

INDUSTRIAL

# SOLUTIONS UK

ISSUE 679 • October 2024

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## INNOVATIVE TECHNOLOGIES & SUSTAINABLE MEASUREMENT STRATEGIES

With more than 10 years of experience, SubCtech has established its position among leading manufacturers of ocean and subsea technology for industry and science

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**THE OPTIMUM SOLUTION**  
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### Hello & Welcome to Issue 679 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 SubCTech and Camb Machine Knives.

Firstly, we would like to focus on the accomplishments SubCTech who this month features on our front cover!

Secondly, we are featuring Camb Machine Knives with the 'Company of the Year 2024' profile following their impressive performance over the years. For more information, turn to page 25.

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

## BUILDING UPDATE



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## 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

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Sponsored by **UNISIG** on pages 10-12  
DEEP HOLE DRILLING SYSTEMS



# Art & Sea hails game-changing Mimaki CJV330-160 from Soyang Hardware



Written by  
**Ella Faulkner,**  
Internal Sales

cutter to adding in-house printing last year by investing in a Roland VG3-540 printer. After the early success of its venture into print, Art & Sea recently took the decision to bolster this further and went in search of a second printer.

Leonie said Art & Sea considered taking on a second Roland machine but after speaking with Damien Martin, Hardware Development Manager at Soyang Hardware, it was soon clear that the CJV330-160 was a better fit for the company's evolving requirements.

Art & Sea took delivery of the machine in mid-July and was already printing within just a few days of it being installed. Despite the printer having only been running a matter of weeks, Leonie said there has been a marked improvement in production.

**Contact**  
T +44 (0)161 765 3400  
sales@soyang.co.uk  
<https://soyang.co.uk>

Scottish vinyl graphic design business Art & Sea has praised the impact of its new **Mimaki CJV330-160** solvent printer/cutter from **Soyang Hardware**, hailing the machine as a 'game-changer' for the company despite having only been in place for just a few weeks.

Established in 2011, Art & Sea began its life in a spare room at the house of owner Leonie Woolf, initially running as a marine specialised business producing graphics for boats and kayaks. Over the years, the company has evolved to become a much more diversified business, providing everything from vehicle graphics, wraps and rally car livery to signage and shop front graphics – all from two dedicated office units.

This evolution has been driven by investment in new technology, growing its initial inventory from a single Summa

# GH Display eyes sustainable growth with new Veloblade Nexus



emphasising that GH Display provide a one-stop-shop for all things relating to exhibitions and events. With this approach, the company has grown on average by 30% year-on-year since 2013 and is now working with clients across a range of markets on exhibitions and displays.

Such has been the growth trajectory of GH Display that the company recently took the decision to bolster its production setup with the addition of a new digital cutter. While researching the market, the company was keen to identify a machine that could deliver more planet friendly displays using paper, cardboard and other recyclable or recycled materials.

After shopping around, GH Display found the VeloBlade Nexus to be the ideal solution, purchasing the machine from Soyang Hardware, an approved reseller of the cutter range manufactured by **Vivid Laminating Technologies**.

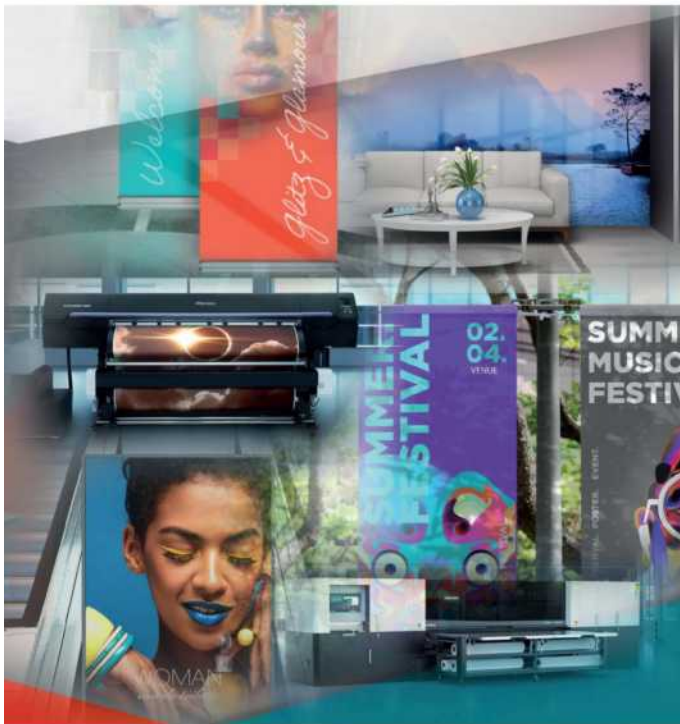
T +44 (0)195 423 2564  
hardware@soyang.co.uk  
<https://soyang.co.uk>

Custom exhibition stand builder and display manufacturer **GH Display** has said its purchase of a new **VeloBlade Nexus** digital die-cutting system from **Soyang Hardware** will help the company provide customers with more sustainable solutions.

Located in Peterborough, GH Display was launched in 1976 by Graham Hodson who produced signs and displays in his garden shed. Graham continued to evolve the business over the years, relocating to a larger space, and eventually passed the company on to his son and daughter-in-law, John and Jenny Hodson, when he retired in 2013.

John and Jenny instilled a renewed focus on driving ecommerce sales,

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# How good is your Driving for Work Policy?

Having a comprehensive and up to date driving for work policy is the essential first step for any employer with staff who drive for work. It is effectively a legal requirement under the Health and Safety at Work Act 1974. Once you have a policy, it needs to be communicated effectively, reviewed regularly and updated as necessary.

→ **We've just launched a new free resource** ←

The risk-management experts at Driving for Better Business, the free programme for employers, have just launched a brand new online driving for work policy builder, completely free to use, to help ensure you have a legally compliant driving for work policy.

**There are four ways the new DfBB Driving for Work Policy Builder can help you:**

**1** **Not got a policy?**  
Create a new policy using our templates

**2** **Not sure your policy is OK?**  
Review it against our good practice examples

**3** **Sometimes forget to review it?**  
Annual reminder to review your policy

**4** **Just want updates?**  
Alerts when guidance or legislation changes

SCAN THE QR CODE TO FIND OUT MORE



OR VISIT



# Is your Driving for Work policy good enough?

If you play the National Lottery, you may be aware that the odds of winning the jackpot are a staggering 1 in 45 million, yet, many of us think those odds are worth a go. After all, someone has to win, right?

There are almost 40,000 injuries on Britain's roads each year that involve someone who was driving for work at the time. With around 20 million vehicles thought to be used for business journeys, however infrequently, that means the odds of one of your drivers being involved in an injury collision while driving for work are just 1 in 500 yet we never think it will happen to us.

But, the bad news doesn't stop there. We have reason to believe those injury figures are significantly under-reported which would make the odds even worse. And, this is an average, so, if your driver safety management is below average, then your odds are starting to look very poor indeed.

If you have staff who drive cars or commercial vehicles for work, and you want to ensure your employees are not part of the problem, it's vital to set out the importance of driver safety – and the good practice standards you expect when your staff are driving for work.



## Your organisation needs to do this for three reasons:

- 1) It's the right thing to do – we all want our staff and other road users to get home to their families safe and well at the end of each day.
- 2) It makes good business sense. Poorly managed drivers will increase admin time, insurance costs, maintenance and fuel use.
- 3) It is a legal requirement – the law says all companies must have policies and procedures to minimise risk – and that includes the recognised risks around driving. In the event of a serious incident, you could be asked to prove what you do to promote driver safety.

To communicate your commitment, and the required standards to drivers, you need a driving for work policy.



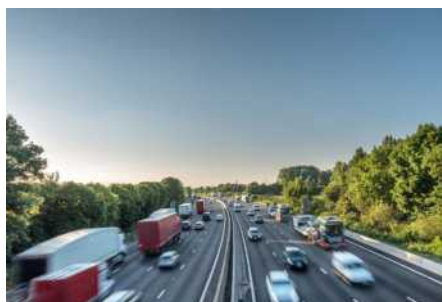
## What should be included in a driving for work policy?

A good policy needs to include specific information in a concise and easy-to-understand format. Here's a summary of what needs to be included.

- A **policy statement** which explains to drivers why the policy exists and why it is important they follow it at all times.
- A **driver management** section covering licence checks, medical conditions, driver competence and fitness to drive including impairment, fatigue and wellbeing.
- A **vehicle management** section including vehicle roadworthiness, safe loading, vehicle security, private use of vehicles and towing, if applicable.
- A **journey management** section including driving standards, use of mobile phones, dealing with fines and penalties, and what to do in the event of a collision or breakdown.
- A **grey fleet drivers** section – for those employees who use their own car for business journeys. It's an area often missed but every time an employee uses their own vehicle for any work purpose, you have the same legal responsibilities for managing safety.

## Review and update

To be legally compliant, your policy also needs to be kept up to date and reviewed regularly. From



time to time, official legislation and guidance will change or be updated. This might come from the DVSA, the Health and Safety Executive, government or be reflected in the Highway Code. Many of these changes might need to be reflected in your policy and communicated to drivers.

The policy must be owned by a director or similar senior manager who has overall responsibility for creating, communicating and reviewing it, as well as monitoring compliance. This person is also responsible for keeping the policy up-to-date.

