ISSUE **683** • February **2025**

INDUSTRIAL SOLUTIONS

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CELEBRATING 75 YEARS see page 21



PREMIUM PREFABRICATED PORTABLE **BUILDING BLOCKS & MORE** see page 22



LEADING LASER TECHNOLOGY

Laser welding machines are used to join thin metal sheets with minimum heat input and the joining of differing metals, offering precision advantages for intricate designs and delicate materials.

see page 24

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Kedel **Eco Friendly Plastic Products** - Top Recommendations





Editors Comments

Hello & Welcome to Issue 683 of Industrial Solutions UK!

The team at Industrial Solutions UK has been working extremely hard to bring you an issue that is full of innovative and exhilarating companies and we are very excited to share their success and achievements with you.

We have searched the length and breadth of the UK to bring you some of the most ground-breaking innovations and this month, we are overjoyed to be highlighting the activities of WJ Horrod, RM Fowler and Arkem Leisure.

Firstly, we would like to focus on the accomplishments of RM Fowler who this month features under 'Controls, Drives & Automation,' please see them on page 10.

Secondly, we are featuring WJ Horrod with the '75 Year Milestone in Industry' profile following their impressive performance over the years. For more information, turn to page 21.

Lastly, we would like to highlight Arkem Leisure for their portable building blocks that can be developed for different purposes. These can be seen on page 22.

I hope you enjoy reading this issue of Industrial Solutions as much as we have enjoyed bringing it to you. Happy reading and we hope to see you for the next edition!

Ian Hayward, Editor INDUSTRIAL **SOLUTIONS** UK

Contacts

Editorial

Ian Hayward, Editor T 0121 241 8788 info@solutionspublishing.co.uk

Accounts

Accounts Manager T 0121 681 0935 accounts@solutionspublishing.co.uk

Production

Production Manager T 0121 241 8788 production@solutionspublishing.co.uk Industrial Solutions UK is based on the belief that our customers needs are of the highest priority and the utmost importance, with this in mind our team of highly dedicated staff work around the clock to make sure that those needs are always met.

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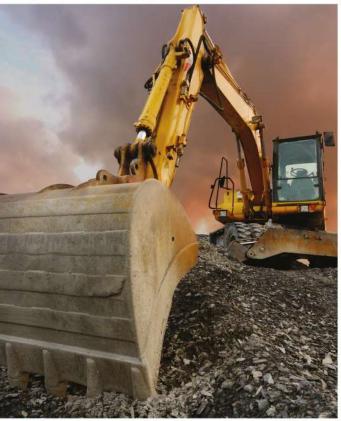




Sponsored by **UNISIC** on pages 6-7



Surface Technologies



- Controlled Shot Peening
- Laser Peening
- Keronite PEO
- Thermal Spray Coatings
- Dry Film Lubricants
- Organic and Inorganic Coatings
- Parylene Ultra-thin Conformal Coatings
- Superfinishing
- On-site Processing
- Material Testing and Analysis
- FAA, AS9100 Rev D, NADCAP, IS09001:2015











In this issue of Industrial Solutions, we are happy to feature award-winning SubCtech (Subsea Technologies for the Marine Environment) a leading manufacturer of underwater technologies for its Commitment to Excellence in Ocean Power and Monitoring Systems.

Established in 2010 by Applied Physicist: Stefan Marx (CEO), the maritime powerhouse is based in Kiel, Northern Germany. With a diverse team of expert mechanical and electrical engineers and software specialists, this medium-sized company is committed to next-generational R&D, bespoke project consultation, rigorous testing of prototypes and first-class manufacturing.

Under the expert guidance of Stefan Marx, the company is divided into two specialised sections: Ocean Power Products and Ocean Monitoring Equipment offering a range of products tailored for various marine and subsea applications.

The Ocean Power Products are supplied primarily to customers in offshore oil & gas companies, monitoring stations/moorings, subsea applications and autonomous underwater vehicle (AUV), remotely operated vehicle (ROV) manufacturers. The Li-lon battery systems (PowerPacks) range from standard, subsea, vehicle, customised batteries, chargers to battery-management systems (BMS.) The advanced-precision titanium housing is fully customised and can be used for depths up to 6,000m.

The subsea batteries, for example allow highperformance for a design life of 25 years, with the electronic and Li-lon cells meeting meticulous, optimised safety standards. The rechargeable Li-lon batteries provide robust subsea Uninterruptible Power









Supply (UPS) and are perfect for marine and offshore technology applications, offering next-level capacity.

"Our batteries undergo rigorous heat, shock and vibration testing, to reach the UN T38.3, MIL-STD, DNV or AP117F standards of compliance and other on request," said Stefan.

The PowerPacks™ automatically protect itself e.g. at low voltage, to prevent damage, leaving operators assured of safety at all times, with the capacity to disconnect in the event of overcurrent or external short circuit. The advantage of Li-lon batteries over Alkali primary batteries, is the high current operational features, ability to function at subzero temperatures and during high currents/peaks. Furthermore, the corrosion-free titanium housing can be used up to depths of 6,000m. The batteries are used for industrial applications and are tested in accordance to API17F, MIL-STD, DIN-EN and DNV – according to the application.

The ocean monitoring equipment provided by SubCtech is essential for scientific institutes, researchers aboard vessels, and sailors. This equipment facilitates comprehensive monitoring of surface and subsea

environments, focusing on greenhouse gas levels and micro-plastic sampling. The flagship product, the Autonomous Underway Measurement System (AUMS), is specifically designed for pCO $_2$ monitoring on 'Ships of Opportunity.' It is highly versatile and can be enhanced with additional sensors, such as the Meteo Top-Box for Sea-Air Exchange flux measurements and other third-party instruments.

The latest Microplastic Sampler for example, offers autonomous monitoring on any type of sea vessel and can detect even the smallest presence of microplastics in the water, down to particles per m³. The next-level robust, waterproof design provides accurate sampling, even on high-speed boats travelling at 30kn.

Stefan said, "We are experiencing rapid growth in our industry, driven by high demand for our Ocean Power products. We serve customers globally, including Europe, Asia, Australia, and the US, ensuring safe transport of our UN T38.3 certified Li-lon batteries worldwide via airline cargo."

"Our professional sales partner network streamlines service delivery across regions. In response to exponential growth, we've nearly doubled our staff to 76 and plan to expand our facility from 1,200sqm to 4,000sqm."

"We prioritise environmental sustainability, using LED lighting, promoting public transport, and recycling all components, including batteries. Our Microplastic Sampler aids scientists in monitoring ocean microplastic pollution, which affects marine life and human health."

"Our latest innovation, the Subsea 2 MWh Energy Storage System has now successfully passed its final field-testing stage: the system has been commissioned and tested in situ and, therefore, has already reached the Technology Readiness Level 6 (TRL 6), according to API17Q, which exemplifies our commitment to high standards."

"Looking ahead, we aim to lead in Subsea and Ocean Power Solutions and Ocean Monitoring Systems globally. We seek strategic partners and are eager to expand our network within the international Oceanology sector."

For more information, please see the website below: T +49 (0)431 220 39880 info@subctech.com www.subctech.com

Ocean Power

Transform into the cost-efficient and sustainable future



New UNISIG Operating System Streamlines the Human-robot Interface

epresenting a leap forward in programming, UNISIG's next-generation operating system further improves the human-robot interface and slashes programming times.

The new operating system, featured on UNISIG's UNE6-2i-750-CR small-diameter gundrilling machine, streamlines the setup of dozens of different part handling combinations to reduce new part setup times by 80% or more. The system significantly improves the communication between the machine's human machine interface (HMI) and the robotic controller. This enables centralized data storage or a single source of truth – the coding and data for the gundrilling operation and the program for the part handling are stored together for ease of recall.

Because it works within a parametric programming environment, the new operating system automatically adjusts its parameters to any dimensional part changes, without the need to manually calculate and enter in new

parameters. Such intelligence eliminates the need to start over and create entirely new and independent programs, while greatly simplifying and shortening programming times for part families.

The UNE6-2i-750-CR gundrilling machine with integrated robot ships with a handheld programming console/teach pendant connected to the machine. Prior to the use of parametric programming, all part handling operations were pre-programmed using the pendant. Users can now enter and store all machine and robotic parameters in the machine HMI. This allows for a more centralized user experience and greatly reduces the depth of robotic experience required.

The machine HMI has built-in parametric selection guides, allowing users to toggle between data entry and the programming guides. Each data value, and its function, are graphically displayed in the on-screen programming guide. This prevents the guide from being misplaced and makes it available

at all times, which is especially advantageous when periodically adding new parts involving large time gaps between them.

The UNE6-2i-750-CR with integrated robotic automation also features interchangeable part trays. The robot services both the machine's spindles and accommodates drilling of different diameters from each end. The optional lantern chuck system on this machine model allows workpiece loading into the rear of an automatic collet chuck to ensure accurate workholding, especially for uniquely shaped workpieces.

