2021 entrance and registration sponsors, you can expect to see their name at the door!

In terms of future plans, Kelly Tanks shows no signs of slowing down and is looking forward to continuing to grow their team, fleet and product range. Director, Mark confirms, "We only plan on expanding further. Look out because we are making big moves! We cannot wait to get stuck in and we hope that everyone has a fabulous first show back!"

For more information, please see below.

Contact
T 01889 508944
www.kellytanks.co.uk



Eco Clipper FM4 Sport for sporting grounds



Eco Clipper, known for electric mowers for the turf industry, has introduced a special version for the maintenance of sports and recreational grounds. The 4.11m wide front mower features four independent cutting decks. For the FM4 Sport, the side decks can be folded in independently, allowing for narrow passages to be mowed.

The smooth decks with fast rotating small blades ensure a high quality cut and good clippings dispersion. The clippings are also spread well in wet grass. This makes it possible to schedule this mower almost independently of the weather.

The Eco Clipper mowers are further distinguished by the high possible mowing speed. This means that on average a sports field can be mowed in less than fifteen minutes with an Eco Clipper FM4 Sport.

To operate the mower a 40 HP tractor is already sufficient. The electricity to drive the mower is generated by a PTO driven generator. For larger tractors, the generator can be fitted on the front mower. For smaller tractors and optimized weight balance Eco Clipper offers a separate generator unit for behind the tractor.

Contact

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Refunds from your energy suppliers can help cash flow & make your business carbon neutral

Axiom Utilities Ltd is an established UK energy & environmental consultancy. Axiom offers a full range of services including:

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We are the UK's leading provider of historic billing audits that has resulted in £ millions in refunds to our clients that include Ministry of Justice, Barclays, Honda, Bourne Leisure, Toys R Us, NHS Hospitals, Councils, Universities among many others.

Your business will be facing unprecedented challenges from the rising cost of energy and the Corporate Social Responsibility of decarbonising and reducing your organisations Carbon footprint.

Our approach is to tailor services to our client's needs; however, the most common approach follows this simple step plan:

1. Supplier Invoice Audit – this ensures that all historic costs are checked and refunds are delivered back to your organisation to either assist with cash flow or invest into energy reduction projects and quantify your carbon footprint.
2. Identify ways to reduce consumption and cost
3. Create a strategy to enable your organisation to become carbon neutral.

For information contact:
consultancy@axiomutilities.com

AXIOM



AXIOM

CARBON NEUTRAL IN ACCORDANCE WITH PAS2060 ORGANISATION

Axiom Utilities appointed to provide Carbon Neutrality for Go Ape!

Axiom Utilities Ltd exhibited at the Holiday Park & Resort Innovation Expo 2021.

We focused on two services at the show:

- Helping organisations reduce their carbon footprint and becoming Carbon Neutral.
- Providing refunds from energy suppliers through auditing historic bills

Go Ape visited Axioms' stand at the expo, enquiring about Carbon Neutrality. Following the event Axiom were appointed to provide our Net Zero service. Axiom uses the PAS2060 accreditation providing long term commitment to carbon reduction with ethical offsetting.

Claire Schofield, Head of People, at Go Ape advised "We selected Axiom to deliver our Carbon Neutral status following their genuine and uncluttered approach".

Go Ape now fully understand their carbon footprint including Scope 1, 2 and 3 emissions and have annual targets to reduce their carbon footprint and a strategic plan to meet these targets. Go Ape! is an outdoor adventure company which runs tree top ropes courses at locations across the UK. The sites are in some of the UK's most valuable and beautiful environments, ensuring their presence has the lowest possible impact. Axiom utilities provide a full range of energy, environmental and carbon management solutions ranging from carbon foot-printing, energy reduction through to energy procurement.

If your organisation wants to become Carbon Neutral email us at: consultancy@axiomutilities.com



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For all timber frame styles, MAC Cabins works with self-build and custom-build projects, where the initial design has already been completed with architects. We help to guide small to medium-sized developers, on sites of 1-30 plots, to identify the best way to convert vision into reality.

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Keep your property and possessions safe and secure





It sadly remains the case that theft and break-ins to property remains all too frequent and a key issue for all.

If anything, the stats show that, in some areas, crime rates have materially increased in the last couple of years. Residential properties and business addresses remaining frequent targets.

The growth around second homes, including lodges, park homes and caravans, has influenced these rates. There are also reports that a downside to the rise in staycationing has also been an increase in crime statics.

The impacts here go beyond the obvious distress caused to financial losses, as well as reputational damage for businesses as well as the increasing costs of insurance faced by all parts of the chain.

As a result, property owners and occupiers are taking steps to combat theft and damage by making it harder for theft or damage to occur.
Specialist security businesses are also leading the fight.

One such business is Securian Industries. Securian designs and manufacturers a range of easy to use door security devices. This is not the usual locks and chains. No, Securian's products are discrete door handle bars and door stops that keep a door protected whilst also being fast to install, fast to deploy and stylish.