## Driving for Work Policy Builder

A new, free to access, Driving for Work Policy Builder has just been launched by Driving for Better Business – the free programme from National Highways. The programme is set up to raise awareness of the need to manage driver safety, share good practice, and promote the business benefits that flow from this. The new Policy Builder is an online tool which will help ensure you have a 'good practice' Driving for Work policy and that you can keep it up to date.

## The Policy Builder is completely free to use and will enable you to:

- Access a driving for work policy template and checklist to make sure you've got everything covered,
- Create a new policy document, or review an existing document, that meets legal and compliance standards;
- Get email alerts for any changes in guidance or legislation that could affect your policy;
- Receive an annual reminder to review your policy, along with any changes that may be required since the last review;

Get started with the free online Driving for Work Policy Builder now.

Contact [support@drivingforbetterbusiness.com](mailto:support@drivingforbetterbusiness.com)  
<https://www.drivingforbetterbusiness.com>



# The Optimum Solution: Clean, efficient & secure handling of bulk material with Volkmann UK

**M**anufacturing processes continue to evolve from the human-centred methods of the past to machine reliant assembly lines, moving into the highly automated processes of today. As the industry continues to evolve it is imperative to stay ahead of the competition, continually improving processes and creating solutions to maximise efficiency. With the highest quality equipment, Volkmann create innovative solutions to transfer bulk material with Multijector® Vacuum Conveyors. Driving drastic efficiency improvements, reducing waste and creating significant cost-savings.



What stands Volkmann apart is their ability to create custom solutions for each application. As specialists in the design and manufacture of pneumatic vacuum conveyors and systems, their experience and expertise ensure that you get the right solution. Pneumatic powder-transfer systems are replacing more and more conventional mechanical conveying methods like screws, augers, lifts, belts and bucket conveyors.



European ATEX regulation for all dust and soon after, also gas explosion zones.

Customers can trust that Volkmann care about safety. Providing profound expertise and support for all hazardous applications relying on decades of experience and knowledge. The full range of VS and PPC Vacuum Conveyors are ATEX-certified as standard and can be regarded 'explosion-safe' for all dust explosion areas/zones (for conveying materials with MIE > 1mJ; MIE = minimum ignition energy) and if no inflammable gases are present.



Due to constant development and improvement in technology, removal of explosion risks and with a focus on good hygienic solutions, Vacuum Conveyors today are a preferred choice in many industries. They can transfer nano-sized material

and fine dust with particles size from 0.1µm up to bigger sized tablets, sweets, or bottle caps, for example. Alongside bulk material transfer, Volkmann also create the most effective solutions for loading materials, including Drum Discharge Systems, Big Bag Unloading Stations and Rip-and-Tip Dump Stations. Consistently creating the optimum processing solution for AM, food, pharma and chemical industries.



Because many production processes require multiple powders or granulates to be conveyed with the same equipment, it is important to have a receiver with a simple

assembly to allow quick and easy manual dismantling and cleaning to avoid cross contamination. The Volkmann VS and PPC series of vacuum conveyors feature a unique, stainless steel modular design with clamp rings allowing no-tools assembly and disassembly for cleaning and fast product changes.

Volkmann's ranges of Vacuum Conveyors were the first on the market that were fully certified under

**Volkmann provide reliable, hygienic, and efficient material handling solutions that enhance the safety, productivity, and quality of the manufacturing processes. Volkmann UK offer free on-site trials of their Multijector® Vacuum Conveyors, with no obligations. To find out more, email: [mail.uk@volkmann.info](mailto:mail.uk@volkmann.info).**

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# Goupil Range

An ideal alternative to combat ongoing charging shortage

The EV LGV fleet market is growing, with volumes tipped to expand from 5.9% of the market last year to 9.4% across 2024.

However, issues such as a lack of sufficient charging stations across the country is impeding growth, says the SMMT.

Without further investment being made into charging infrastructure, there is a concern this could incite a lack of confidence due to limited access, and therefore restrict sales.

In the case of utility vehicles, which traditionally operate in urban centres or on large-scale sites, the ongoing charging conundrum offers a frustrating dilemma for organisations in the public and private sectors.

A range of vehicles which has become increasingly popular across these sectors in recent years that remove the irritation of sourcing available charge

Specifically designed and categorised as low-speed electric vehicles (LSV), the Goupils are homologated for road use making them ideal for start stop and last mile applications, while also being particularly suitable for sites connected by public highways.

With an increasing emphasis on sustainability in towns and cities across the UK, they also offer a safer and more versatile option to access car-free zones, cities, and areas with low emissions. Alongside this, as urban areas become increasingly pedestrianised, the Goupils' compact size and generous payloads mean that they are able to operate seamlessly in areas where LGVs cannot.

While a key barrier to entry into the EV market for a number of operators is a lack of available charging infrastructure, Ramsy Labassi at Bradshaw Electric Vehicles has suggested that the Goupil range can still provide businesses and local authorities with a viable option to make the switch without the concern of sourcing or investing into charging stations.

Ramsy commented, "Addressing this infrastructure gap is of course paramount in empowering fleet operators to embrace electric vehicles and unlock the full potential of a cleaner, greener future. However, a lack of available charging stations shouldn't mean that operators must grapple with the uncertainty of where and when they can recharge their fleets if they choose to adopt electric options over their petrol or diesel counterparts."

"In suitable environments, the versatile Goupil light commercial vehicle range, which come with a number of configurations, acts as an ideal,



alternative solution to meet the diverse needs of industrial and commercial operations across a wide range of capacities – and most importantly they don't require charging infrastructure in place to be powered as they can be charged in the same manner as any electrical device."

"Since their introduction into the UK, the Goupil range has become a vital component of an operator's commercial fleet in recent years, enabling them to conduct tasks such as grounds maintenance, waste and litter collections, deliveries, street cleaning, final mile delivery, as well as several other unique applications – and their flexible and convenient charging capabilities has played a significant role in this, which is why they continue to be a vehicle of choice across a wide range of sectors."

Contact  
T +33 5 53 79 39 39  
[www.goupil-ev.com/en](http://www.goupil-ev.com/en)



points or investing into expensive charging stations, are the all-electric Goupil light commercial vehicle models.

The Goupils, which are supplied exclusively in the UK by leading electric utility vehicle supplier and manufacturer Bradshaw Electric Vehicles, are equipped with a single-phase onboard charger and can be conveniently plugged into any standard 230-volt domestic socket, which eliminates the requirement for costly or specialised charging infrastructure.

Bradshaw Electric Vehicles has witnessed an increasing transformation and shifting attitudes towards electric vehicles over the past four decades, with the rising popularity of its all-electric Goupil range within the private and public sector being a personal testament to this accelerating paradigm shift.



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## Innovative Technologies and Sustainable Measurement Strategies for the Marine Environment

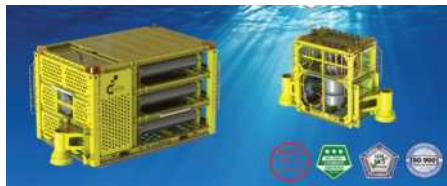
In this issue of Industrial Solutions, we are happy to feature award-winning SubCtech (Subsea Technologies for the Marine Environment) a leading manufacturer of underwater technologies for its Commitment to Excellence in Ocean Power and Monitoring Systems.

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-Ion 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 high-performance for a design life of 25 years, with the electronic and Li-Ion cells meeting meticulous, optimised safety standards. The rechargeable Li-Ion



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 API17F 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-Ion 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<sub>2</sub> 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 m<sup>3</sup>. 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-Ion 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 1MWh Energy Storage System (ESS), is nearing completion and will soon be delivered to maritime industry customers. This groundbreaking ESS, currently in System Integration Test (SIT) with Technology Readiness Level 5 (TRL 5), 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:  
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# Ocean Power

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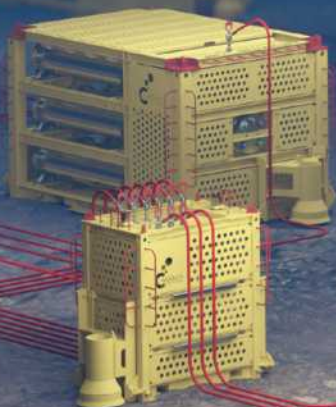
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Subsea UPS





# Deep hole drilling experts

UNISIG is an industry-leading American producer of deep hole drilling machines. The company supplies a large variety of customers from aerospace and automotive to energy, firearms, hydraulic cylinders, military, medical sectors, smaller bespoke companies and large original equipment manufacturers (OEM.)

With unparalleled installation capabilities across Europe, Asia and America, UNISIG has the expertise to provide advanced precision-driven machinery for all jobs, with its complete deep hole drilling solutions that range from machinery to tools and automation.

The drilling capabilities include: Gun drilling, BTA, counterboring/reaming, trepanning, pull boring, skiving and roller burnishing, bottom forming, bottle boring and much more. With a wide range of stock machinery lines for diverse manufacturing needs, UNISIG can also provide bespoke-engineered machinery across all applications.

The American heavyweight was established in 1981 and since that time, has built up to a pole position across the global industry with its renowned production of gun drilling and deep hole drilling machines. Entrust Manufacturing Technologies acquired UNISIG in 1995 and then moved the company to its purpose-built headquarters in Milwaukee, USA.