UNISIG's UNE6 Series of precision gundrilling machines generate holes from 0.8mm to 6.0mm (0.03" to 0.24") in even the most challenging of materials. Such capability makes the machines well suited for a wide range of applications, including medical part manufacturing.

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Machines • Tools • Automation





ECO PHYSICS AG develops new three-channel chemiluminescence analyser (NO/NO₂/NH₃)

co PHYSICS AG offers innovative analytical solutions for measurement tasks in the fields of environment, health and process control. Using its vital expertise and technology to contribute towards environmental preservation, human health, and industrial innovation, ECO PHYSICS' interdisciplinary research and development team work tirelessly to deliver the best customer orientated and tailor-made products and services for the industry.

Founded in 1990 through a management buyout, ECO PHYSICS stands strong today as an independent Swiss shareholder's company with an active board of members who are committed to the future growth and success of the company. We spoke to Dr. Grischa Peter Feuersänger, Head of Sales & Marketing who explained how the past 12 months have fared.

"We have received a positive recovery post pandemic. Many public projects were reopened which generated a lot of opportunities for new references. The war in East Europe is a new tough challenge to overcome, especially for companies that rely almost completely on importing parts and exporting their finished products. But the main challenge for all of us has particularly been the manufacturing costs, shipping routes and exchange rates. Since 2022, we have used this time to expand our product portfolio and modernise our production line. New staff has



been hired for production and R&D, and we have rearranged the supply chain due to the rise in production costs. We have adapted our yearly forecast to cater to this, we know it will be hard, but optimisation is our current goal."

Knowing there is no quick fix to economic changes, ECO PHYSICS is determined to continue innovating and has developed a new three-channel analyser based on chemiluminescence. As an upgrade from the The nCLD AL2, The nCLDAL3/8555 CY analyser is the next generation in high precision nitrogen oxide measurement. Unique in speed and reliability, the nCLDAL3/8555 CY is modular designed and capable of simultaneously NO, NO₂, NO_X, NH₃ and NOX-Amines. The new and intuitive graphical user interface also individually displays and connects to other instruments' data.

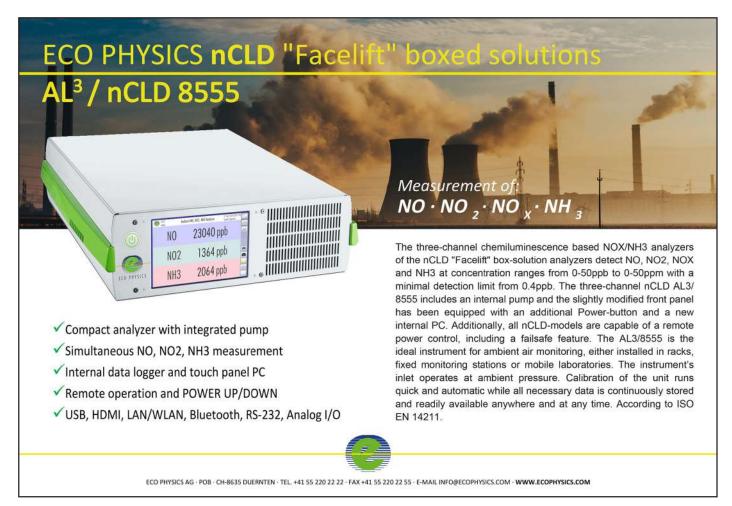
Overall stability and reliability are lifted to a new level. The optional electro-mechanical bypass system balances out even the fastest of pressure variations occurring in the sample flow. Furthermore, the analyser is adaptable to numerous non-standardised applications and the calibration of the unit runs quickly and automatically with all necessary data available anywhere at any time. Its user friendly, compact, modular, and intelligent hosting its own CPU whilst enabling interaction with other CPUs by BUS-communication.

Additionally, ECO PHYSICS has also been developing upgrade kits for all its existing products to help counteract some of the problematic complications the supply chain has caused. "We have used this chance for some substantial upgrades in hardware, software and gas flow controls," added Dr. Grischa Peter Feuersänger.

Going forward, ECO PHYSICS is excited to continue working on optimising production workflow whilst simultaneously expanding its current portfolio and developing new technologies.

In closing, we asked Dr. Grischa Peter Feuersänger how the company felt receiving our award. He responded, "We are extremely honoured to be nominated, thank you."

Contact T +41 55 220 22 22 info@ecophysics.com https://www.ecophysics.com



ERG (Air Pollution Control) Ltd cleans up

The ERG group has over 40 years' experience and operates through three divisions. The powerhouse of the group is the first of these, ERG (Air Pollution Control) Ltd. This division has highly qualified and experienced teams of chemical, mechanical and electrical engineers who, together with design engineers, project managers and procurement professionals, design and supply bespoke gas scrubbing systems and odour control plants to meet their clients' requirements.

ERG solves the full spectrum of gas cleaning challenges facing its clients; whether it is a requirement to remove foul odours from air under ambient conditions prior to release into the atmosphere, right up to scrubbing streams of process gasses at high temperatures, high pressures, or in explosive environments to remove toxic or aggressive pollutants. The level of technical sophistication and bespoke engineering content is each project is specific to the clients' needs, with industrial applications typically demanding the highest processing technology.



The commercial driver leading clients to invest in ERG's systems might be a pressing requirement to comply with government regulations or with the emission limits set in an operating licence issued by an appropriate agency. For other clients, ERG's expertise is often sought to clean up gas streams that form an integral part of the client's production process. For example, in the green energy sector ERG's systems purify biogas or syngas that they have generated, so that the client's process runs more efficiently with lower pollution levels. In some cases, ERG's gas cleaning systems can even generate by-products, which become value added saleable side-streams.

Based in West Sussex, ERG has grown its business strongly over the years to build up a global sales network and client base.

An office in Jordan services ERG's business throughout the Middle East region, and is fully staffed with design engineers, project managers and local sales managers. A satellite sales office in Dubai completes the Middle East structure.

ERG (Plastic Fabrication) Ltd is the manufacturing division for the group and specialises in the high-quality custom fabrication of tanks, vessels, pipework and ducting from GRP and composite plastic materials, and which are used in the systems designed by ERG (Air Pollution Control). ERG (Plastic Fabrication) Ltd also welcomes commissions direct from 3rd party customers. It has a vast arsenal of services to offer clients, and has specialist experience in manufacturing using a wide range of plastic materials including PVC, CPVC, Polypropylene, PVDF, and other specialty plastics for harsh environments such as ECTFE.



Finally, the group includes ERG APC Maintenance Ltd. This division's mission is to provide servicing and maintenance support to customers throughout the lifetime of their air pollution control system. Service can be provided under contract to include a routine preventative maintenance servicing schedule designed to maintain system performance. Alternatively, maintenance can be provided on an ad hoc basis as and when required.

All three-company divisions are now based in superb new purpose-built office and factory facilities in West Sussex, which were completed in 2021. Having all divisions on the same site significantly enhances working efficiency, design quality, production quality, and production capacity.

For more information, please contact ERG (Air Pollution Control) Ltd at: T 01403 290000 Middle East Office +962 6515 9021 info@ergapc.co.uk www.ergapc.co.uk



ERG (Plastic Fabrication) Ltd

At ERG (Plastic Fabrication) Ltd, we specialise in the high quality custom fabrication of process industry vessels and associated components from GRP and composite plastic materials.

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- PPVC Plasticised Poly Vinyl Chloride
- PP Poly Propylene
- HDPE High-density polyethylene
- GRP Glass Reinforced Plastic

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MiB is a product/service that builds in diagnostic support for multiple assets via Machine Learning and Artificial Intelligence.

MiB incorporates the diagnostic knowledge of expert diagnosticians in the conventions of mature condition monitoring techniques and aligns this with Al functionality to identify true outliers and then offer meaningful diagnostic advice.

As more assets are managed remotely and fewer onboard personnel are sufficiently experienced to deal with all scenarios, it is becoming clear that a marriage of technology and experience is needed to balance the equation.

Objectives

Using our asset condition assessment software MIB, we will create an integrated software platform for undertaking prescriptive maintenance on your ship's machinery, structures, and auxiliary systems. This will be achieved by using data from existing condition monitoring, diagnostic sensors and systems, the implementation of advanced predictive analytics and the integration of a maintenance actions/prescription database.

Based upon advanced, artificial intelligence (Al) and deep learning algorithms MIB will prescribe, the most appropriate maintenance strategy in real-time for every asset under its control, based on the subtle but pre-alarm indications of emerging faults that will occur at a future time.

Specific objectives of MIB are to:

Establish the monitoring and maintenance needs of each vessel

Specify the software platform parameters based on each vessel's requirements

Deploy our intelligent monitoring software module

Integrate the module into the MIB platform and provide routine updates to the crew





View the MIB interview on YouTube

Please visit: maintenance-in-balance.com or contact UK: +44 (0)7422 079140 or Baltic: +370 (8)652 99978

Controls, Drives & Automation



Leading the future of Valve Technology in 2025

In this issue of Industrial Solutions, we are proud to spotlight Oliver Valves as our **Top Recommendation for Valve Technology in 2025**

olivervalves

Oliver Valves has grown into a global leader in valve technology, continually innovating and expanding to serve the evolving needs of the energy industry.