Greg Allsopp, a director at Securian Industries explains more. "The business as a whole grew out of the rising rates of theft and criminal damage seen in the midst of 2020's lockdown. Properties of our own were affected too. We therefore set out to provide a range of cost-effective and simple products that help to mitigate these risks. All of our products have been designed to be installed in minutes, deployed to work in seconds and not require padlocks or keys that can be easily lost or can be difficult for some to use. It was also important that our products were attractive – there are plenty of industrial looking solutions out there but these do not necessarily fit with the decorative or lifestyle looks our customers are aiming for. Our products are therefore discrete, stylish as well as working beautifully too."

The range includes double/patio and single door bars that lock in place to prevent handles and locks being broken, and slide or drop in place door stops that can withstand significant forces to deter even a determined burglar.

Mr Allsopp commented, "Our products are being bought by home owners, business occupiers, leisure providers, care home operators and schools amongst a wider range of sectors. This just goes to show that keeping our property and possessions safe is an issue for everybody. Along with our stockists and distributors, we are pleased to be able to give customers a cheap and effective route to mitigating the risks from theft and break-in."

Securian Industries reports that it's actively seeking stocklists and distributors around the UK and Ireland with a network of stockists growing all the time and with increasing numbers of its products available for customers.

T 0330 333 7279
info@securian.store
www.securian.store

Direct Hoist goes green

Direct Hoist specialises in hire and sales of construction hoists, and is leading the field in environment awareness.

Environmental awareness isn't something you'd normally associate with the construction sector. Indeed, it's reckoned that a third of the UK's entire carbon emissions comes from the built environment.

So it's vital that the industry creates and maintains a sustainable outline for the future. Direct Hoist, an ever-expanding construction hoist hire and sales specialist, is rising to the top in going green. Company founder Rob Wilson says, "Direct Hoist is moving forward with demands for companies to decrease their carbon footprint down to zero emissions."

Rob's approach is to take a fresh look at Direct Hoist's operations with an environmental eye. The basics were covered easily: long-life, low-energy LED lighting was fitted to the firm's premises to replace inefficient equipment; recycling is rigorously monitored and separated to minimise general waste; scrap materials are weighed in.

Direct Hoist has slashed stationery usage, implementing paper-free hand-overs via phone apps, and is rapidly moving towards paperless offices. Sustainability passes down the chain, so Direct Hoist favours suppliers that are either local (to cut transportation) or offer green credentials.

Direct Hoist runs its fleet of diesel-powered vans on HVO (hydrotreated vegetable oil) fuel, which is 100% renewable. The firm's switch away from fossil fuels includes a hire fleet of generators that will run on HVO when powering hoists on sites without connection to mains electricity.

Of course, Direct Hoist has for years supplied electrically-powered construction hoists instead of old-fashioned engine-driven devices. Rob says, "They use a 110-, 240- or 415-volt supply, depending on the lifting capacity and size of the hoist platform required, so there are no carbon (CO_2), nitrogen oxide (NO_x) or carbon monoxide (CO) emissions here."

Direct Hoist is also investing in lithium-ion battery-powered lifts, which can carry 120kg up to heights of 10m, controlled wirelessly by a smart-phone app. They're ideal for transportation and installation of solar panels.

Most importantly, the inclusion of a hoist on any construction site has an added environmental benefit due to its manpower-saving efficiency. Construction hoists dramatically reduce project timescales – the speed and ability of a lifting platform to take tools and materials up multiple storeys can knock weeks off a large scheme – thereby minimising workers' journeys to and from site.

Rob says, "Direct Hoist is committed to going green, and we're taking a direct route towards sustainability."

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Service Sealing Solutions Ltd sponsors this issue of BCR UK: see them on page 04

How can householders cut their bills by investing in various forms of insulation around their houses?



Sara Allen MRICS, development director, Allen Property Consultants (Scotland) Ltd says:

Extra loft insulation: Reduces heat loss which keeps your house warmer without additional heating.
Cavity wall insulation: provides a warm internal barrier for the house from the cold. It stops the heat escaping from the property.
Floor insulation: adding a good layer of underlay under your laminate flooring, wooden floors or carpet will trap in heat helping to keep the room warm.
Low-flow flush toilets and eco taps: can be a big overall saving on your water bill.

Many of these cost saving ideas are very cheap to purchase/install and will definitely be worth it when considering your overall costs and usage.
Allen Property Consultants Ltd is a reputable family-run consultancy. We cover a wide spectrum of property services for both commercial and residential properties including RICS building surveys, valuations, strategic real estate management and healthcare property consultancy. Sara Allen MRICS has been a qualified surveyor for over 30 years and with a great team behind her, is able to deliver exceptional expert advice for any property investment.

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Formed in 1964, RG Wilbrey (Consultants) Limited are the longest established, privately owned Health and Safety Consultancy in the United Kingdom.