Their US Milwaukee facility was expanded by over 100,000 sq. ft. in 2019 to keep up with increased production capacity demand levels. The CNC grinding machine also supports greater production, alongside regular upgrading across the production facility. The dedicated design engineers at the UNISIG Tech Centre in Milwaukee are more than happy to build customised drilling machine orders, from prototypes to finished machines.

We spoke to Philipp Steimle: Sales and Service manager for Europe to ask more about company developments, "Due to ongoing supply issues, our company is expanding its own manufacturing department. The Kellenberger CNC grinding machine we have installed will allow us to finish all the drilling spindles in-house. We have also installed a laser-cutting machine, a CNC press brake and welding stations so that we can do all the guarding and coolant reservoirs in-house to avoid delays in our machine building."

"The UNE6 series for medical instrument drilling with its fully integrated automation is a game



changer for the industry and is proving highly popular in the market. We have, and continue to invest in more in-house production rather than external third parties to keep on top of our orders."

UNISIG is a clear market leader with a commitment to excellence to all customers. From quick machinery and part shipping orders delivered around the world, to meticulous service and repair jobs (conducted on-site and remotely), all jobs are carried out by an expert installation team made up of UNISIG engineers.

The recent addition of two new SSI Schaefer LOGIMAT® vertical lift modules (VLM) in the parts warehouse have further enhanced the already-excellent customer service. The storage units hold up to 28 tons of spare parts each providing welcomed streamlined organisation and tracking.

UNISIG operators can now effortlessly access parts inventory on the touchscreen and the VLM moves the correct tray forward, whilst a laser then selects the precise bin and location of the required part. This use of automated technology has optimised the inventory storage capacity and created a smoother, more accurate retrieval system.

UNISIG leads the way in expertly engineered, high-performance gundrilling. Another prime example of this is through the use of

the Dual-Spindle gundrilling machine that comes with counter-rotation (UNE12-2-750-CR). This has impressive features that include the two spindles for advanced-precision gundrilling to 12mm in diameter and 750mm in depth, at 12,000rpm. And, with capabilities to produce over 2,000psi coolant pressure, with integrated chip collection system and a touchscreen control panel, the characteristic counter-rotation of cylindrical workpieces provides next-level hole straightness that you've never seen before.

Contact UNISIG to discuss how deep hole drilling equipment would support your business venture today: [www.unisig.com](http://www.unisig.com)





# BTA Drilling: Brazed Versus Indexable Tooling

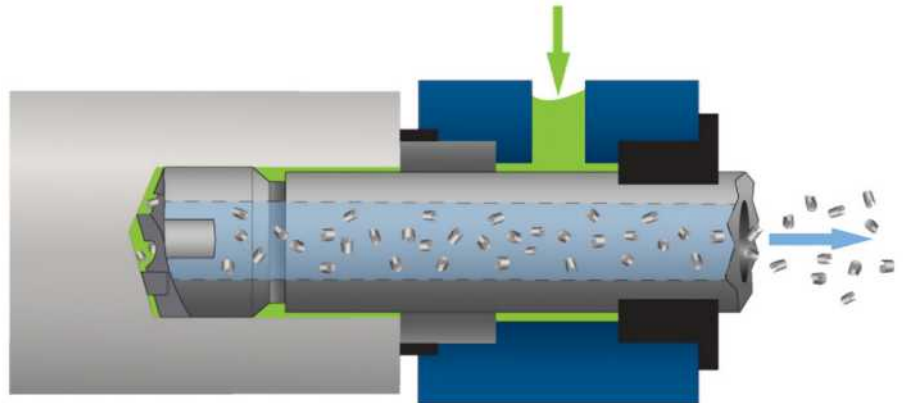
Photos: UNISIG

Deep hole drilling applications can be approached in several ways, but one of the most effective methods is often BTA drilling. BTA stands for Boring and Trepanning Association, although it is sometimes referred to as STS or Single Tube System drilling. Unlike gun drills or twist drills a BTA drill features internal chip removal, which has advantages in both productivity and hole quality.

The BTA drill head has multiple carbide cutting edges and guide pads mounted to it. Open spaces are designed into the head for chip removal, and chips are evacuated through the drill tube the head is threaded onto. Pressurized coolant surrounds the drill head in operation, and is key to forcing chips through the head and out the drill tube. This method of chip evacuation allows for a very clean and reliable process with excellent surface finish and high drill feed rates – typically 5-7 times faster than gundrilling at the same diameter. No peck cycles or feed interruptions are needed, resulting in reduced machine time while drilling extended depth-to-diameter ratios even greater than 40:1.

BTA drills are generally available in two forms: brazed or indexable; and tool selection is dependent upon several factors. As the name implies, brazed tools involve brazing a carbide insert and guide pads onto a steel body, while indexable BTA drilling tools have carbide inserts either directly mounted to the head with a retention screw or seated in a cartridge that is mounted to the tool.

Hole diameter is the initial consideration when determining whether to use brazed or indexable BTA drills. For small hole diameters



– generally 12 to 20mm in diameter – brazed tools are often the first choice as it's difficult to make small inserts and screws strong enough to withstand the torque and forces of BTA drilling. (Manufacturers of BTA drilling tools continue to make improvements in indexable BTA heads as small as 8mm in diameter, however).

Brazed tools offer extremely close tolerances and excellent surface finish as the insert and guide pads are mounted and then ground to the specified diameter, providing almost perfect concentricity and cylindricity. Ease of use is also a benefit – simply attach the head to the drill tube and discard it when it has dulled or failed. If you experience a tool failure, the investment in drill head isn't as costly as repairing or replacing an indexable drill head. Finally, an indexable BTA head can only be as accurate as the tolerance of the inserts themselves; but a brazed head has been ground to a very precise tolerance from the manufacturer.

By contrast, hole diameters starting at approximately 20mm favor indexable tools, primarily for economic reasons. Replacing larger diameter brazed tools is expensive, whereas indexing an insert and guide pads gives an easy extension on the tool's life. Indexable insert manufacturers also offer an exhaustive range of carbide grades, coatings and chip breakers for application-specific advantages.

The placement of the indexable inserts on BTA drill head varies by diameter and by manufacturer, and can include one or multiple inserts mounted directly to the head or set in a heat-treated cartridge, which is then mounted to the head. Guide pads are typically mounted to the head to counter the drilling forces and burnish the hole during drilling. Indexing, or rotating, a direct-mounted insert is as simple as loosening the retaining screw and turning the insert to expose a fresh cutting edge. If the insert and pocket were made with tight tolerances, your cutting diameter should remain reasonably consistent.

Cartridge-mounted inserts, however, typically incorporate a shim or other adjustment system to allow for a much more precise diameter setting after indexing inserts and guide pads. This process does require additional equipment, however, such as a micrometer and stand or tool presetter – as well as the skills needed to accurately make the necessary adjustments.

Whether you select brazed or indexable BTA drills for your deep hole drilling application, you will be rewarded with high feed rates and process reliability, along with minimal centerline deviation and excellent hole quality.



Brazed BTA heads – carbide inserts and guide pads are brazed onto the drill head

Further information on all machines and the complete UNISIG machine program is available at: [www.unisig.com](http://www.unisig.com) or follow the company on LinkedIn and Twitter (@UNISIG).



# UNISIG

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*UNISIG machines, engineered and manufactured in the USA*

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DEEP HOLE DRILLING SYSTEMS



# The importance of Load Cells in Oil and Gas

The oil and gas industry relies heavily on load cells for safe and efficient operations. From offshore platforms to drilling equipment, they provide valuable data to improve operations, increase production, and ensure the safety of workers. Interface load cells are used in many facets of oil and gas, including to ensure safe lifting, enhance equipment integrity, provide accurate measurements in field operations, and even assist with optimal storage tank management.

Interface stands out by offering ruggedised, high-accuracy load cells specifically designed for the **oil and gas** sector's demanding environments. Interface helps the **energy market** with force measurement solutions specially developed for harsh conditions, with sensors that can withstand up to 30,000psi and 500 degrees Fahrenheit.

## Interface Oil and Gas Applications

Load cell technology is used in various oil and gas applications, including:

### Downhole and Vertical Drilling

- Dry Load Cell Replacements for Wet Load Cells
- Drill String Weight and Tension Monitoring
- Oil Recovery
- Wellbore Perforation Equipment
- Wireless Drilling Systems and Rig Management

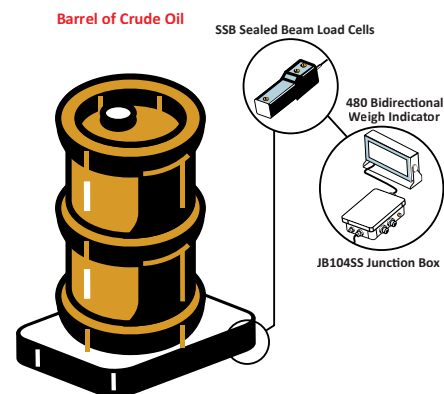
### Flow Management

- Monitoring Pipeline Tension
- Pipeline Stress Monitoring
- Mooring and Riser Systems

### Wellhead and Production Operations

- Tank and Silo Weighing
- Cementing Tools
- Wireline Tools
- Crane and Lifting Equipment
- Mixing and Separation Systems
- Offshore Equipment

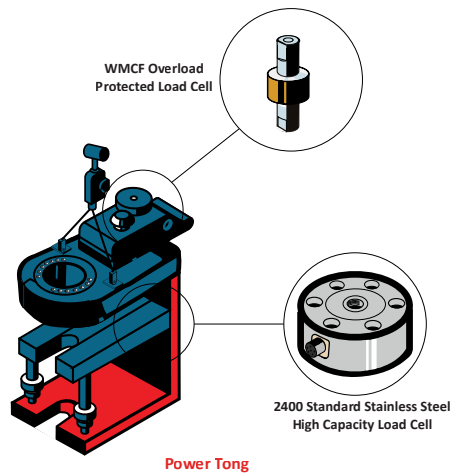
### Crude Oil Barrel Weighing Solution



A weighing system is needed to measure mass amounts of crude oil. Interface's solution is to secure four **SSB Sealed Beam Load Cells** at the bottom of a metal platform. The load cells measure the force applied by the weight of the barrels of crude oil. All four SSBs are connected to a **JB1045S 4-Channel Stainless Steel Junction Box** which is connected to the **480 Bidirectional Weight Indicator** to display the accurate weight results.