Comprised of Oliver Valvetek, Oliver Twinsafe, and Oliver Hydcovalves, Oliver Valves specialise in the design and manufacture of high-performance valves and related equipment.

"We provide everything from Instrumentation valves to double block and bleed valves, manifolds, needle valves, ball valves, and subsea valves. We are also a specialist in custom-engineered solutions for extreme operating conditions such as high pressure, high temperature, and corrosive environments. Our valves support both traditional fossil-based applications and newer, greener energy sources, reflecting our commitment to the emerging energy landscape," stated Joe Cooper, Marketing Manager.

As a key supplier for the hydrogen and CCUS markets, Oliver Valves has successfully completed testing for its 1,500 and 2,500 class AH fugitive emissions needle valve head units, which are now fully qualified to ISO 15848-1. This achievement not only represents a major step forward in its commitment to helping the energy sector transition to a cleaner, more sustainable future, but solidifies

Oliver Valves' position as a leader in providing high-performance valve solutions for critical energy applications.

Nick Howard, Engineering Director at Oliver Valves, commented, "This qualification not only reinforces our commitment to innovation but also ensures that our customers can rely on our valves in the most demanding hydrogen and CCUS applications."

The results and performance indicated that the valves successfully passed rigorous testing across -46°C to +85°C with over 200 cycles, meeting strict industry



standards for tightness and fugitive emissions. Both 1,500 and 2,500 class valves performed exceptionally within ISO 15848-1 limits, ensuring reliability in static and dynamic conditions. Rated Class AH, they exhibit outstanding sealing with minimal emissions, making them ideal for hydrogen electrolyser systems.

The newly qualified valves offer durability, reduced maintenance, and long-term cost savings. Their high-cycle performance extends service life, minimising repairs, downtime, and leakage, making them ideal for demanding applications requiring tight sealing and minimal emissions.

"In addition to launching new product lines, we established Oliver Hydcovalves to focus on hydrogen and carbon capture valve solutions and to support the sector's rapid technological evolution. These steps ensure we stay ahead of market demands and maintain our position as a leading innovator in valve technology," added Joe.

Oliver Valves aims to remain at the forefront of the emerging energy market - expanding its capabilities in hydrogen, CCUS, and other new energy applications, whilst continuing to redefine its product range, supporting sustainable energy projects worldwide.

For more information, please see below: T 01565 632636 sales@valves.co.uk www.valves.co.uk

45 years!

As we celebrate 45 years of success at Oliver Valves, we know that none of it would have been possible without the dedication of our incredible team of dedicated staff.

Today, we want to shine a light on one of our longestserving members, Jimmy Dalzell, who has been with us for an impressive 36 years. Starting as an assembler in 1988, Jimmy's mechanical expertise and commitment have been instrumental in some of our most significant developments, including the introduction of our ball valve, DBB, Valvetek, and Twinsafe ranges.

Jimmy's journey with Oliver Valves has been marked by countless contributions, from hands-on assembly and pressure testing of products that began as ideas and grew into industry standards. Reflecting on his career, Jimmy fondly recalls the early days, particularly as his first interaction with Dr Michael Oliver when he humorously asked Jimmy, "Have you gone to sleep there, pal?" as he filled out his job application. It's a memory that perfectly captures the friendly and supportive atmosphere that has made Oliver Valves more than just a workplace.

The two photos below show Jimmy with Mark Oliver and Colin Bell in 1991 and again last year as they recreated the image.

Thank you, Jimmy, for your unwavering dedication and for being such an integral part of our journey. Here's to many more milestones together!

T +44 (0)1565 632636 sales@valves.co.uk https://www.valves.co.uk





Oliver Valves delivers key components for Shell Rosmari Marjoram project

Oliver Valves is excited to announce its latest contribution to the Shell Rosmari Marjoram Onshore Gas Package with the delivery of three different-sized valves tailored for the DS21 water treatment package.

DS21, originally a Korean company and now part of CECO Environmental based in Dallas, US, plays a significant role in this extensive project. The specialised valves from Oliver Valves are just a small part of a larger scope. Oliver Valves has also supplied the complete Double Block and Bleed (DBB) package for the Shell Rosmari Marjoram Onshore Gas Package, demonstrating their comprehensive capabilities and expertise in the industry.

In addition to the onshore components, Oliver Valves has successfully secured the offshore portion of the project through T7 Wenmax, their Malaysia agent, in collaboration with Malaysia Marine and Heavy Engineering (MMHE).

This achievement underscores Oliver Valves' commitment to innovation, quality, and excellence in the engineering sector. The company continues to be a trusted partner in delivering critical solutions for major international projects.

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Valves ·

Take sound to the cloud with Quantum from Cirrus Research



or more than five decades, health and safety practitioners have turned to noise monitoring equipment such as handheld sound level meters and personal noise dosimeters to assess noise levels in the workplace. However, with more and more businesses choosing to operate from multiple sites as opposed to across one site, it's possible that these more traditional methods of noise measurement and monitoring may no longer be the most efficient.

Quantum; the future of noise

Quantum Indoor from Cirrus Research is a powerful noise monitoring solution with built-in cloud connectivity, perfect for continuous occupational noise monitoring, identifying the source and type of noise that is occurring, and highlighting where noise control measures are required.

With this instrument, it has never been easier to measure and monitor workplace noise continuously and remotely across one or multiple sites.

The cloud technology that is built into the Quantum instruments allows health and safety practitioners to connect multiple noise monitors on one account, allowing for data from each noise monitor to be viewed and assessed on one platform. This creates a network of interconnected instruments whose data can be viewed and analysed sideby-side, removing the need to download information from separate handheld instruments one-by-one.

Additionally, Quantum indoor provides a constant ear to the ground, offering live and historical data round-the-clock that practitioners can access from anywhere, at any time and on any device. Whether users are on the other side of the planet to where the instrument is installed, or they're stood in the next room, the data is always accessible on demand via the online Quantum portal, powered by MyCirrus.

With a network of cloud-connected noise monitors, the need for users to be physically on-site to measure noise levels is vastly reduced. Cloud-connected monitors, such as Quantum Indoor, can be installed and left to do their jobs completely unattended. They can then be configured remotely to send users real-time alerts when noise events occur, which provides greater control to health and safety practitioners in the workplace.

With Quantum Indoor, you can:

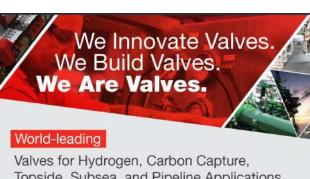
- Link multiple units to form a cloudconnected network of noise monitors to make viewing the full picture of your workplace noise impacts easier.
- View your live and historical data in the Quantum portal anytime, anywhere around the world on any device.
- Create numerous audio triggers and notifications based on your personal set of conditions for acceptable noise emissions and receive these notifications via email, SMS or push notification.
- Use the **frequency analysis** screen on the Quantum portal to further view and analyse your noise data and better understand the exact nature of the noise.
- Create detailed reports directly though the Quantum portal based on direct data captured by your Quantum Indoor units.

The Quantum Portal; powered by **MyCirrus**

With the Quantum Portal there are no fixed fees or set up charges. With Cirrus Research, users are offered subscription packages that are flexible to fit in with your noise monitoring programme and your preferred level of usage. These flexible plans means that you have the ability to change your subscription up or down on a monthly basis.

Powered by MyCirrus, this portal is suitable for all Quantum noise monitorina devices, and can also be used with other instruments such as the Cirrus Research Environmental Noise Measurement Kits.

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Oliver Valves Ltd Parkgate Industrial Estate, Knutsford, Cheshire, WA16 8DX, United Kingdom



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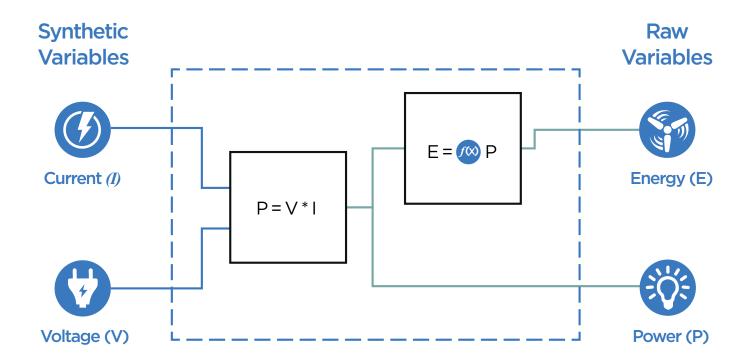
Get instant access to your noise, weather, air quality and ground vibration data with Quantum Outdoor from Cirrus Research, our first fully integrated cloudbased comprehensive environmental monitoring system.