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Our training courses are accredited with several industry leading bodies, namely CITB, IOSH, NEBOSH, MHFA England, Qualsafe, UKATA and Highfield. Developed to meet the challenges of today's construction industry, the style of training we provide strives to change negative connotations of health and safety. We are a teaching, facilitation and coaching provider who specialise in Health, Well-being and Safety. We believe full heartedly in the correlation between physical and mental health to strive to support our clients with a toolbox to proactively monitor health in the workplace, encourage breaking down stigma and prepare people to manage crisis situations.

Our site services team provide Health and Safety inspections as a crucial part of a positive Health & Safety management system allowing you to check that your workplace is maintaining a safe environment and employees are following the correct procedures. Inspections can help towards preventing accidents and incidents and ill health.

Our Technical department can provide you with a suite of generic business-related Risk Assessments, Method Statements and COSHH Assessments or alternatively can assist in developing bespoke site-specific documentation.

In our 58th year of business, we have recently rebranded and launched our new website complete with online booking feature for all open courses. Our 2023 course dates will be going live shortly, take a look at the upcoming course section on our website: www.rgwilbrey.uk.com to book your space.

Alternatively, if you require a course date that isn't listed, you can contact us on: 01902 420920 opt 3 to discuss your requirements.

Humidity Solutions is the leading independent specialist in humidity control

Humidity Solutions a leading independent specialist in humidity control, offering a range of humidifiers and dehumidifiers from the world's leading manufacturers. "We have a highly experienced and knowledgeable team of sales and aftersales engineers who can design a bespoke solution for each unique application and supply, install and maintain the equipment throughout its life. This end-to-end solution enables us to offer unbiased advice, streamlining the process to help customers to protect their greatest assets: be that people or equipment – or both," said John Barker, Managing Director.

Established in 2008, in response to the markets need for a dedicated specialist in humidity control, Humidity Solutions vast became an independent leader in its field, providing innovative solutions for a wide range of industrial and commercial applications. Humidity Solutions has a UK wide coverage for all maintenance, installation and service requests.

The considerable technical knowledge, expertise and experience within the team, allows Humidity Solutions to provide a full turnkey service, from design and installation, through to commissioning and ongoing maintenance.

Correct humidity levels also have a direct impact on health and wellbeing and is crucial to many industrial and commercial processes such as medical research, data management, and packaging. Furthermore, it plays a vital role in the safe storage, display & protection of many consumer goods .Humidity Solutions has a strategy to minimise its environmental impact by offering alternative low energy solutions to the more traditional, high energy usage equipment.

Ensuring each client has access to a personal service, Humidity Solutions can design a bespoke solution for each unique application such as industrial manufacturing, food and drink processing, hot yoga studios, classic car storage, print and packaging and many more. The benefits of these products provide a vital service boasting five-star reviews from previous customers such as Hot Yoga Studio, who commented, "Since the install, Hot Yoga has gone from strength to strength, and with the 'Vesuvius' now installed we have been able to offer a first-class hot yoga experience to our clients."

Moving forward we asked John what their plans for the future are, he answered, "This year, we have big plans for growth, ensuring that we can help as many new and existing customers with their humidity control problems as we can, while maintaining our high levels of customer service. Expertise and exceptional service is what makes us a trusted and reliable partner for all humidity control projects. We've put all the foundations in place, hiring more personnel in head office and across the UK to be able to deliver full UK coverage, free site surveys and fast delivery of all new units and spares."

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

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

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

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

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

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

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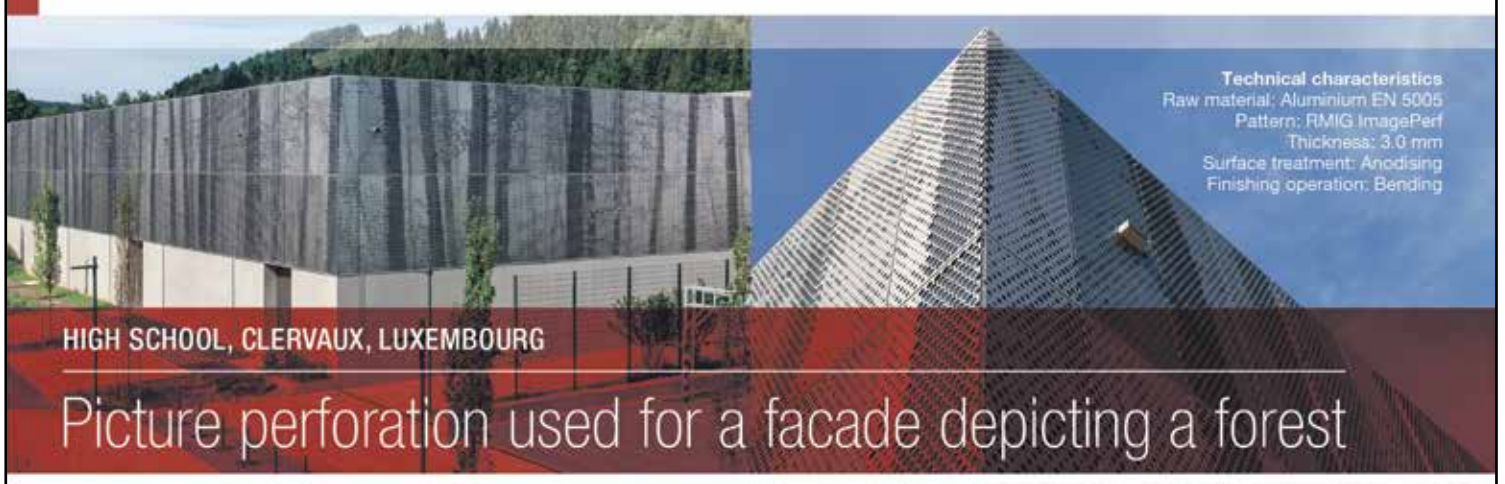