### Power Tong Measurement System

As with many oil and gas applications, the demand for digital or recorded traceability is ever-increasing. A force and torque measurement system is needed to ensure there is an appropriate amount of torque applied to a power tong during the tightening and loosening of shaft connections during the drilling

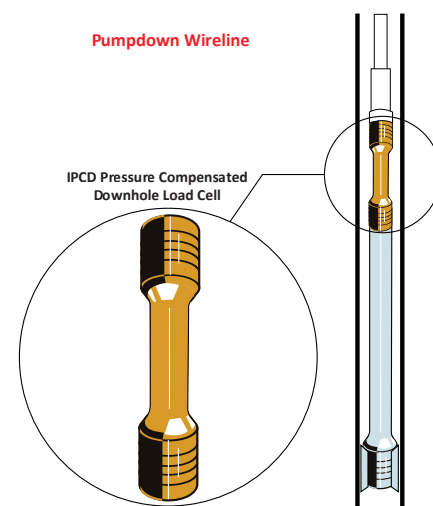


process. Interface's **WMCFP Overload Protected Sealed Stainless Steel Miniature Load Cell with Female Threads** is attached to the hydraulic actuator that controls the clamping force of the tong on the drill string, thus increasing accuracy over hydraulic measurements. The **2,400 Standard Stainless Steel High Capacity Universal Load Cell** is attached to the hydraulic actuator that controls the bottom tong's clamping force on the drill string. Interface's force sensors accurately monitor the motor of the power tong's tightening mechanism, ensuring it tightens during operation at the right amount of force. It also successfully measured the force of the hydraulic actuator controlling the tong's clamping force.

Interface prioritises customisation to meet specific client requirements. This may involve incorporating client-specific mechanical details or defining products tailor-made for existing drilling systems and production equipment. An example of customisation is Interface's **LowProfile™** series load cells, which helped an oil company improve recovery operations by providing accurate readings during an enhanced oil recovery (EOR) project. When oil is extracted from the ground, a refinement process removes sediments and other impurities. After the filtering process, the crude oil needs to be weighed before it can be redistributed.

### Challenges of Downhole Force Measurement

The downhole environment presents unique challenges for load cells. Downhole temperatures can exceed the typical rating of 'high temperature' load cells. Interface offers solutions that can withstand up to 500 degrees



Fahrenheit. Downhole pressure can be extreme, making sealing a load cell difficult. Interface's solutions address this with innovative designs.

### Interface's Dry Load Cell Technology

A significant contribution by Interface is their dry load cell technology. Interface has been building custom downhole load cells in the oil and gas industry for several decades. Unlike traditional 'wet' load cells that fail after a year or two due to harsh downhole environments, Interface's dry cells offer several advantages:

- **Extended lifespan:** They can last ten years or more.
- **Reduced maintenance:** Eliminates the need for frequent O-ring replacements.
- **Improved accuracy:** Provides consistent measurement feedback.

### Interface's IPCD Pressure Compensated

**Downhole Load Cell** is a superior solution for oil and gas. Is a prime example of this technology. Our innovative dry cell technology addresses the challenges of 'wet' load cells, which struggle with extended use in deep wells with extreme pressures, temperatures, and caustic environments. As noted in our application note, **Downhole Force Measurement**, the customer can control pumping forces on the tool string with incredible accuracy. Regulating this process ensured service success without the risk of the tool pump shutting down and avoiding a devastating and expensive fishing operation.

Each one has been customised to the customer's preferences. Interface leverages experience, engineering design, and production skills to provide a standard model solution. It should be noted that there is still an option to modify the IPCD Load Cell and customise it to adapt to customer hardware. Download the Interface technical review in our **Interface Pressure Compensated Downhole Load Cell White Paper**.

### The Benefits of Interface Load Cell Solutions for Oil and Gas

By implementing Interface load cell technology, oil and gas companies can benefit from:

- **Reduced costs:** Lower maintenance requirements and extended lifespans lead to overall cost savings.
- **Improved safety:** Accurate measurements ensure safe operation and prevent equipment failure.
- **Enhanced efficiency:** Real-time data allows for informed decisions and optimises drilling operations.

Interface is a global leader in force measurement solutions, offering over 35,000 products. It is committed to continuously developing cost-effective and durable solutions. We work with engineers and oil and gas industry leads to integrate our sensor technologies into their tools, equipment, and production solutions. Oil and gas companies can ensure safe, efficient, and cost-effective operations by leveraging Interface's expertise in load cell technology. Contact Interface Application Engineers to explore options for your exact requirements.

See our **Energy Industry: Force Measurement Solutions video** here

<https://www.interfaceforce.com>

# ECO PHYSICS AG develops new three-channel chemiluminescence analyser (NO/NO<sub>2</sub>/NH<sub>3</sub>)

**E**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 buy-out, 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, NO<sub>2</sub>, NO<sub>x</sub>, NH<sub>3</sub> 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>

## ECO PHYSICS nCLD "Facelift" boxed solutions AL<sup>3</sup> / nCLD 8555



- ✓ Compact analyzer with integrated pump
- ✓ Simultaneous NO, NO<sub>2</sub>, NH<sub>3</sub> measurement
- ✓ Internal data logger and touch panel PC
- ✓ Remote operation and POWER UP/DOWN
- ✓ USB, HDMI, LAN/WLAN, Bluetooth, RS-232, Analog I/O

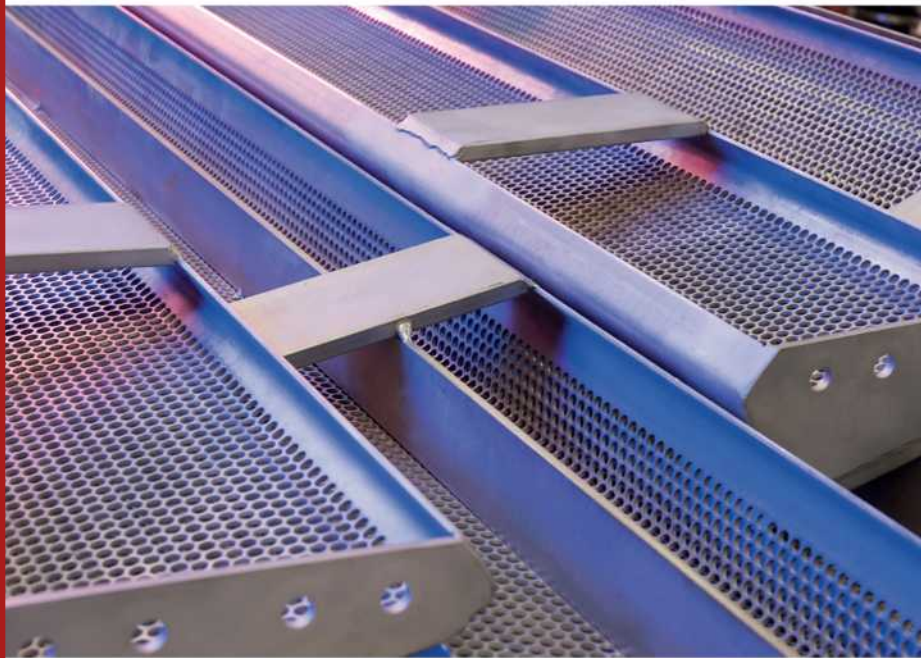
Measurement of:  
NO · NO<sub>2</sub> · NO<sub>x</sub> · NH<sub>3</sub>

The three-channel chemiluminescence based NOX/NH<sub>3</sub> analyzers of the nCLD "Facelift" box-solution analyzers detect NO, NO<sub>2</sub>, NO<sub>x</sub> and NH<sub>3</sub> at concentration ranges from 0-50ppb to 0-50ppm with a minimal detection limit from 0.4ppb. The three-channel nCLD AL3/8555 includes an internal pump and the slightly modified front panel has been equipped with an additional Power-button and a new internal PC. Additionally, all nCLD-models are capable of a remote power control, including a failsafe feature. The AL3/8555 is the ideal instrument for ambient air monitoring, either installed in racks, fixed monitoring stations or mobile laboratories. The instrument's inlet operates at ambient pressure. Calibration of the unit runs quick and automatic while all necessary data is continuously stored and readily available anywhere and at any time. According to ISO EN 14211.