Quantum Outdoor can work in any environment, including providing long-term remote noise and environmental monitoring for the construction and demolition industry.

Discover remote environmental monitoring: cirrusresearch.com/quantum-monitoring



SEMOTA: Sense, monitor, trigger, act



The new remote monitoring solution from interface force

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analysis and device control.
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stored for review and in depth
analysis. Linkage to common
messaging systems deliver live alerts
for device management. Tailor and
build applications to suit your needs
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BUILDING UPDATE

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oncaster-based Castle Steel **Buildings Limited** is the UK's number one supplier of cold formed steel buildings. From storage,



workshops, private garages, agricultural buildings to commercial buildings, the Yorkshire company can design and supply for any applications.

Castle Steel Buildings work across commercial, industrial, leisure, equestrian and agricultural sectors to create the very best design solutions that last decades with little environmental impact.

Steel buildings are revered for robustness, flexibility and sustainability properties and can be moulded into many different shapes and sizes, making this the design product of choice for bespoke versatility. Steel is often chosen over wood in the industry as a material as it doesn't rot, warp or deteriorate with variables such as moisture or pests, allowing for structural longevity. Galvanisation and special paints also offer extra protection against corrosion and rust.

The team at Castle Steel Buildings can customise a building to suit your specific design purposes, from small storage sheds, to large commercial buildings. The designs can include the following options: insulated or non-insulated, roller shutter doors, personnel doors and many other features.

To find out more contact Castle Steel Buildings Limited on: 01302 301402 or visit the website for a free, no obligation quote at: www.castlesteelbuildings.co.uk



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A) avrame uk

Discover the beauty of minimalist living with Avrame UK's eco-friendly kit homes. Our A-frame structures are designed for simplicity and sustainability, providing a harmonious blend of form and function. We offer a variety of customizable A-frame kit homes, including the Trio, Duo, and Solo series, to suit your unique needs.

Whether nestled in the countryside or perched on a city rooftop, Avrame homes offer a unique living experience, emphasizing natural light, open spaces, and a connection to the outdoors. With customization options. you can create a space that truly reflects your lifestyle.

WWW.AVRAME.CO.UK

Our homes are built with efficiency and sustainability in mind. They are energyefficient, durable, and have a minimal environmental impact. With easy-to-follow instructions and high-quality materials, building your dream home has never been simpler.

At Avrame, exceptional customer service is our cornerstone. Our team of experts in planning, architecture, engineering, and construction works closely with you to ensure your home is tailored to your preferences. We are committed to transparency and responsiveness throughout the building process.

Choose Avrame UK for a beautiful, sustainable, and affordable home that stands the test of time. Live smart. live sustainably, live Avrame!



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How are YOU prioritising the safety of your commercial fleet?

et's face it – how confident are you that your commercial drivers are truly prioritising safety on the roads? Can you be certain that daily walk-around checks are performed accurately? How do you know your drivers are actually getting out of their cabs to inspect their windscreens and tyres before ticking every box and going on their way? For many commercial fleets, the truth is that you don't.

It is well-documented that driving for work is one of the most dangerous things you can ask your employees to do. A staggering 33% of road deaths and 20% of serious injuries involve someone driving for work. So what are you doing about it?

The reality of road safety in commercial fleets

Managing a fleet of commercial vehicles is no easy task. The logistical challenges are immense, and ensuring the safety of each driver is paramount. However, safety protocols can often become mere checkboxes in a long list of daily duties. When the pressure is on to meet delivery schedules and performance targets, it's easy for thorough inspections to fall by the wayside.

But this isn't just about meeting regulatory requirements or avoiding fines. The human cost is significant. When a driver skips a safety check, it could lead to severe consequences – an accident that could have been



prevented, injuries, or even fatalities. These incidents not only affect the driver and their family but can also have a profound impact on your business, from increased insurance premiums to the potential loss of contracts.

The importance of thorough walk-around checks

Daily walk-around checks are a crucial part of ensuring vehicle safety. These inspections are designed to catch potential issues before they become serious problems. A cracked windscreen might seem like a minor issue, but it can obstruct the driver's view and become a major hazard. Worn tyres can lead to blowouts, especially at high speeds, putting the driver and others on the road at risk.

Ensuring that these checks are carried out properly is vital. This means making sure that your drivers are not just ticking boxes but are actually getting out of their cabs and performing the inspections thoroughly. However, manual checks can be inconsistent. Fatigue, complacency, or simple oversight can lead to missed steps, and without a robust system in place, these errors can go unnoticed until it's too late.

Choosing CheckedSafe for safer roads

This is where CheckedSafe comes in. CheckedSafe is a comprehensive SaaS solution designed to ensure that your fleet's safety checks are carried out accurately and efficiently. With our system, you can digitise your inspection processes, making it easier for drivers to complete checks and for you to monitor compliance.

We provide a user-friendly app that guides drivers through each step of the inspection process, making sure that no item is overlooked. We do this by dating, timestamping and geolocating every time they press a button, so you can see if they have raced through the checks in two minutes or carried it out properly. The software also uses an accelerometer to make sure they're walking around the vehicle to do the checks, not just sitting in their cab.

Meanwhile, from your offices, you'll be able to monitor user activity, view comprehensive maintenance



reports in real-time, identify outstanding tasks and vehicle defects, and schedule services with our intuitive system. We also offer secure data storage and a clear end-to-end audit trail, so that you can protect your business in the event of investigations.

Don't just tick boxes, commit to comprehensive safety

Don't wait for a serious incident to highlight the gaps in your safety protocols. Act proactively to mitigate risks and ensure that every journey your drivers make is a safe one. With CheckedSafe, you gain peace of mind knowing that your fleet is compliant, your drivers are protected, and your business is safeguarded against avoidable accidents and their associated costs. Prioritise safety, protect your drivers, and ensure the longevity of your business with CheckedSafe.

Take the first step towards a safer fleet today by visiting our website at: www.checkedsafe.com or ring us on: 01282 908429.



IAS: Success at APF 2024 and exclusive new Socage product

ndependent Access Sales (IAS) sell market-leading manufactured platforms, such as Easylift Spider Platforms, SOCAGE Truck Mounting Platforms.

Based in Huntingdon, IAS has gone from a relative newcomer on the market to selling million-marked machines over the last two years. One the main reasons for the company's success is the focus on solid customer service. Founder Richard Martin has 35 years' previous sector experience across scaffolding, supervisory roles and surveying and understands the industry inside out.

With a focus on brand awareness, IAS brought its Easylift Spider Platforms and SOCAGE truck-mounted platforms to the APF Show from the 19th-21st September at Ragley Estate, Warwickshire. APF has been running since 1976 and is a respected dedicated biannual event for the whole forestry, woodland, arbicoulture, firewood,





fencing, tree and timber sectors. It's the largest of its kind and attracted 23,000 visitors this year.

"APF 2024 was a huge success for us. We met lots of knowledgeable end-users, with a huge appetite for the latest machinery. As a biannual event, it had an extra buzz, with lots of strategic talk. We had lots of hot enquiries and sold a SOCAGE 24D double-articulated truck platform during the three-day event. This product has been precision-designed with safety in mind, with automatic stabilisation as standard. It can reach a working height of 23.60M and a lateral reach of 12,70M with a maximum load of 300kg: perfect for all tree surgery jobs. The SOCAGE 24D is set up to approach heights without risk of collision and with improved precision, which is ideal for manoeuvres like tree pruning." added Richard.

The Easylift Spider Platforms are also ideal for tree surgeons: with the range available from 13M up to 53M. The Easylift platforms give the owner

operator assurance and flexibility in business: simply put – more control over what to do in different environments. For tree surgeons, this allows operators the advantage of closing the Easylift Spider Platform down to less than 1M working width to take down a narrow footpath in a forest, to setting up on a hill to work at great height.

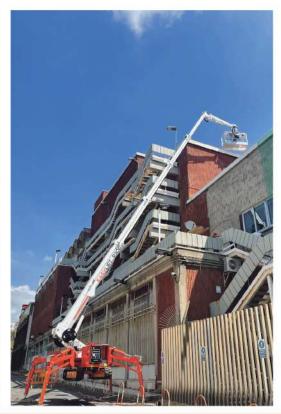
"We are delighted to report that from early next year, we will be supplying the SOCAGE 75M – which will be the largest SOCAGE access platform in the UK: a market-first. Contact us now for further information!"

For more information or to speak to Richard Martin directly, please see the details below: M 07483 246878 enquiries@iasales.co.uk www.iasales.co.uk



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Support for Success

Who we are:

ere at Support for Success, we shine brightly in the realm of sustainable construction. We are pioneers in Green Skills Training and Consultancy.

In a world facing critical environmental challenges, our initiatives are not only commendable, but they are necessary for a healthy future. Our core mission is to provide meticulously crafted training courses that are both practical and theoretical. These courses, range between one to three days and include assessments along with multiple choice exams.