HIGH SCHOOL, CLERVAUX, LUXEMBOURG

Picture perforation used for a facade depicting a forest

L'École Internationale Edward Steichen is a high school in Clervaux, Luxembourg, with room for 650 students. Jonas Architectes Associés won the assignment for construction and devised not only a plan for the buildings, but also an idea for decorative facades and sun protection. RMIG ImagePerf made it possible to realise their vision.

As the school is more or less surrounded by woodland on all sides, a striking photo of a spring forest from a nature park in the Ardennes was chosen as the template for the facade image. Using perforation in various hole sizes, the beautiful image of the forest was transferred on to metal sheets.

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Werner reaches new heights with the launch of LEANSAFE® X3

Werner is delighted to announce a new addition to its successful combi-ladder family with the launch of the fully integrated Werner LEANSAFE® X3, the most flexible 3-in-1 ladder range yet.

This professional ladder features a single-handed unlocking system that allows users to seamlessly change from a step to a straight ladder in one easy adjustment. It has also been uniquely designed with a multi-mode top, providing a solution for all leaning modes, enabling the ladder to be securely used against flat wall surfaces, external and internal corners, poles, and wall studs as well as having the ability to perform as a standard stepladder or extension ladder.

Gurjeev Bola, UK Product Manager at Werner, said: "We're delighted to be able to announce the launch of the new Werner LEANSAFE® X3. It's uniquely placed to be able to offer professionals a solution for a multitude of jobs, meaning that they only need to store and transport one ladder, instead of three.

"Not only is it easy to transition from a step to an extension ladder, it's also designed to be used as a leaning ladder, which makes it the perfect bit of kit, whether you're a one man band, or working on a large construction site."

The leaning top allows for faster set up and in addition to providing a drill clip slot, it also offers users a power drill slot in the center, making for easy access of power drills. The integrated tool bin and magnet offer additional storage of tools and equipment, reducing the need to journey up and down the ladder, minimising the risk of trips and falls.

EN131 certified, the LEANSAFE® ladder is available in high-grade aluminium or robust high-grade fibreglass, weighing in at 9.5kg and 11.5kg respectively, offering a lightweight, multi-purpose solution to working at height.
he LEANSAFE® ladder provides a maximum working height of 3.13m in stepladder mode, 2.85m in leaning mode and 3.7m as an extension ladder and offers a maximum load capacity of 150kg.

Its highly visible LEANSAFE® logos make this ladder easily distinguishable from a standard stepladder to avoid any confusion on a job site. EDGE360® bracing provides protection for the bottom of the ladder from every angle and non-marring rubber foot pads protect work
surfaces.

The Werner LEANSAFE® X3 ladder is now available nationally. To findout more visit: www.wernerco.co.uk











Werner warns industry to be vigilant over telescopic ladder imports

Following a recent study by the East of England Trading Standards Association (EETSA) and the Ladder Association about the safety of some telescopic ladders on the market, Werner is urging companies to only purchase from reputable manufacturers.

The research into commercially available telescopic ladders found that 80% of ladders tested failed to meet minimum safety requirements, with half of those tested being marked and sold as compliant in a deliberate attempt to mislead consumers.

Recently, the marketplace has seen an influx of unsafe equipment that fails to comply with British and European safety standards. Often, these items have not been rigorously tested to ensure they are up to the job, and as a result, some retailers have been forced to withdraw stock from sale.

When choosing a telescopic ladder it is important to check that it complies with European Standards, that way users can be sure that the ladder has been tested to the recommended standard and is safe to use. If users are unsure whether a ladder is compliant it is recommended to ask the supplier for a copy of the certificate of compliance with the standard issued by an accredited test body (such as BSI or TUV).

Gurjeev Bola, UK Product Manager for Werner, comments: "Telescopic ladders are the ideal product for tradesmen on the move and who may not require the use of ladders every day. The benefits of these types of ladders are they are lightweight and easy transport, perfect for those with limited storage space.

"Although they are compact when collapsed, good quality telescopic ladders, such as a Werner Telescopic Soft Close Extension Ladder, are extremely solid in operation and suitable for trade use."

To help when choosing a telescopic ladder, The Ladder Association has produced a handy safety guide for users of telescopic ladders. The report includes guidance such as making sure users are buying safe ladders that meet the European product standard for ladders, EN 131. The guide also provides advice on good practice for using a telescopic ladder to work at height and finally, explains how to care for and correctly store telescopic ladders to ensure they remain in good condition.