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## Industrial Processing

Industrial Processing includes a vast range of potential applications for perforated products. RMIG Solutions has extensive experience in the chemical, pharmaceutical, paper, and offshore industries, to name a few. From small, high precision perforation in thin materials to large holes in thick sheets used in the mining industry, RMIG Solutions has the knowledge, versatility, and tooling to deliver products according to customers' requirements.

One particular area of Industrial Processing is dealing with waste water. The water industry presents a number of unique challenges in the use of perforated products. A key consideration here is the aggressive nature of the water towards the materials being used. RMIG Solutions has vast experience in servicing the waste water industry, and produces high flow, burr-free perforated waste water screens, offering accurate screen tolerances and effective separation.

Another area of Industrial Processing is medical and pharmaceutical, where RMIG Solutions' perforated materials are able to give firm tolerances during their manufacture, and are well suited for use in sterile environments.

RMIG Solutions' perforated products also have numerous uses in the petrochemical sector, from industry specific applications such as filtration, to oil and gas exploration, as well as more general applications such as walkways in processing plants.

## Bridge slot

The bridge slot sheet from RMIG Solutions play an essential role when it comes to the design and manufacture of bio-mass drying floors. The combination of sheet thickness and opening size allows RMIG Solutions' sheets to be used either as a suspended floor in wood chip drying containers and trailers, or as drive-on drying floors in outdoor buildings.

The bridge slot opening size determines the products that can be dried, which range from fine oilseed rape through to larger grains and cereals, as well as logs and wood chip drying.

## Food Processing

RMIG Solutions' food processing market sector meets the high levels of hygiene demanded by the food processing industry. Perforated screens are also strong with important thermal capabilities, making them useful for a wide range of food processing applications. RMIG Solutions' tailor made perforated solutions are ideal for cleaning, heating and steaming in food production environments. Whether it's baking trays, cereal cleaning or ingredient conveyors, all of RMIG Solutions' perforated materials can be customised for each application.



## Direct Hoist shines at Vertikal Days 2024

Direct Hoist, a leading specialist in construction hoist hire and sales, recently exhibited at the two-day Vertikal Days show 2024, held at Newark Showground with Electroelsa.

Vertikal Days 2024 was a prime opportunity for Direct Hoist to connect with its target audience, as the event has long been dedicated to showcasing equipment for lifting and working at height. Electroelsa and its UK distributor, Direct Hoist showcased a wide selection of their equipment for visitors to examine, including new models. On display was a PM-M56 transport platform, the P46 mast climber, PM-M23, PM-M10, as well as Electroelsa's new safety feature, missing bolts presence – which detects missing mast bolts during assembly.

Based in the Midlands, Direct Hoist stands at the forefront of construction hoist technology, introducing cutting-edge Italian Electroelsa machinery to the UK market. Electroelsa is a market-leader in safety, and benefits from high-tech computer control, including SIM technology with data-logging. It features a



self-diagnostic function to remotely relate to any Electroelsa machine problems, wherever it is in the world.

Electroelsa is implementing a wide range of technological innovations, which Direct Hoist is excited to provide to the British construction industry.

"We're currently supplying an Electroelsa PM23 and PM20 to developments in Manchester and Sheffield along with PM10s on a site in Bolton. We've worked with Electroelsa to adapt the range to suit the UK rental market while also meeting the latest Transport Platform regulations. Where we're enhancing components for longevity during intense usage – it's vital to minimise downtime on-site while maintaining efficiency, cost and ease of use," stated Rob Wilson, Managing Director Direct Hoist.

In addition, Direct Hoist have invested in the expansion and redevelopment of its Lincolnshire site to include vastly greater storage areas, bigger offices and a bespoke teaching centre. Here, candidates will be trained to reach NVQ (National Vocational



Qualification) Level 2 standard in hoist installation. A two-day session will be offered for experienced people, while a week-long course is available for a more comprehensive understanding of erecting and dismantling different types of construction hoists.

Furthermore, the facility also includes a 10m training tower, capable of transporting a two-tonne platform hoist to full height. Candidates are taught the theory and practical elements of assembly and disassembly of various lifts, including GEDA and Electroelsa units.

Over the past decade, the company has undergone continuous growth, driven by a steadfast dedication to staff development, a commitment to the highest safety standards, and a pioneering approach to sustainability in the industry. With its recent switch away from fossil fuels, Direct Hoist now runs its fleet of diesel-powered vans on HVO which is 100% renewable and offers a 90% reduction in CO<sub>2</sub>.

For more information:  
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<https://directhoist.co.uk>



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# BUILDING UPDATE

ISSUE: 679 October | [www.solutionspublishing.co.uk](http://www.solutionspublishing.co.uk)

## CBeebies Rainbow Adventure: Bringing immersive theatrical experiences to retail

The CBeebies Rainbow Adventure opened a few weeks ago to great acclaim. The BBC children's channel has always been loved by children up and down the land, with generations of families tuning in for In the Night Garden or Bedtime Stories. The latest crop of popular hit characters include: Mr Tumble & Friends, Bluey, Hey Duggee and JoJo & Gran Gran and all four feature in the new CBeebies Rainbow Adventure.

Housed in the Westfield Shopping Centre in Shepherd's Bush, the immersive experience can be found on Level 0, next to Next and is open to families with young children. The 55-minute theatrical extravaganza takes visitors through four interactive rooms with children invited to collect rainbow colours to complete the rainbow at the end. With exciting video imagery and props throughout, it's the perfect way to entertain children throughout a busy and tiring shopping day trip.

We were lucky enough to catch up with Sandpit Creations, an award-nominated creative workshop based in London and



one of the teams involved in bringing the CBeebies Rainbow Adventure to life.

Sandpit Creations is on a mission to create innovative sets, props, and experiences that both engage audiences and are built to withstand interaction. The team of widely skilled creatives include carpenters, creative and concept designers, scenic artists, textiles specialists, creative technologists, prop makers, sculptors, and metalworkers as well as writers, directors and performers.

From modern and traditional fabrication techniques including joinery, fibreglassing, textural effects, microelectronics, and robotics, Sandpit Creations deliver next-level special effects and theatrical immersive experiences.

Established in 2023, the award-winning team has already worked with high-profile clients like Samsung, Doc Martens, Aardman, Cupra, Kew Gardens and Wakehurst and completed projects in museums, attractions, bars and corporate events, with the dream team delivering perfect project management each time.

We caught up with Director Dan Barr to find out about this latest exciting project. "We worked on lots of different elements on this project: incorporating CBeebies archive video clips with set design and props, which was great as we got to work in a multidisciplinary way. In the Hey Duggee room, our brief was to design and make a traditional grandfather clock. Due to Building Regulations, we had to source fire-rated fire, which is not available from a standard Building Merchants and we had to use a specialist supplier. The clock features in an interactive 'disco scene' and the clock hands spin round, which was achieved by the clever insertion of an electric motor."

**If you have an idea for a project across the building, hospitality or other sectors, contact Sandpit Creations today:**  
T 07547 352391  
[info@sandpitcreations.com](mailto:info@sandpitcreations.com)  
<https://www.sandpitcreations.com>  
[#seeyouinthesandpit](https://www.instagram.com/sandpitcreations)

**To find out more about CBeebies Rainbow Adventure and to book tickets, click here:**  
[www.cbeebiesrainbowadventure.com](http://www.cbeebiesrainbowadventure.com)

### NeutraliZer™ CO<sub>2</sub> Concrete Washout Solution

#### Key Features

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- Skid-mounted – highly mobile – small footprint
- No hazardous chemicals or batch treatment
- Fully automated – user-friendly – Plug and Go!
- Rugged construction
- Integral flowmeter – alarm beacons (pH/out of gas)
- Remote Cloud-based monitoring
- Up to 80m<sup>3</sup>/h flow rate

#### Applications

- Construction and building sites
- Concrete wagon wash outs
- Mining
- Quarrying
- Demolition sites
- Concrete paving and brick manufacturing
- Chemical and Pharmaceutical Industries
- Railway and Road Infrastructure
- Water Companies



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## The UK's leading wastewater monitoring and treatment experts

Initially developed by Smart Storm for the Thames Tideway project, The NeutraliZer™ is a unique, mobile, in-line treatment plant that uses only CO<sub>2</sub> to continuously neutralise concrete washout water.

#### The concrete wash water issue

The pH of concrete wash water from construction and building sites is highly caustic (pH 12-14) and very damaging to the environment if untreated. It is illegal to discharge without an acceptable pH level (usually 6-9).

Equally, this applies to concrete wagon washouts to sewer and surface drains, where usually illegal to discharge below pH 6 and above pH 10.

This high alkaline wastewater is customarily treated with hazardous chemicals on a batch basis.

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see them on.....III-IV



**Checkedsafe**  
see them on.....VI-VII



**Trust Events**  
see them on.....VIII



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#### Lodestar

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#### Sentinel26

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# Make your project possible

**D**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.

**T +353 (0)1 611 1556**  
[diarmuid.condon@dconsafety.com](mailto:diarmuid.condon@dconsafety.com)  
[www.dconsafety.com](http://www.dconsafety.com)





# Leaders in Built Environmental Safety and Health and Wellbeing Consultancy



**Consulting on various aspects of project design, constructability and operational lifecycle matters for local and global commercial clients.**

DCON Safety Consultants is committed to understanding the specific needs, goals, and desires of each individual client and project. Upon gaining this special understanding, we commit ourselves to the implementation of a design and construction management plan that will meet or exceed these requirements. Our foundation for each project is honesty, integrity, trust, and professionalism.