Our courses:

- Inspection Maintenance and Repair of External Wall Insulation
- Understanding Domestic Retrofit
- Floor Insulation
- Draft Proofing
- Loft Insulation
- Internal Wall Insulation
- External Wall Insulation

Accreditation from NOCN and endorsements from key industry bodies further validate the quality and effectiveness of our programs, offering participants the opportunity for industry-standard certification and recognition.

How to take our courses:

All our courses can be delivered on your premises or at one of our local venues. Please get in touch with us, to see what will suit you best.

Learn from our experts:

Here at Support for Success Ltd, we aren't just another training company; we're specialists in retrofit training and support, all delivered by experienced and qualified trainers. We're



passionate about training the existing workforce and awarding them with a recognised qualification, our courses are also a valuable tool for individual homeowners

Did you know that it is mandatory to have annual inspections on your External Wall Insulation?

Our Inspection Maintenance and Repair course awards participants with a Level 3 Certificate in Competence issued by the awarding body, The NOCN. This course prevents any issues with the invalidation of warranties and guarantees through unchecked defects. This course is also CPD accredited. More details can be found on our website: www.supportforsuccess.org

The UK's growing emphasis on retrofitting homes presents a critical need. We address this need by

educating and upskilling both the current workforce and the next generation to come.

We have developed these courses in collaboration with industry experts and esteemed entities – such as, the National Insulation Association, the Insulated Render and Cladding Association, the Solid Wall Insulation Guarantee Agency, Exeter College, and SWIFIX Ltd. This collaborative approach ensures the credibility and relevance of our offerings, making us leaders in the field.

"Building a sustainable future – support for success in green skills training dedication to green skills training equips you with the tools to thrive in this ever-evolving industry."

T 01884 211542 info@supportforsuccess.org

















Green Skills Training and Consultancy

Our Vision

At Support for Success, we're pioneers in green skills training and consultancy. In a world facing critical environmental challenges, our initiatives are not only commendable, but they're also necessary for a healthy future.

What We Provide

Support for Success Ltd is not just another training company. Support for Success are specialists in retrofit training and support. All delivered by experienced and qualified trainers. We are passionate about training the existing workforce and awarding them with a recognised qualification. Our courses are also a valuable tool for a individual homeowners.



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NE Fasteners celebrating 40 years 1985-2025

Screwshop, the home of our own brands - Turboqwik and Rhino Screws has evolved from its established sister company, NE Fasteners 10 years ago.

We are a family-owned company with over 30 years' experience, primarily specialising in

screws fixings & fasteners for the DIY, hardware, building, joinery and furniture manufacturing sectors. Screwshop prides itself with offering expertise, competitive prices from local and internationally sourced standard and bespoke products.



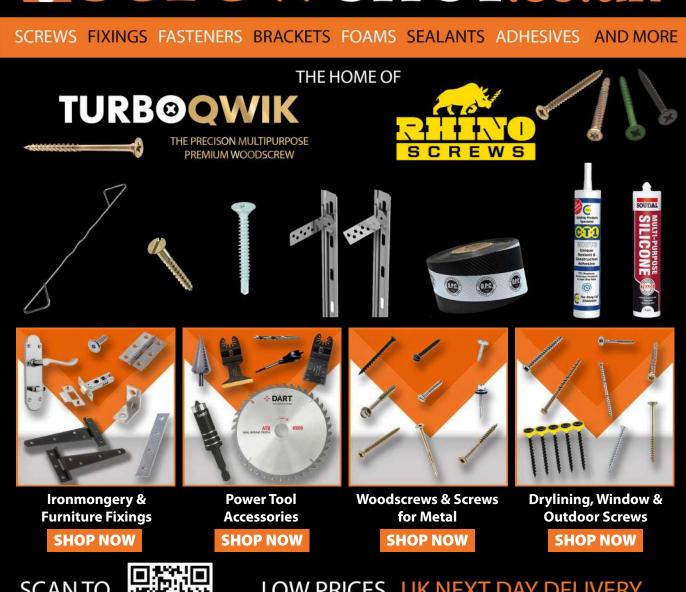
Situated in Cradley Heath in the West Midlands, we are able to provide a wide range of finishes, including zinc, electro brass, black chrome, satin chrome, bronze and nickel, and packaging options, ensuring that many buyers consider us to be a key and valued supplier. Our extensive

product portfolio also includes builders' metalwork, brackets and ironmongery and silicone sealants and adhesives.

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

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





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lympus Crew offers a comprehensive range of event crewing services, distinguished by its highly trained and versatile team. With expertise spanning from tools and staging to AV and lighting, the crew is prepared to handle a range of diverse tasks efficiently.

Founded in 2018, Olympus Crew has rapidly established itself as a versatile and reliable partner in the event industry. Over the past six years, they have successfully managed a wide array of events, including festivals, corporate gatherings, live shows, and sporting events. With seasoned



crew chiefs at the helm, Olympus Crew ensures smooth operations, effective client communication, and proficient management of large on-site teams. Its dedication to excellence makes them a standout choice for event execution.

Olympus Crew have the ability to travel all over the UK and even overseas when required. The team is made up of diverse skillsets including carpentry, audio visual, physical and mental strength, as well as forklift and IPAF operators.

The crew will be with you from the start to the end of each project. Whether that be picking items from a warehouse, building and painting sets in a workshop or loading





and unloading trucks, Olympus Crew offer as much off-site as they do on.

If you're looking for an elite crew that is professional in its execution with a hardworking attitude, get in touch today and a member of the team will be in touch within 48 hours.

M 07904 903452 info@olympuscrew.co.uk www.olympuscrew.co.uk



Event Crew in Leeds & in London, UK

We are a crewing company, for the clients, and for the crew.
We ensure the best services for you

Olympus Crew set up in early 2018 has developed into offering event solutions with crew, technicians and carpenters nationwide. Staffing jobs and events predominantly in the north of the UK, Olympus Crew has now spread across the UK and the globe working on some of the worlds most prestigious events.

Event team Leeds and London

Whether it's a big or small event, International or Local, Olympus Crew have you covered. With crew operational in Leeds and London, with the ability to travel far and wide, we are a convenient and proficient option for you to use for your crewing needs. As well as the UK, we've sent crew to Europe, Asia, Australia, North and South America, so wherever we're needed we'll be there for you.

Here at Olympus Crew, we have a dedicated team of hardworking professionals who form the Olympus Crew family. To date, we have over 80 crew members which increases daily.

Please visit www.olympuscrew.co.uk

Contact 079 049 03452 or email info@olympuscrew.co.uk



UK Manufacturers

One-stop-shop for indoor and outdoor sports and leisure spaces

The UK has seen an explosion in indoor recreational spaces, from trampoline parks, Ninja Warrior courses to soft play centres.

The first indoor Trampoline Parks opened in 2014 and over the last ten years, over 150 parks have opened. From corporate days out, to children's parties and clubs, trampoline parks are a growing industry.

Ninja Warrior Courses have likewise sprung up in major cities across the country, all inspired by the ITV hit programme Ninja Warrior UK. From Leicester to Liverpool, children and teenagers of all ages put their Ninja skills to the test in a series of physical obstacle courses.

Soft Play Centres hardly need an introduction, as most aunties, grandparents, and parents will have taken their child or younger relative to one at some point. Come rain or shine, all year round, soft play centres provide hours of safe, sociable fun for babies,



toddlers and children. Designed for children to let off steam, the integrated slides, ball pits and play areas are perfect for weekly meet ups and children's parties.

For companies looking to increase franchises and open new centres, it's always good to use manufacturers renowned for professionalism, expertise and excellent customer service. The Playcraft Group fits the bill with 40 years' children's play industry and 25 years' play centre attraction industry experience. Based in South Wales, the company offers a one-stop-shop for design, manufacturing, installing and maintaining trampoline parks, climbing walls, Ninja Warrior courses, adventure playgrounds and much more.

"We offer bespoke installations across the indoor and outdoor sports and leisure sector, as one of the few one-stop-shops in the industry. Our previous high-profile clients have included Disney, Land Rover and Cartoon Network and we work with farm parks, theme and holiday parks, schools, the FEC sector and more. We know the business inside out and we're happy to offer free 360° advice from business plans and models, to planning application support, insurance to franchising advice. From Jungle or Space themed soft play, climbing wall in a new upcoming urban space, to an exciting Ninja Warrior Course, we can do it all.

Currently we are working on a wheelchair-friendly, soft play section for a local soft play centre. We are adapting our soft play materials to incorporate the width of an electric or manual wheelchair. The end result will be an inclusive space for children in



wheelchairs. More and more soft play centres are adding sensory spaces (lights, textures etc) to support neurodiverse children, to increase inclusivity for children and their families," explains Mike Broadfield: founder, coach and consultant.