The Werner Telescopic Soft Close Extension Ladder fully complies with EN131-6 and features smooth retraction and prevents finger trapping. With safety in mind, the colour-coded lock indicators make it easier than ever for users to see when the ladder is set up correctly, whilst the automatic locking mechanism provides extra security when in use.

Gurjeev added: "While it's crucial to purchase high quality telescopic ladders, there are additional ways to protect yourself when working at height. Telescopic ladders have more moveable parts than ordinary ladders so it's vital to carry out pre-checks and undertake
more rigorous inspections before carrying out any work.
By ensuring none of the elements have been damaged in storage or transit it can go some way to safeguard yourself during use."

Werner has always been committed to ensuring work at height safety remains a priority on site and as part of this it has launched Stepping up to Ladder Safety, a new ladder safety campaign to help professionals stay safe in the workplace.

**To find out more about Werner and its comprehensive range of ladders visit:
www.wernerco.com/uk/ladder-safety**

DK Tools extend Amtech reach into builders merchants

DK Tools Limited is a family-owned company which was established in 1986, from humble beginnings. The business started out selling tools from a market stall in North West London and now they manufacture and distribute both hand tools and power tools under the Amtech brand.

For over thirty years, DK Tools have maintained their core family values and have built the business on a foundation of exceptional customer service and their 5-star Trustpilot reviews are certainly testament to that level of integrity.

Ishan Kalra, Director at DK Tools commented: "My father has built and maintained strong working relationships with key customers across Wholesale, Cash and Carry and Retail over the years and our product portfolio now spans 2000+ tools for the home, garage, and garden. My objective is to continue with this legacy of adding value where it matters for all our trade customers".

Trade customers really value the ease of ordering Amtech stock, either via their award-winning dktools.com website or even via WhatsApp for next day delivery!

The Amtech DIY brand has also grown significantly across Independent Retail and consumers really value the free end-user support that is provided at amtechdiy.com. Furthermore, and as the cost-of-living crisis settles in, the Amtech brand also now appears to be resonating with Builders Merchants, as both Buyers and Tradespeople begin to source more value for money, whilst still maintaining good tool quality.

You can become an Amtech stockist or register for a trade account at dktools.com.

For more information:
T 01895 435556
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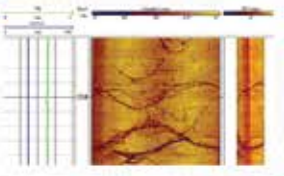

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Adveco AD wall-mounted water heating for commercial properties

The AD range of high-efficiency wall-mounted condensing gas-fired water heaters from hot water specialists Adveco is designed to provide a compact, high capacity and reliable method for delivering instantaneous hot water to a building.

For property renovation where space is at a premium or when existing gas appliances need modernising, the AD wall-mounted range delivers highly efficient operation in a compact form factor. With an efficient pre-mix burner and ultra-low NO_x (16-29 mg/kWh) and CO (11-19 ppm) emissions, the AD range is an eco-friendly way to serve a domestic hot water. The patented titanium-stabilised stainless-steel construction of the heat exchanger provides exceptional construction strength and corrosion resistance, making AD the perfect response to counter the concerns of corrosion in soft, or softened water applications.

AD wall-mounted is a range of 'A' class energy efficient water heaters available in three rated heat outputs, 27 kW (AD16), 33 kW (AD22) and 61 kW (AD37). When combined with a water cylinder, AD wall-mounted helps meet peak withdrawals without increasing the water heater power. AD wall-mounted can also integrate with solar thermal systems to supply top-up heating when solar radiation during winter months is not enough to guarantee the required temperature for DHW demands.

For more information:
www.adveco.co





TuffStuff® flexible GRP – One resin, endless possibilities

With over 30 years' experience behind them, Tuff Waterproofing Ltd has grown year-on-year to become a key figure in the GRP flat roof market. Its product range is now utilised across multiple domestic and commercial environments, and the company's dedicated team of UK based product developers work on a daily basis with its UK manufacturing facilities to push the boundaries of GRP roofing systems to new levels. Sustainability is their goal and every effort is being made to produce and develop greener products.



Tuff Waterproofing has further expanded its TuffStuff® product range and is now offering its latest GRP roofing innovation; TuffStuff® flexible GRP. Traditionally, GRP waterproofing products are applied to timber substrates and will not need primers as long as the timber surface is dry and clean. However, TuffStuff® Flexible GRP can be applied to some plastics if the surface is abraded to give a 'key' i.e. rainwater goods. Other materials that TuffStuff® Flexible GRP will bond to with a primer applied, include felt, asphalt, GRP, concrete, and some metals.

Requiring only two coats and a 225gsm reinforcing mat, it can be applied within two hours. The TuffStuff® Flexible GRP forms a highly flexible, extra tough and seamless waterproof membrane, making it an ideal solution for areas of heavy-duty foot traffic. Its highly flexible, extra tough and seamless waterproof membrane makes it reliable when added to vertical sections without the concern of sagging. Furthermore, the solution is a fast-curing system with walk on time of between 30-60 minutes. Once laid and whilst curing, the product is showerproof.