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DCON Safety Consultants, Suite 5, Fitzwilliam Square East, Dublin 2



# Industry-leading solutions for EWI

**S**WIFIX is a multi-award-winning company that designs state-of-the-art solutions for securing external furniture through External Wall Insulations (EWI). Established in 2016, the range has been increasingly extended, including a recent, winning design partnership with SKY telecommunications for a new product for securing cables and small pipework and with City Fibre, and recent distribution to the EU as seen as a product that is required there.

Here at Building Update, we have been so impressed with SWIFIX, that we have previously awarded it with our External Wall Insulation Company of the Month and coveted Product Innovation Award, for its outstanding industry-leading services. Other prestigious accolades include: The INCA Innovation Award Winner in 2021, and has also been recognised as industry-leading by the wider building & construction industry and energy sector and has won a whole host of awards: The E2 Media Award of Excellence, Award for Innovation from Solutions Publishing and Best Practice Construction Award from Building & Construction Review. The company has also been named in 2023 as a finalist in the, Offsite Awards, Energy Efficiency Awards, INCA Awards and shortlisted in the Oscars of construction: The National Building & Construction Awards.

The Insulated Render and Cladding Association (INCA) is familiar to many in the industry, as the recognised trade association for the EWI industry across the UK. Awards are primarily reserved for exceptional work in the industry.

SWIFIX brings a unique design approach, offering a fresh way of looking at securing external furniture through EWI. Timber pattresses had always traditionally been the preferred manner for securing

the fixing of satellite dishes through to utility boxes upon reinstatement. That was until SWIFIX introduced its genius, design range and became a heavyweight opponent. The Exeter-based company is now part of one of the fastest growing areas across the UK construction industry.

We spoke to Director and Founder extraordinaire: Paul Brown to find out more about this multiple-award winning company, "Our unique design approach has brought robust solutions to market, for securing external furniture through EWI. These include: satellite dishes, rainwater goods, canopies, light alarms, signage, cables, pretty much any item that needs reinstatement."

"We work with a broad range of loyal and new customers from Architects, Local Authorities (LA's) to major contractors and system designers providing surefire solutions for securing external wall furniture, through insulation and cladding, across a range of properties, including retrofit, new build, and the off-site modular sectors."

"SWIFIX are highly recommended by many system designers as a product of choice, due to the fact that by using the solution and the way in which they are installed, they protect warranties and guarantees for the systems installed."

What's more, the SWIFIX range is PAS2035-compliant for quality assurance and with easy installation and added cost efficiency, it's easy to see why they are the leading choice for many customers.

From a quick glance, the innovative products look effortlessly simple in design but as we know from History, even the simplest design takes blood, sweat



and tears. The design was years in the making, including vigorous testing across wind loadings, shear and load testing and the crucial element of thermal loss and heat transfer, until the finished design was completed.

The finished range offers industry-leading, watertight solutions to the devastating impact of water ingress. With its versatile design, it is compatible with many different formats and can hold higher weights.

The cherry on top is the eco-efficient characteristics, made from partially-recycled plastics, with all parts fully recyclable. The packaging is naturally recyclable too, making this a desirable product range, as part of the circular economy.

We're looking forward to seeing which awards SWIFIX wins next!

**For more information, please see below:**  
**T 01884 211540**  
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## INNOVATIVE PRODUCTS TO ENABLE FIXING THROUGH EXTERNAL WALL INSULATION

Our products are one of the most cost-effective solutions to enable the fitting of external furniture through external wall insulation and rain screen cladding, with the added benefit of being designed specifically for the job. Fully PAS 2035 compliant for the future of retrofitting and the Modular housing sectors and the ideal solution for a longer term maintenance provision.

All fittings meet stringent technical requirements by preventing the compression of insulation and providing a watertight seal. They are also approved by many leading manufacturers and organisations developing modern methods of construction to support the requirement for new homes in the UK.

To find out more, please visit [www.swifix.co.uk](http://www.swifix.co.uk), call **01884 211540** or email [info@swifix.co.uk](mailto:info@swifix.co.uk)



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# CheckedSafe App given the green light with Pendle Borough Council

OVER



of compliance excellence

check and now Pendle Council have taken the bold move of mandating the same. We anticipate that other local authorities will watch this with interest and hopefully follow suit.

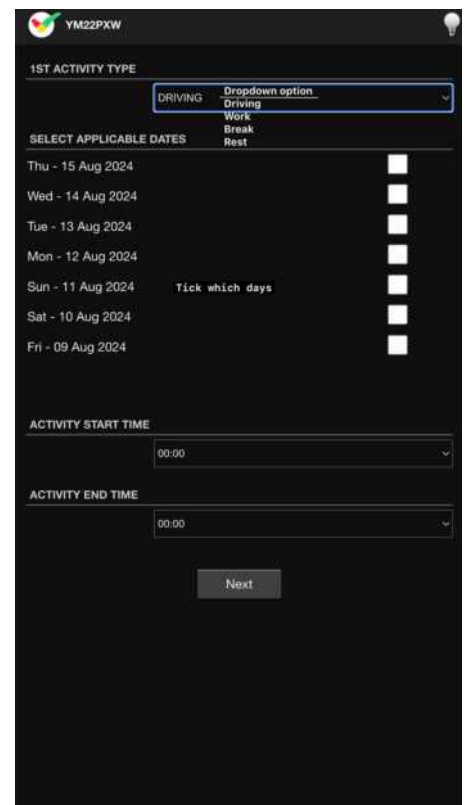
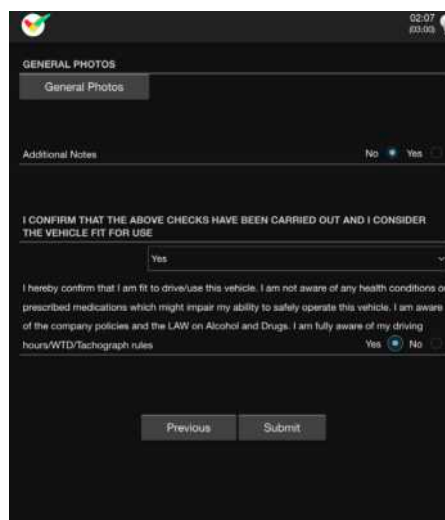
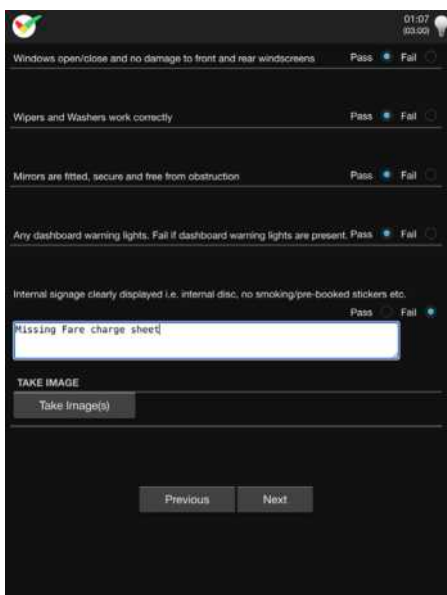
We are also just about to launch our GB Domestic Hours App. We believe that we are the 1st company in the UK to do this – it’s a highly complex area but also very exciting and again a huge industry game changer. Most companies still record data on paper in the W20 books so the move the digital is a huge leap forward.

Finally, we launched our Driver Licencing Checking service last year and had our first audit this year – the auditors told us that we are the only company offering remote licence checking, wherein we read the data on the driving licence by taking a picture of it and parsing the data. The makes the whole process fully remote.

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We are delighted to announce that we have just reached an agreement with Pendle Borough Council wherein the Council have mandated the use of the CheckedSafe App. Now, all Private Hire and Hackney Carriages issued with licences in the borough of Pendle are required, as a condition of their

licence, to undertake a daily walkaround check, using CheckedSafe. This is to improve the standards of the vehicles and importantly it is backed up with the imposition of sanctions if checks are not undertaken or undertaken properly. The importance of this change cannot be overstated. We have been advocating for some time for all such vehicles to be subject to a pre-use daily walkaround





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# IAS: Success at APF 2024 and exclusive new Socage product

Independent 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 of 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, arboriculture, 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:**  
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# Seviour Timber Frames Ltd: Exceptional craftsmanship from a leading timber frame provider

**S**eviour Timber Frames Ltd is a family-run company providing energy efficient timber frames for a full range of applications across the public and private sectors. These include: single houses, social houses, schools, hotels and hospitals.

Based in Bath, Seviour Timber Frames was formed six years ago, built off the back of a previous well-established business and now uses a dedicated timber frame facility for all off-site work.

Timber frames carry considerable advantages and are becoming the go-to products for the building sector. The benefits include enhanced thermal/airtightness/fire-rated performance, design flexibility, speed of building, reduced on/off-site wastage, building regulations compliance, and lifetime cost savings from energy-efficient structures.

With over 25 years' industry experience, Managing Director, Craig Seviour has worked with timber frames since the age of 16 through early apprenticeships. Following that time, Craig has



monitored the evolution of timber frames ever since and the company uses all types of insulation but mainly focus on ACTIS Insulation and H-Control. These products provide better U-value and make it easier to achieve a better airtightness.

Seviour Timber Frames takes great pride in utilising different styles of timber frames, cut and trussed roofs and a wide range of joists to create the perfect build every time.