To start your indoor leisure franchise journey today, contact Mike on the details below: T +44 (0)1792 422818 hello@playcraftgroup.com https://softplay-manufacturer.com







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Warwick Buildings Ltd wins Award of Excellence for 2024

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Buildings
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buildings, specialising
in garden offices,
modern garden
rooms, and wooden
garages. With a
focus on quality
craftsmanship and a
commitment to using
sustainable materials,
Warwick Buildings
is a trusted name

in the industry, providing customers with versatile, aesthetically pleasing structures enhancing their outdoor spaces. Founded in 1988, at the heart of Warwick Buildings' success is its customer-centric approach. The company prides itself on delivering a personalised service, assisting customers from the initial design phase to the final installation.

E2 Media have recently unveiled their highly anticipated 2024 Awards of Excellence. Warwick Buildings Ltd, have secured the prestigious award for the second consecutive year. Their



exceptional dedication to providing unparalleled customer service has set them apart.

Warwick Buildings' outdoor buildings are designed to meet the growing demand for functional workspaces within the tranquillity of your home. These structures are crafted with precision and attention to detail, utilising high-quality timber. Whether for remote professionals or those looking for traditional office spaces, these garden offices are a perfect solution.

For more information, please visit: www.warwickbuildings.co.uk

Bluerun Ltd once again achieves excellence in the workplace

pon reopening its doors in May 2020 after the COVID-19 pandemic, Bluerun Ltd has gone from strength to strength with its trusted brand now being known as one of the best in the joinery

industry that has recently attracted big name brands turned clients, Starbucks and Waitrose.

Since 2022, the company has continued to strengthen in terms of revenue and new business. It has managed to maintain a strong conversion rate despite the current economic crisis and has found that enquiries for larger jobs as opposed to 'single window' types of jobs has been more popular especially from domestic clients.

Based in Wimbish, near Saffron Walden in Essex, Bluerun manufactures quality, bespoke joinery items for the commercial market from door and window packers to shopfronts, reception desks, mainframes, pub doors, and years ago, even made a trebuchet for Stansted Mountfitchet castle!



Of course, the company has the capabilities to manufacture most things from timber, hardwood, softwood, panels and sheet material. Some common items Bluerun Ltd manufacture for the domestic building market

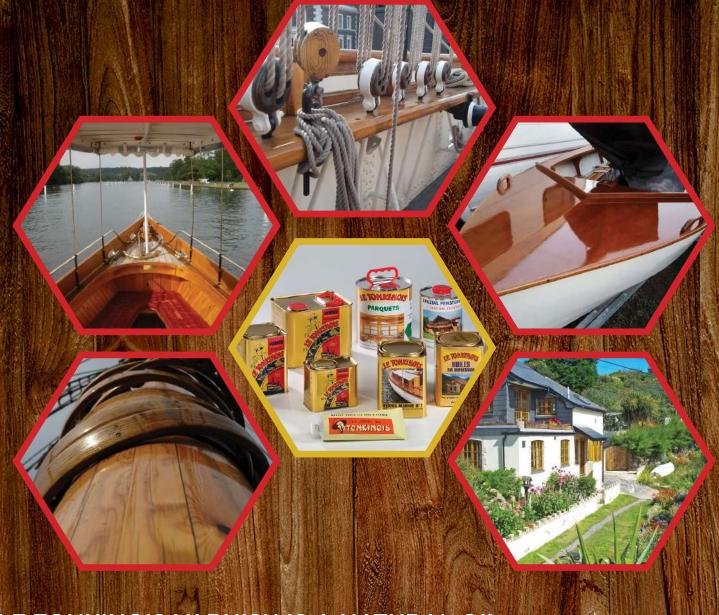
include windows, doors (exterior and interior), bi-folding doors, staircases, bespoke storage units and wardrobes, all of which come with the option of being sprayed in primer or to a finish.

If you're looking for items made from both hard and softwood or even veneered and painted panels, Bluerun can reproduce an array of items including replacement sashes, where it can manufacture a brand new one on a like for like basis, so the mouldings will match. Similarly, if a domestic client has found an image of a door that they would like reproduced, Bluerun can usually do that. Recently the company has started using a glass supplier that supplies them with stained glass effect units, complete with leading that has been aged and soldered.

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Surveyors



FGB Fennell, Green & Bates

Fennell Green & Bates Chartered Surveyors is a 150 years old practice based in Wakefield. At FGB, we specialise in building condition surveys, house structural surveys, project management, town & country planning, coal mining risk assessments, site investigation and remediation of brownfield land.

Fennell Green and Bates have been involved in over 1,740 projects over the past 22 years dealing with contaminated land, ground stability issues, phase 1 contaminated desk top studies, phase 2 site investigation projects, coal mining risk assessments and soil sampling for housing, commercial and industrial developments in north of England and the Midlands. Our practice also acts as mineral advisors to several building materials companies and that work has taken our surveyors all over the UK and to Ireland, Europe, Russia, South Africa and Australia to work on a wide range

At present we are managing the remediation of a glass works tip on behalf of a client for the site to be used as housing after the materials on site have been processed and re-engineered on-site for the development platform. We have recently completed the verification of the works for a medium sized housing development in Yorkshire in a former quarry that has been backfilled with engineered

Our team is experienced in all types of site engineering and soil management that includes materials testing that can save costs due to the re-use of these soils and a reduction in muck away.





Fennell Green & Bates

Old Joiner's Shop. 59 Oakenshaw Lane Walton, Wakefield, West Yorkshire WF2 6NJ Tel: 01924 255666 Mob: 07739 256461

Email: fennellgreenandbates@gmail.com **Website:** www.charteredsurveyorswakefield.co.uk

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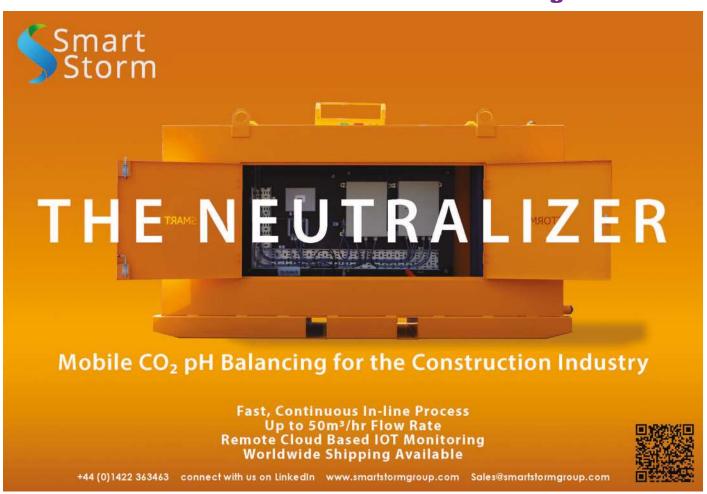
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1-4 Cary Court, Somerton Business Park, Somerton, Somerset TA11 6SB





Water Monitoring & Treatment



Make your project possible

CON Safety Consultants Limited offers leading health and safety consultancy and construction statute advice services. The company prioritises and specialises in the highest levels of informed and intelligent advice, senior project resource allocation and compliance assurance. Informed by industry expertise, DCON Safety Consultants Limited knows that every project has potential risks, no matter what its potential benefits, so its team of highly experienced construction professionals helps to ensure clients' statutory conformity.

Upon gaining understanding of the specific needs, goals and desires of each client and their project, DCON Safety Consultants Limited is dedicated to implementing a design and construction management plan that will meet or exceed these requirements. And, DCON Safety Consultants Limited ensures that there is honesty, integrity, trust and professionalism underpinning every project.

Moreover, the company's services are centred on three delivery principles:

- Maximising Quality: The company implements proven health, safety and wellbeing strategies to help clients achieve high quality and cost-effective work commensurate with the design of their projects.
- Minimising Risk: The company effectively manages design and delivery risk on projects to match each client's desired risk level profile.
- Managing Compliance: The company relies on its extensive background working on a wide variety of projects to assist clients in developing, monitoring and maintaining compliance performance.

This excellent service would not be possible without the leadership of Diarmuid Condon, a construction industry leader who brings unique perspectives to encourage, support and mentor the abilities of his colleagues. As a construction professional with a surveying background and experience spanning two decades, Diarmuid is emblematic of DCON Safety Consultants Limited's commitment to providing outstanding services to clients.

Diarmuid has contributed his invaluable expertise to over 400 projects over 20 years, with a client list including public sector departments, corporate owners, real estate developers, main contractors, design professionals and infrastructural bodies. With this incredible portfolio, Diarmuid is helping DCON Safety Consultants Limited to become a leader in health and safety consultancy across the construction industry.

Key to DCON Safety Consultants Limited's services is working as a Project Supervisor for the Design Process and CDM Advisor in various







sectors across the Irish construction market. No project is too simple or too complex for the company's construction safety consultants, all of whom are construction professionals with an average of 20 years' experience in the built environment. The ability to maximise this knowledge and skillset means DCON Safety Consultants Limited can generate distinctive and innovative ideas from traditional PSDP service inputs and outputs.