This last point is central to the product's success, as with standard GRP, a shower during installation causes problems for contractors and GRP generally will need to be re-applied. However with flexible GRP, when contractors return following the rain, they just clean the water off the roof, give it a light acetone wipe, and then carry on with the job.

TuffStuff® Flexible GRP also uses granule hardener rather than liquid catalyst which means safer and easier use. TuffStuff Flexible GRP saves time and money as contractors can overlay a roof rather than stripping it back and replacing. Because it is crack resistant with no risk of weak points, it can also accommodate heavy footfall without leading to any problems further down the line.

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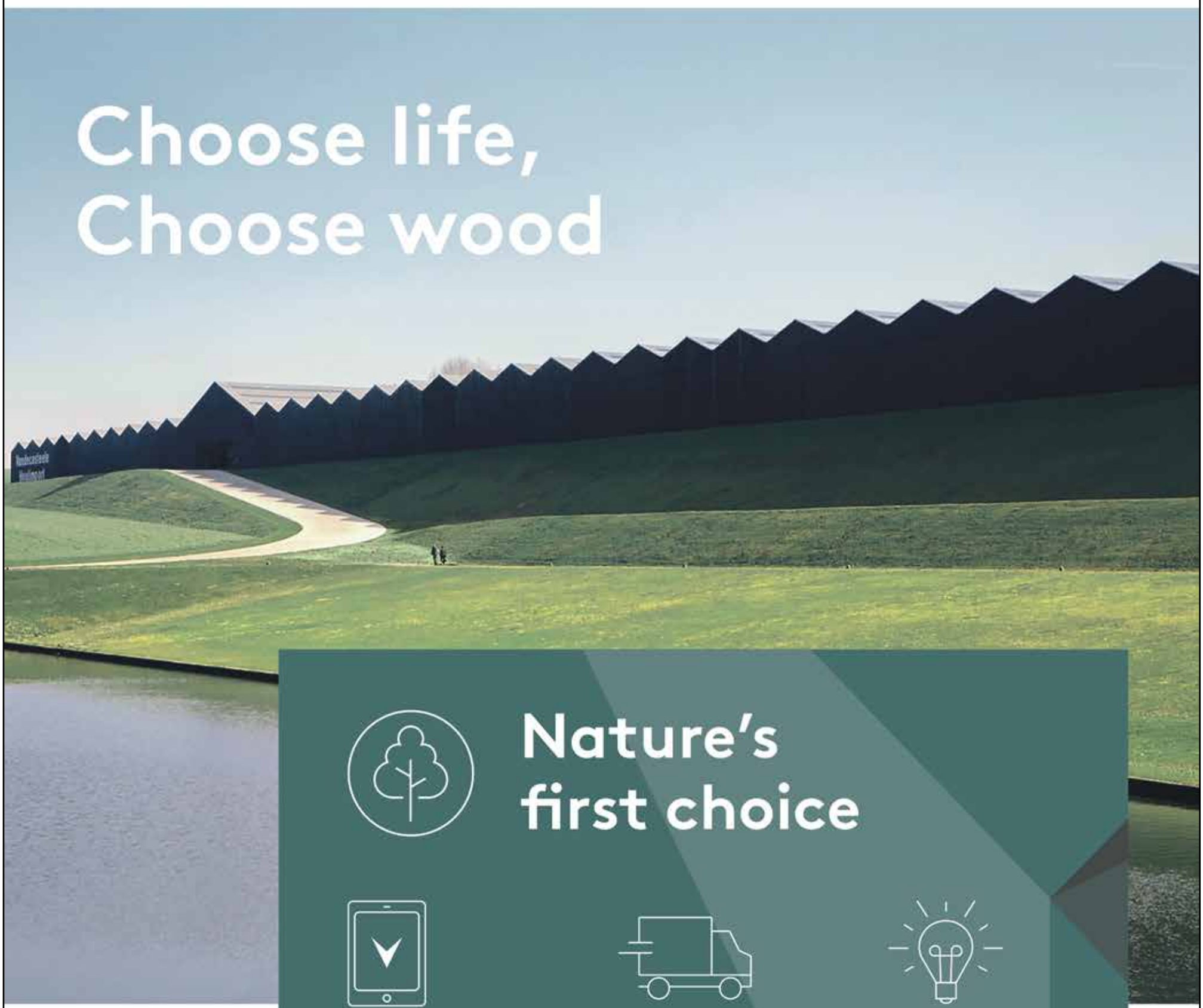

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‘Must have’ new timber decking resource

The Timber Decking and Cladding Association (TDCA) in collaboration with the Timber Trade Federation (TTF) have jointly published a new resource – the Timber Decking Handbook. Produced with support from the Wood Protection Association (WPA) and Wood Campus, the Handbook is aimed at specifiers, buyers and installers of timber decking.