Seviour Timber Frames provide a complete timber package service: bronze, silver, gold and platinum, alongside a customised timber frame service with the highest quality joists and roofs, with a range of insulation to suit each client's preference, budget and style.

With attention to detail, Craig oversees the entire project management from manufacturing and erecting process through to the timber frame sign off, offering seamless quality assurance throughout.

"We offer Project Managers for builds and/or a Timber Frame Consultant for all company timber frames, so the frame can be overseen and report written by an independent timber frame consultant. For our more independent clients, we offer self-build training for those that wish to build the timber frames themselves. All our timber frames are built off-site, in the controlled timber frame facility. This energy efficient approach ensures the minimum amount of waste, with reduced carbon. Using our off-site facility also speeds up the building process, as we are not impacted by poor weather. This means the timber frames can be watertight in days, rather than weeks," added Craig.

Seviour Timber Frames is synonymous with customer service: with all customers treated individually and

offered real-time communication throughout the project.

"Looking to the future, we're gearing up to expand production due to increased demand, whilst maintaining our client-driven service, with market-leading timber frame builds, delivered on time."

In short, choosing timber frames from Seviour Timber Frames ensures a highly insulated, airtight building fabric, helping achieve energy smart buildings for the future.

**To see examples of past projects or find out more, contact the Craig from Seviour Timber Frames below:**

**T 01225 683625**

**M 07562 596851**

**seviourframes@gmail.com**

**www.seviourtimmerframes.co.uk**



## SEVIOUR TIMBER FRAMES

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### Your Premium Timber Frame Provider

We are a family run company with over 25 years experience in the timber frame sector, this includes all types of builds from single houses, social housing, schools, hotels, and hospitals.

Incorporating different styles of timber frames, cut and trussed roofs as well as a wide range of joists in timber frame packages to give the customer a perfect build.

Seviour Timber Frames use skilled labour to form a complete timber frame construction.



Please visit [www.seviourtimmerframes.co.uk](http://www.seviourtimmerframes.co.uk) or call **07562 596851**



# Be part of the circular economy with recycled plastic products

In this issue of Building Update, we are delighted to select multi-award-winning Kedel Limited for our Best of Britain Award.

It's been a fantastic year for Kedel: with double awards in the Feefo Trusted Service Awards 2024. The Burnley-based manufacturer was the proud recipient of the Exceptional Service and Gold Trusted Service Awards 2024. These awards recognise 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 recognised by the industry and won the 'Best Recycled Plastic Product' at the



National Recycling Awards back in 2015. Since that time, 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 and with a mission to bring sustainable products to the foreground, the trio 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, notice boards, 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." explains Lewis.

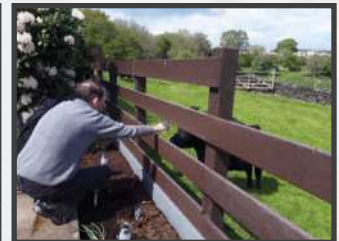
Using recycled plastic not only greatly contributes towards the reduction of carbon footprint, but companies also see a significant reward on their return. Recycled plastic products are rot-proof, with no cost of ownership, no maintenance, labour, material or replacement costs.

That's great news for all end-customers such as Housing Associations - Kedel plastic fencing panels for example, don't need the panel replacements that wooden ones typically need. The full sustainable range of fencing panels are rot-proof and non-absorbent, making them easy to clean. At the first sign of frost, they don't crack and with all the heavy rain we've had across the country recently, they don't crack or splinter. The benches and picnic tables are ideal for educational establishments, providing robust outdoor furniture, without the hefty maintenance price tag.

To find out more about the full product range, click here: [www.kedel.co.uk](http://www.kedel.co.uk)



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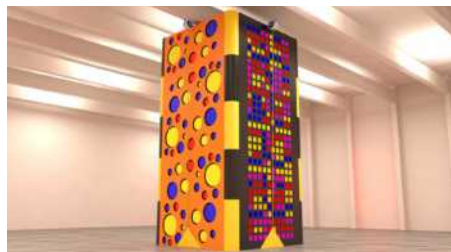
# One-stop-shop for indoor and outdoor sports and leisure spaces

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 aunts, 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:**  
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live, work and sleep. Wallbeds can be used with subtlety and even completed hidden. Built to contract standards, and as well as appearing in an increasing number of homes globally, wallbeds are also gaining increasing popularity in the hotel and hospitality sectors due to their durability and suitability for everyday use.

Wallbeds can also provide additional capabilities such as providing extra storage, integrated seating or a desk. Installation costs are low and especially reduced if installed when completing a full fit out. In furnished apartments, hotel rooms and in tiny or mobile homes, all our models utilise the floor plate very effectively which is essential especially where space is increasingly at a premium, and furniture must be dual purpose. Full drawings are available of cabinet fixings where needed.

Our innovative NeXT Bed™ is an instant wallbed solution used with or without cabinet, immediately installable and useable on arrival, and currently in stock and available worldwide. With a tiny footprint and with fingertip control, the NeXT bed uses the safe spring support system. It can even be part-assembled off-site to further minimise installation time on-site.

The Alpha Bed™ utilises rolled section steel for strengthening the wallbed front panel and includes cross braces to ensure maximum load compatibility whilst never compromising on the perfect balance nor comfort. Our Studio Desk, compatible with the Alpha Bed™, functions as either a desk or side table and integrates directly into the wallbed. Not only does it disappear when the bed is lowered but keeps desk items vertical and undisturbed while the bed is lowered, raised, and in use.



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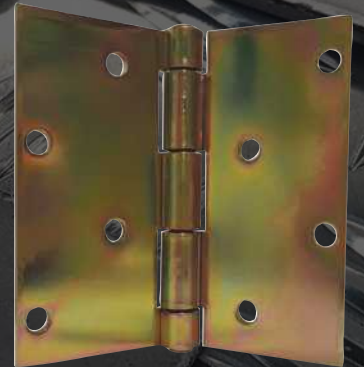
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## Timber



The Company was founded in 1883 by Louis Vandecasteele. In those days, wagon making was the main commercial activity. Desiré Vandecasteele, son of the founder, then added a small sawmill.

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# Introducing the Eco Clipper Electric Mowing Systems

**E**co Clipper offers large area mowers that help field managers minimise mowing costs while producing a professional finish. The Eco Clipper mowing system was originally developed to replace the cylinder mower in turfgrass production. The aim was to retain the cutting performance of a well-tuned cylinder mower, but not the high maintenance requirements and sensitivity to mowing conditions, such as wet grass and weeds.

### The system

The smooth cutting decks with fast spinning small blades ensure a high quality of cut and a good distribution of clippings. Thanks to the electrically driven blades, the mower is very economical and quiet. The large wheels and smart mower deck linking system ensures good contour following and enables high mowing speeds.



### The benefits

Users report high productivity gains and appreciate the low maintenance requirements and the ability to schedule mowing even under less favourable mowing conditions, such as early morning dew and wet autumn, which can often prevent removal of grass clippings.

### The models

Municipalities and sports field and park managers have discovered the advantages of the Eco Clipper mowing system. For them, Eco Clipper now offers two versions: the 4.11m wide EC-FM4 Sport and the 3.43m wide EC-FM343. Both are positioned in front of the tractor, providing excellent visibility and comfort for the tractor driver.

The EC-FM4 Sport has four independent mowing decks, mows till 4.11m wide and folds up to 2.5m width. It only needs 50hp, but fits best to small size agricultural tractors. To meet the demand for more lightweight mowers suitable for most park tractors from 40hp upwards, the Eco Clipper FM343 has been developed. This three-part Eco Clipper front mower cuts 343cm wide and folds to a transport width of 170cm. As with the larger 411cm wide EC-FM4, electricity is provided by a PTO-powered generator behind the tractor.

**For more information, please see below:**  
[info@ecoclipper.com](mailto:info@ecoclipper.com)  
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# Pioneering excellence in the Rope Access industry



Innovate Access Solutions (IAS), established in 2020 by former colleagues Rob Foyle and Alf Taylor in Manchester, has rapidly emerged as a prominent leader in the Rope Access Industry across the UK. With over 25 years of combined professional experience, Foyle and Taylor have steered the company to remarkable growth, now operating additional offices in Darlington and High Peak. IAS's unwavering commitment to excellence is reflected in its prestigious accreditations, including SafeContractor, and ISO 9001, positioning them as a trusted name in the North West and beyond.

Highly skilled abseilers are indispensable in the industrial industry due to their ability to safely, efficiently, and effectively manage tasks in challenging and high-risk environments. We spoke to Alf Taylor, who elaborated on the extensive expertise and experience that he and Rob bring to the industry.

"Both Rob and myself have been working on the ropes for over 15 years, and are extremely competent in all facets of access within our trade. It is our skills in site management that we have gained over the years that enable us as a company, to run projects so successfully. Rob is highly experienced in working in the industrial sector, and has always excelled in finding access solutions within the hot and tricky environments of power stations. He has the ability to find access into the hardest to reach places, whilst maintaining immediate access to his operatives in an emergency. I have refined my expertise in project management and collaboration with various trades to minimise site disruption and keep projects on track. I have successfully managed teams of up to 20 rope technicians, ensuring smooth operations and timely completion of projects."