DCON Safety Consultants Limited also provides its main contractor clients with intelligent, practical, and reasonable physical site safety advice to support compliance and good practice adherence. Behavioural safety outcomes inform how the company approaches each solution with the contractor and their supply chain, identifying opportunities for improvement.

To complement this, DCON Safety Consultants Limited can also help with clients' health and safety strategy. Its holistic and integrated approach can help unlock substantial benefits for clients by providing a structured, objective and SMART framework for full optimisation through the creation of an environment that embraces health, safety and wellbeing.

This means DCON Safety Consultants Limited helps clients to improve their health, safety and environmental performance; enhance staff satisfaction thanks to improved performance; improve risk management and corporate governance with a clear audit trail; gain confidence from long-term planning, better sustainability and performance; and improve overall corporate reputation, including greater staff satisfaction and a more efficient procurement and supply chain.

If you are interested in finding out more information on DCON Safety Consultants Limited's full range of excellent services, head to the website or get in touch directly using the contact details below.

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Pioneering sustainability with Recycled Plastic Innovations

n this issue of Building Update, we are proud to spotlight Kedel as our top recommendation for eco-friendly plastic products in 2025.

This recommendation comes off the back of a fantastic year for Kedel. 2024 saw the company win double awards in the Feefo Trusted Service Awards 2024 as well as receive the Exceptional Service and Gold Trusted Service Awards 2024. These awards epitomise their exceptional customer experience across the board, which has been at the heart of Kedel operations since inception.

Kedel is a market-leading manufacturer and distributor of recycled plastic products, outdoor and park furniture. With a focus on sustainability, Kedel has been a front-runner in the industry since winning the 'Best Recycled Plastic Product' at the National Recycling Awards back in 2015.

Over the years, the family business has expanded, with a product range now serving a wide customer



base including local Government, housing associations, education, construction and domestic sectors.

The three founders are brothers: Kieran, Dermot and Lewis Walch, whose endeavour to bring sustainable products to the foreground have made Kedel products the 'industry's products of choice.'

"We manufacture plastic wood made from waste polystyrene, and we are also suppliers of many other types of recycled plastic profiles from other manufacturers. We stock tongue and groove boards, plastic sheet materials, decking, cladding, ground reinforcement and drainage grids, fencing and gates. In addition, we make a wide range of outdoor furniture often combining different types of recycled plastic into one product. These products include benches, tables, picnic tables, and notice boards just to name just a few. We also offer design services and have a large flatbed CNC (computer numerical controlled) machine for cutting and shaping to the CAD design parameters supplied by our customers,





or created for them by our in-house design team,' explained Lewis.

Using recycled plastic offers a dual advantage: it significantly reduces the carbon footprint while delivering substantial returns for businesses. These products are rot-proof and require no ownership costs, maintenance, labour, materials, or replacement expenses, making them a cost-effective and sustainable choice.

Take Kedel's plastic fencing panels for example, which are an ideal solution for end customers, including housing associations. Unlike traditional wooden panels, they eliminate the need for frequent replacements. The entire sustainable range withstands frost without cracking and remains intact even under heavy rain, avoiding splintering or damage. Additionally, Kedel's benches and picnic tables are perfect for educational institutions, providing durable outdoor furniture without the burden of high maintenance costs.

To find out more about the full product range, click here: www.kedel.co.uk

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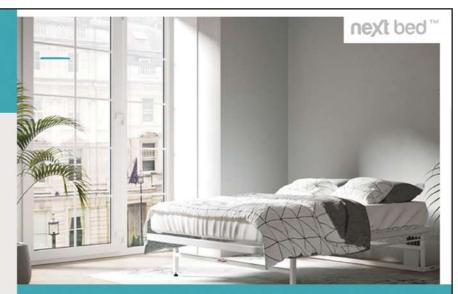
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CML readies itself for a surge of new market opportunities

ML Innovative Technologies (CML) is the leading manufacturer of LED signal lamps for all industrial applications and has been working with light since 1931. As a market leader in its field, CML was one of the first companies to introduce LED lamps and now has one of the broadest ranges of miniature lighting products in the world. "In 2004, the company became CML and continued to grow, establishing its international pedigree with two factories in Guangzhou, China, and Sibiu, Romania. While CML remains in Bury St Edmunds, the group was acquired by Spain's Grupo Antolin, which employs 28,000 people globally," stated Roger Neal, Commercial Manager.



From lamps for signalisation, panel mount indicators, LEDs, LED displays, medical lamps, and aviation lamps, CML provide light to an abundance of markets and pride itself on the ability to be as flexible and adaptable as possible in the manufacture of their own branded products to meet customer specifications and demand.

"CML in the UK focuses on specialist applications mainly manufacturing lighting solutions for automotive, aviation and general industries. We manufacture a standard range of products and customer-specific solutions from customer concept to production, including in-house design. Our portfolio runs to thousands of miniature lighting options in size, function, colour, finishes and voltages," said Roger.

CML is continually developing its own product range and has recently witnessed positive movements from customers seeking more product value. Some competitors fall short as they only provide a face value market product however, CML offers further manufacturing capabilities such as the add-on of cables and connectors to a product, which carries weighted value. The ability to meet customer specific requirements has attracted much attention in the industry as the manufacturing processes available from CML dramatically reduce production time through its made to order service.

"Nothing is impossible for us, we produce to customer demand working with customers. We have done work for individual airlines and collaborated



with their design division to manufacture LED replacements for incandescent lamps. There is a cockpit lamp, which we have produced for years, and there can be up to 1,200 different pieces per aircraft of that particular type. Our possibilities are endless," remarked Roger.

You will find CML products all over the world, from medical applications to gaming industries, by having full control of the entire value chain enables CML to be flexible with our clients' requirements. Since COVID-19, 50% of the business has come from industrial sectors. "Automotive sales have improved in the last year and the industrial side has witnessed significant growth. The pandemic has only made us stronger as a company, and as a result, our flexibility has generated an upturn in demand and helped create new business opportunities," said Roger.

For more information, please see below: T 01284 714700 uksales@cml-it.com www.cml-it.com/en



Contact our Customer Services department to discuss your requirements today.







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Service Sealing Solutions Ltd has the exclusive rights to distribute DOYMA products in the UK. DOYMA stands on the front line when it comes to the development of innovative, practical solutions for sealing and fire systems. Providing the very best in German engineering, DOYMA is used to seal penetration points in walls and floors to permanently prevent any infiltration of gases and water into the building. All DOYMA products are designed to solve all watertight duct sealing requirements, prevent against structural damage and incorporate rubber mouldings that ensure all gas and watertight features.

Demanding building types, such as power plants, large industrial plants, reservoirs or airports, often require highly specialised custom-made constructions. They place high demands on the fact that building penetrations such as cables and pipe work need to be permanently sealed. In the case of extraordinary pipe dimensions or special thermal, chemical or physical requirements, sealing systems in the form of a special construction are the required solution.

Service Sealing Solutions Ltd has a large range of DOYMA products that come with a 25-year warranty. DOYMA product brochures are available on the website and include products that have been supplied to some of the UK's largest projects such as HS2 and Kings Cross in London. DOYMA has recently released its new generation Curaflex Nova® gaskets, which are the perfect solution for any professional tradesman instantly looking to solve sealing problems and can be adapted to multiple applications.

Service Sealing Solutions also supplies HKD products, which are now owned by DOYMA. HKD manufacture a large range of pipe sealing systems and service conduits that are guaranteed to withstand up to four bars pressure. HKD systems have a sealing solution for service



Husband and wife team, Jim & Tina have recently visited DOYMA in Germany to find out about the innovative products that DOYMA have been developing

conduits cast into concrete without the sleeves. They are supplied and ready to use, requiring no site preparation work prior to installation. With options such as KE Socketless service conduits, KG Wall Ducts and Floor Ducts, together with KG Twin Sockets for installation in pump sumps, HKD products are ideal for situations where suitability for thin-walled concrete structures is vital.

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Service Sealing Solutions Ltd are the sole UK distributor of DOYMA products. Wherever services are installed through walls, ceilings or floors, penetrating water may cause damage to buildings. Lack of attention to the points of entry of pipes and cables into the building can have serious results: damp cellars, equipment damaged by water ingress and high repair costs. Service sealing systems ensure professional and perfect pipe sealing, thus presenting excellent preventative measures against structural damage. The very best in German engineering is used to seal penetration points to the wall to permanently prevent any infiltration of gases and water into the building, and the duct sealing systems are guaranteed for 25 years. Service Sealing Solutions supply the full range of products to suit all situations for power cables, communication cables, pipes and ducts, and specialising in sealing district heating pipes.





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Direct Hoist heading to net zero

nvironmental 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



come from the built environment.

So, the industry must create and maintain a sustainable outline for the future. Direct Hoist is an ever-expanding construction hoist hire and sales specialist that is leading the field in environmental awareness

Company founder Rob Wilson says, "Direct Hoist has spent the past three years minimising our carbon footprint, crafting a robust strategy for our Net Zero future, and pushing forward with our written policy for our Construction Line (Silver) accreditation."