A go-to reference

The 52 page book provides clear, relevant and up to date information covering decking design, installation, material choice and UK building and planning regulations. The Handbook references the existing TRADA Timber Decking manual – the two documents will complement each other – the Handbook acting as a summarised and illustrative guidance with TRADA’s being more detailed and of particular interest to the architect and structural engineer.

Partnership Agreement

The Decking Handbook has been produced as part of the TDCA/TTF partnership agreement – and on the back of the publication of the Timber Cladding Handbook last year, will help strengthen the market for both timber cladding and decking.
Janet Sycamore – TDCA Director of Operations, commented:
"The new publication is crammed with useful information to help the reader create robust, fit for purpose decking. We hope it will prove to be a valuable resource for every one involved with timber decking".

This is all in addition to the TDCA’s existing work within the timber cladding and timber decking industries. The organisation operates the DeckMark and CladMark quality schemes, which verify the quality of the materials that have been approved, or the high standards of the installer that has been accredited.

Both the DeckMark and CladMark schemes require a full audit and assessment of the business in question, prior to any accreditation being awarded followed by annual surveillance audits thereafter.



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

The handbook will be freely available as a pdf download from the TDCA website at: www.tdca.org.uk/publications with printed versions costing £15 each including P&P.

Contact
T 01977 558147
www.tdca.org.uk
info@tdca.org.uk

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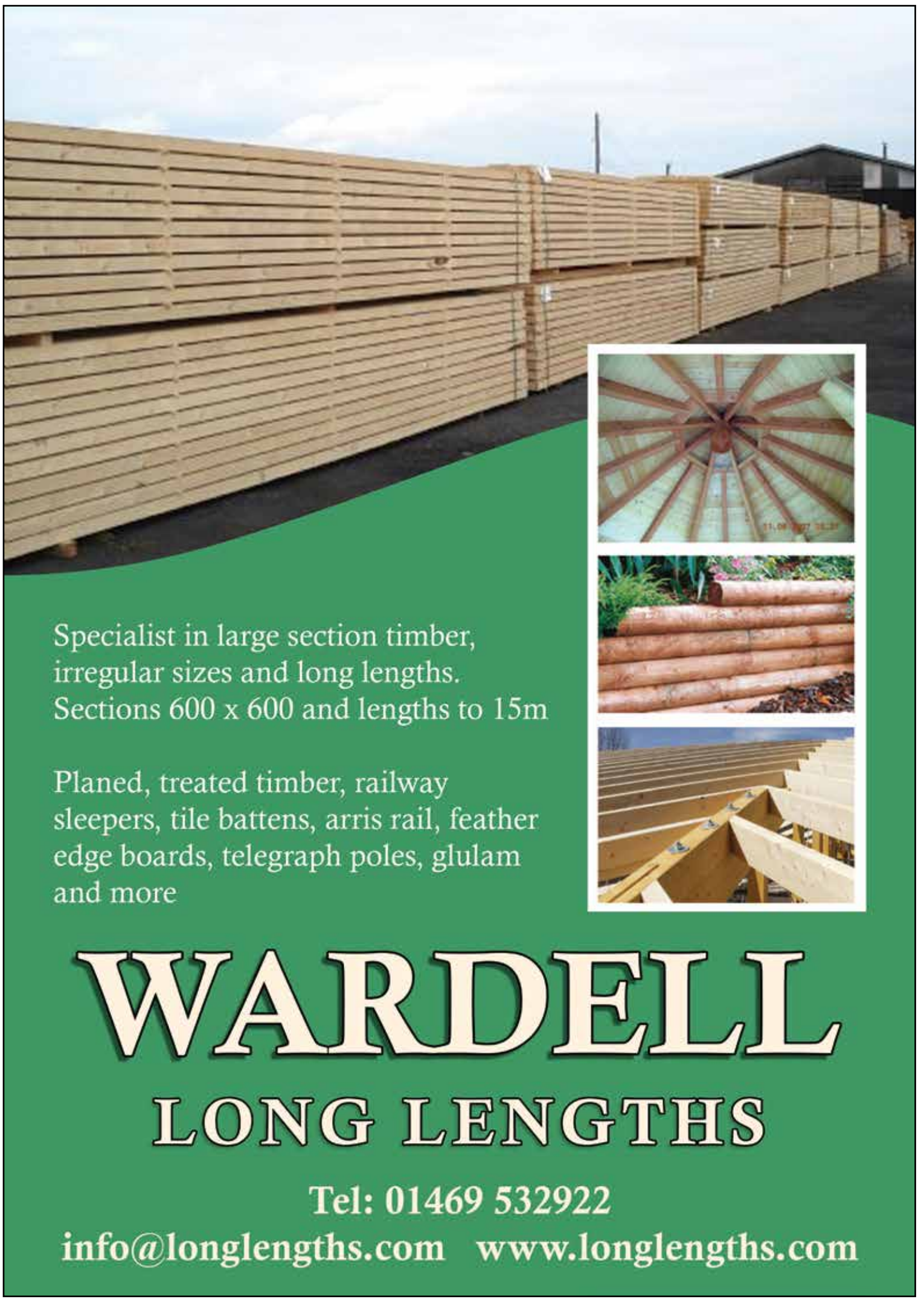

Timber frame suppliers and builders in Berkshire



Vision Development is a family run business that understands the importance of providing high quality homes for self-builders, builders & developers. Vision has their own manufacturing facility based in Beenham, Berkshire where they have a range of high quality, durable and sustainable materials for manufacturing their timber frame systems. Their timber frame factory is available to view, giving customers a better understanding of the timber frame construction process.

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’s timber frame systems also benefit from excellent thermal efficiency, considerably reducing energy bills and the requirements for additional heating systems.

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 that allows for more accurate budgeting.

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 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 clients: www.timber-frame-suppliers.co.uk


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The art of 'old school' joinery

Bluerun Limited
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Bluerun Ltd was established in 1991 by John Jones the current Managing Director and his wife Doreen, who remains the company's secretary. Highly regarded as one of the industry's finest high quality, bespoke joinery manufacturers, Bluerun Ltd has an impressive history to which it has remained at the forefront of the industry.

Bluerun Ltd has the capabilities to manufacture most things from timber, hardwood, softwood, panels and sheet material. Some common items Bluerun Ltd manufacture for the domestic market include windows, doors (exterior and interior), bi-folding doors, staircases, bespoke storage units and wardrobes, all of which come with the option of being sprayed in primer or to a finish.



"Everything we manufacture is purpose made for each specific job. Nothing we do is 'off the shelf,' it's all made to measure to meet every client's requirement," stated Dee Newman, Finance Director.

Headquartered in Wimbish, near Saffron Walden, Essex, Bluerun Ltd tends to work with clients within a 20-mile radius. "For our commercial clients, we can usually quote using drawings and then send items by courier. If a joinery item can be manufactured from drawings only, whether it's for commercial or domestic clients, we can send it virtually anywhere in the UK for the client to have it installed," said Dee.

Bluerun Ltd.'s loyal team of experts, boast a traditional 'old school' approach to joinery, whilst still attaining professional, high-quality skills and expertise. "As a specialist joinery manufacturer, we don't use CNC or CAD in our manufacturing. All of our items are designed in-house, unless the client has a detailed drawing. Our 'old school' approach means we still use hand tools to produce all our items, and we also have the capabilities to spray items in-house," mentioned Dee.

Yes, Bluerun Ltd do use modern techniques including power tools and machines to machine timber, however, all its designs are without the aid of computers. Everything is created within its in-house workshop and crafted by





Team at Bluerun Ltd

hand to the highest quality. Bluerun Ltd.'s years of success have been passed down through generations, similar to evolution and survival of the fittest, the best techniques have surpassed the test of time. Combining traditional and modern techniques, the overall process has become more efficient for both the client and the company.

The majority of the company's production is for commercial builders and manufacturing, providing all types of commercial joinery products including large scale repeat production runs of windows, frames and doors, to both large- and small-scale customer internal and external projects such as Multiplex Cinema fitouts, Shopping Centre fitouts and various Homebase stores around the UK.



Velfac is the UK's leading brand of composite windows and doors, specified for the system's slim and uniform frames, offering a contemporary style and exceptional thermal performance. Dovista is a group of 14 distinctive brands with strong local roots on the European market for vertical windows and exterior doors. Partnering with both B2B and B2C, Dovista is well-known and highly respected in the industry for providing products of the best quality. Bluerun Ltd is proud to manufacture Velfac and Dovista mainframes and packers for the commercial sector.

"For the domestic sector we have the capabilities to reproduce windows and doors to match existing ones. Whether it's a new build or a period home, we will try our very best to produce replacements windows and doors for these," stated Dee.

Bluerun Ltd has an extensive portfolio showcasing previous work done for both the commercial and domestic sectors. One notable project was when Bluerun Ltd was approached by a client to reproduce some replacement gates for his listed property. The listed status extended as far as the property gates, so they had to match the existing ones that were beyond repair. Utilising its expertise and experience, Bluerun Ltd suggested using Iroko, a suitable hardwood, which could then be treated with white Bedec barn paint to match the client's requirements. Using black ironmongery to hang the gates, the client was hugely impressed with the final product.







Since joining the office team fulltime in December 2019, Dee mentioned how life has altered since COVID-19, "John Jones (my father) was furloughed with everyone else, but when we re-opened a few weeks later, he remained semi-retired. He turned 80 in August 2021, so is now available for advice without coming into the office. He still calls in every few weeks to make sure we're all ok and doing well."

With firm plans to expand the business and acquire new clients, Bluerun Ltd has seen a surge of interest from domestic clients since COVID-19 and is happy to be busy, connecting with clients again.

"We still have COVID-19 looming but we are positive and excited for the future. We're a small and friendly team who work well together and take pride in our work. For examples of our previous work customers can check our website portfolio as well as our Facebook and Instagram social media pages," said Dee.

For more information, please see below:
T 01799 599995
dee@blueruntd.co.uk
www.blueruntd.co.uk
www.facebook.com/blueruntd
www.instagram.com/bluerun_joinery



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