Rob's approach started with the basics: long-life, lowenergy 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. Then came switching electricity supplier to a 100% renewable electricity produced by wind and solar Farms for the firm's workshops and offices, and sustainable practices throughout the entire business and favours suppliers that are either local (to cut transportation) or offer green credentials.

Direct Hoist has added a fully electric Corsa to its fleet of diesel-powered vans that run on 100% renewable HVO (hydrotreated vegetable oil) fuel, so now even a local supply run is fully renewable powered.

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 (CO2), 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."

For more information, please contact the team today: T 01724 781647 info@directhoist.co.uk www.directhoist.co.uk



75 years of W J Horrod Ltd

This year, W J Horrod Ltd, an award-winning, family-owned business, proudly celebrates 75 years!

Founded in 1950 by brothers William John and Alex Horrod, W J Horrod Ltd began as a repair service, leveraging their military engineering experience. It quickly evolved into a leading manufacturer of asphalt and bitumen equipment, as well as civil engineering and highway maintenance machinery.

Incorporated in 1961, the company was named after their father William John Horrod Snr, whose financial support made it possible. Over the years, it remained a family business, with younger brothers and later generations taking the helm. Today, second-generation directors Kim and Terry run the company, with third-generation apprenticing to carry on the legacy.

For 75 years, W J Harrod Ltd has been at the forefront of manufacturing equipment for industrial solutions. Based in London, the company is widely recognised as the industry leader in safety and efficiency.

Horrods thrive on challenges: continually developing, designing, and testing new products to ensure customers have the very best machinery and plant for each project. Over the years, Horrods has worked across mainly the 'building' industry, but its expertise is not strictly

limited to it. The company has provided all manner of products for manual handling, with clients ranging from the Royal Opera House, to the QEII Conference centre and Billingsgate Market. Their product range is extensive, and includes everything from the SwiftMelt Mastic asphalt mixer to Hotboxes, Hot Air Rubber

Materials melters, and thermoplastic pre heaters (whiteliners.)

Always at the forefront of safety, quality and efficiency, Horrods' range of services also include operator training, a hire service for many of its products, consultation on heating/ decanting of new materials, research & development for problem solving, health & safety,

and the ability to collaborate with Health & Safety Executives.

Terry Horrod Snr truly championed health & safety and advised HSE on good practices until the early 2000's. Safety continues to be the watch

word at Horrods today, as many of the larger products have moving parts using LPG Propane Gas or electric elements,

and are heating vessels that produce hot materials.

Working alongside AYM,
Horrods takes safeguarding
very seriously, prioritising safety
alongside quality. Every product
is crafted using the highestquality components and undergoes

a rigorous design process, including longevity testing. Additionally, they ensure that products are easy to service and monitor once they leave the workshop.

For more information, please contact the team on the details below: T 020 8539 5746 https://www.wjhorrod.co.uk









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W J Horrod Ltd has been manufacturing equipment for the roofing industry since the late 1950s.

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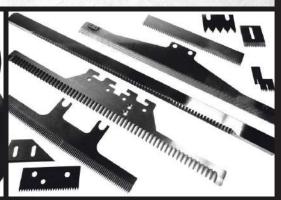
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aser welding machines are used to join thin metal sheets with minimum heat input and the joining of differing metals, offering precision advantages for intricate designs and delicate materials.

During 2023, the global laser welding machine market grew exponentially to \$1.32 billion from \$1.26 billion the year before, with a projected growth of \$1.55 billion by 2027. Europe has seen the biggest share of the market, closely followed by growing interest across the Asia-Pacific region.

There is increasing global demand for fabricated metal products in the renewable energy sector (wine turbine manufacturing), automotive (engine parts to injectors), aerospace, medical, electronics sectors (circuit boards, transistors and integrated circuits) and jewellery/the arts.

With a focus on the circular economy and Net Zero Targets, laser welding provides pinpoint accuracy, which means higher quality welds and less waste.



Spotlight on Machinery Supplies UK Ltd: Laser welding experts

Laser welding is a game-changer, offering welding up to four times faster than TIG welding, with significantly greater safety assurances due to reduced splatter and debris.

Established in 2020, Machinery Supplies UK Ltd was founded by Andy Naylor, who brings a wealth of industrial sheet metal experience spanning over 35 years. Based in East Yorkshire, Andy regularly travels to China to source the world's best laser welding machinery from high-end manufactures to sell to clients in the UK, Europe, USA and Taiwan.

Laser welding: The future is here

Laser welding is ten times faster than conventional welding, which is good news for capacity and high demand in sectors like wind turbine manufacturing. The new Labour Government has removed restrictions on on-shore wind turbine planning and plans to deliver 50GW of offshore wind by 2030. This translates to the building of 2,600 wind turbines at the cost of £48 million by 2030 alone. Due to its geographical location, the ÚK has more capacity for offshore wind power generation compared to any other country in the world, except China. Laser welding offers hugely advantageous benefits to welding across the wind turbine manufacturing sector, which in turn will transform the UK's renewable energy sector.

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Laser cleaning technologyLaser cleaning technology is used in variety of applications, to remove rust, paint, oxide and other contaminant like graffiti – with no damage to materials, due to its eco-friendly properties. This is an industry game-changer that substitutes sand blasting and other ways of cleaning metals. Traditional industrial cleaning methods are labour-intensive and some paint removal by sandblasting has caused permanent damage to the metal beneath.

Endnote on Laser welding

Laser welding is used for welding components made from high-strength alloys in aerospace, creating precise joins in surgical instruments in medical science, is integral to wind turbine manufacturing and many more applications. It is transforming manufacturing, repair and design on a global scale.

Visit the East Yorkshire showroom today!

For more information, contact Andy Naylor on the details below: T 01482 420491 T 07743 989565 info@ukmachinery.uk https://ukmachinery.uk https://www.linkedin.com/in/andy-n-629859a0 https://twitter.com/usedmach

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Hat-trick Award for Davies Turner Group

or the third successive year, the Davies Turner Group have been presented with an internationally-recognised award by the Royal Society for the Prevention of Accidents, RoSPA Gold Award, further solidifying this company's position as a worldwide freight and logistics partner.

Davies Turner provides pioneering direct UK weekly rail services in conjunction with their long-term partner in China, Air Sea Transport, who has years of experience in the China rail sector.

Since 2016, Davies Turner have operated China to UK rail services for full load (FCL) and groupage (LCL) shipments, assisting clients with their supply chain needs by reducing shipping times in comparison to Sea Freight. The availability of their import rail services has been vital to clients since the advent of the pandemic, where many importers witnessed shipping line ocean transit time delays, port delays and air freight became cost prohibitive for many large volume or dense cargo shipments.

With confidence and demand for China rail freight services soaring, as evidenced by the 50,000th China-Europe intermodal train embarking on its journey towards the west at the beginning of February this year, Davies Turner have introduced and support a dedicated weekly eastbound rail service for LCL cargo, having undertaken successful trials.





Established over 150 years ago and as one of the first companies in Europe to become accredited as a Full Authorised Economic Operator, this forward-thinking company is now a bona fide international freight forwarder, with an award-winning pedigree.

The group has 15 UK branches, including a head office in Birmingham.

We caught up with Andrew Ford, Branch Manager in Rotherham, Yorkshire to find out more, "The Rotherham branch specialises in awkward and out-of-gauge shipments, shipping many vehicles ranging in sizes and type to small rail engines as well as large machinery moves around the world. Alongside this they offer standard freight forwarding – which means the Rotherham Branch can assist in almost all enquiries they receive: 'from an envelope to a large project.'"

"We have an extensive knowledge of the services that we offer within our branch, with our dedication to detail to ensure where possible shipments smoothly and clients are updated should there be any delays out-of-our-control."





"We have had a good start to this fiscal year, which was surprising with the current downturn in world trade. Our short-term plan is to improve our office environment with some renovations and also look at team building activities that had to be suspended throughout COVID. We are also looking at more training for our staff so they can gain even more experience and knowledge to help assist our clients."

Despite most of the COVID-pandemic restrictions lifting and shipping costs starting to decrease, the world of international freight still has to contend with the challenges posed by the war in Ukraine, port strikes and a near-global recession.

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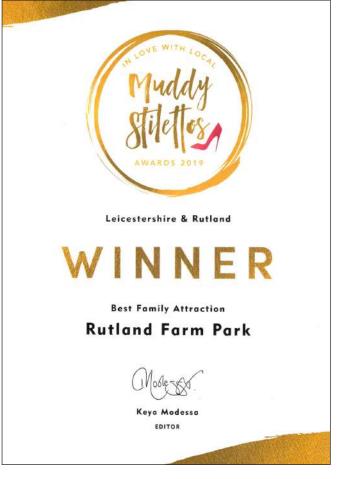
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Please visit www.rutlandfarmpark.co.uk, contact 01572 722122 or email info@rutlandfarmpark.co.uk