IAS provide access solutions to a wide variation of clients within the construction, industrial and commercial sectors. Its main speciality lies in giving clients access options that enable them to complete



their projects when other conventional means of access are not suitable. IAS provide skilled operatives to complete many facets of work which can be anything from industrial cleaning and painting, to glazing and heavy steel installation, as well as signage installation, inspection and survey works.

Despite launching in the first year of the COVID-19 pandemic, IAS has achieved consistent year-on-year growth, building an impressive portfolio of high-profile clients such as Dublin Airport and British Gypsum. This success underscores its unwavering commitment to a client-focused approach in every contract. "We will never waver on our health and safety commitments to ourselves or our subcontractors – we are a premium company that provides quality and assurance to every client."

Alf continued, "Ashleigh Signs was our first client, and are still our most prolific client. Rather than just being a contractor that carries out site work, we have built a close working relationship that has led to us to getting involved right at the early stages in some of their larger projects. We attend the preliminary site visits with Ashleigh Signs and their clients, and if required, provide input in the manufacturing stage of their products. This helps to ensure that the complexities of rope installation are understood and taken into consideration."

IAS adopt a customised and tailored approach for every client, ensuring that their specific needs are met from the initial contact through to the completion of

the project. Alf Taylor and Rob Foyle are hands-on and actively involved at every stage. "We always meet with clients to establish our main focus, which at the beginning stages is to gather all the necessary information regarding site-specific health and safety requirements, exclusion zone specifics, third-party protection, and any working restrictions," Alf explained.

Although IAS has only been established for four years, its steady growth is paving the way for a promising future. "Our plan is to maintain this steady growth and expand the company to secure a future for our families. We also aim to provide well-paid, stable jobs for our friends in the industry and to develop into a highly regarded, premium access solutions company that outlasts us. We have worked extremely hard to build a business that reflects our reputations as subcontractors. We would also like to extend a special thanks to our Office Manager, Hannah. Hannah joined the team in 2022, at a time when Rob and I were spending nearly as much time on paperwork as on-site. She has since streamlined all our behind-the-scenes processes, ensuring everything runs smoothly. We honestly don't know how we would have managed without her," stated Alf Taylor.



For more information about IAS's services and future initiatives, please visit the IAS website below:  
**T 01618 505059**  
[info@innovateaccesssolutions.co.uk](mailto:info@innovateaccesssolutions.co.uk)  
[www.innovateaccesssolutions.co.uk](http://www.innovateaccesssolutions.co.uk)

# Sustainable industrial hand products: Protecting workers and the planet

Hand protection is crucial to not only keep hands safe but also to make tasks easier and more efficient. From electrical protection, hand-arm vibration, to hot thermal and mechanical protection, choosing the right gloves mitigates against a range of factors like chemicals, extreme temperatures, toxicity, biological hazards and much more.

All Manosun hand protection products are manufactured and certified to the highest CE and UKCA standards, safeguarding complete end-customer reassurance. Founded by NEBOSH-certified Steven Patterson, Manosun offers comprehensive FOC site-surveys to determine industrial risks and determine the level of hand protection needed.

Established in 2020, in South Shields in South Tyneside, this leading company offers an extensive range of hand protection products to leading brands such as Nissan, JDR Cables, SUEZ, as well as emerging SMEs. With an eye on innovation, Manosun offers a range of core industrial hand protection for any application.

The Manosun range is manufactured by a leading Chinese partner, where product development works hand in hand with yarn innovation under one-roof. The market-leading ARC Flash range for example, are flame-resistant, certified and approved, protecting workers from ARC, flame, heat and cuts. The breathable fabric keeps hand comfortable in extreme conditions across power generation, utility, industrial electrical, rail and solar sectors.

Synonymous with quality, service and value, Manosun takes great pride in offering exceptional products,

with built-in longevity but also sustainability best practice, "We're helping to look after the planet with our range of sustainably sourced gloves. Each pair of general hardy gloves contains rPET from recycled plastic materials to make industrial polyester: equal to 36% recycled material. It's a streamlined manufacturing process: we collect post-consumer waste, grind it into small flakes and wash and dry. The material is then chopped into pellets, melted and stretched into fibre and spun into yarn. We've had the gloves independently verified by industry experts and were delighted by the endorsing results."

"For any SME in PPE supply trying to source greener hand protection products, we are one step ahead of the crowd." explained Steven.

It's busy a busy twelve months for Manosun: successfully attending the NSC Orlando and North East Automotive Alliance Expo, on the back of the launch of the Manosun BASIC range.

From ARC, Impact, FR. CUT and general handling applications, Manosun provides durable products for a range of industries including utilities, oil & gas, electronics and automotive, to maintenance, hot handling, circuit boards, and renewable energy.

With the UK's offshore wind capacity continuing to grow, as part of the wider bid to reach Net Zero in 2050, Manosun supplies leading Impact-Resistance Offshore gloves, in line with BSIF. The extra flexibility



and dexterity design properties ensure minimal hand fatigue, and because of its 360° breathe technology, all products have the ability to keep hands cool while working.

For the construction, scaffolding, assembly, logistics, aerospace, cleanroom, laboratory, engineering, manufacturing, and circuit board sectors, the EULX10X20 from Manosun provides a popular, versatile choice, now with extra thumb reinforcement. From delicate tasks to heavy-duty work, this product has been given the thumbs up from end-users. With multiple washability, reinforced crotch, latex coating, polyester lining, these gloves keep hands cool under pressure, providing a strong grip in all weather and prevents hand fatigue.

"Looking ahead to the New Year, we are aiming to expand our staff base locally in the North East, nationwide and further afield in the USA. Manosun is a member of the North East Network, helping promote and support businesses across South Tyneside. This extensive directory acts as a regional sales boost, endorsing each other and putting the North East firmly on the map."

**For more information, contact Director Steven Patterson:**  
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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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Service Sealing Solutions Ltd provide a number of different sealing solutions across the UK to both the public and private sectors. As the sole UK distributor for the sealing industry's top manufacturers; DOYMA and HKD, Service Sealing Solutions Ltd specialises in high-quality service duct sealing systems for utility services and watertight seals.

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<sup>®</sup> 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.

For more information, please see below:  
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Spanning across almost 70 countries, the company's global customer base encompasses multiple industry applications including: pharmaceuticals & biotech, manufacturing, mining, chemicals, food & beverage and oil & gas, demonstrating that Control Station is at the forefront of the process analytics field.

In the USA, Control Station operates from Manchester in the state of Connecticut, with the second Irish base in Roscrea in County Tipperary managing the European, Middle



East and African markets (EMEA).

Looking to the future, sustainability will be an ongoing dominant driving force across all the solutions in software and service. This is evident in how the digital lifecycle solutions already standardise work practices, save resources, reduce waste, and minimise energy consumption.

**For more information, please see the website below:**  
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## Industrial Processing



Passion for perforation

### Industrial Processing

Industrial Processing includes a vast range of potential applications for perforated products. RMIG Solutions has extensive experience in the chemical, pharmaceutical, paper, and offshore industries, to name a few. From small, high precision perforation in thin materials to large holes in thick sheets used in the mining industry, RMIG Solutions has the knowledge, versatility, and tooling to deliver products according to customers' requirements.

One particular area of Industrial Processing is dealing with waste water. The water industry presents a number of unique challenges in the use of perforated products. A key consideration here is the aggressive nature of the water towards the materials being used. RMIG Solutions has vast experience in servicing the waste water industry, and produces high flow, burr-free perforated waste water screens, offering accurate screen tolerances and effective separation.



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# Soyang to demonstrate its media and hardware options at The Print Show



Print Show because we've got such a vast range of media and hardware options. We want to be seen to be supporting the industry and we want to show everyone what we have to offer.

"The big push will be on the sustainability side of the media, so we have textiles made from recycled yarns and we have PVC-free banner materials which are

becoming more and more popular. It's certainly a growth area in the industry and is something we'll keep developing moving forward."

On the hardware side, Soyang Hardware will be showcasing Mimaki's latest direct-to-film printer, the TxF300-75 along with a shaker unit. Designs will be pressed on the stand using a heat press to demonstrate the full end-to-end process.

Other products will also be demonstrated such as bottle openers, showing the vast range of applications possible.



Written by  
**Ella Faulkner,**  
Internal Sales

Also on show will be UV roll-to-roll and solvent roll-to-roll machines as well as a Bubblefree flatbed application table of which Soyang is the exclusive UK distributor for.

Sarah Fenna, sales director of Soyang Hardware, adds, "We're really looking forward to being at The Print Show this year. It's going to be great to be back at the NEC and we have some new products to show everybody!"

"The Print Show is a great opportunity for us to reach a wide range of customers, with it being a local show. So therefore we've chosen to bring a mixture of machines along which will hopefully suit everyone's requirements."

You can find the team on Stand E01.

**Contact**  
T +44 (0)195 423 2564  
hardware@soyang.co.uk  
<https://soyang.co.uk>

Last year, the company acquired Josero, bringing hardware under the Soyang brand as Soyang Hardware. As a result, the company is able to demonstrate its own media on the hardware it supplies.

Soyang will be showcasing a range of materials for UV, solvent, eco-solvent, and dye-sublimation. The company also offer environmental solutions such as textiles made from recycled yarn and PVC-free banner materials.

Andrew Simmons, sales director of Soyang Media, comments, "We chose to exhibit at The

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# CML readies itself for a surge of new market opportunities

CML 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**  
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# A cut above the rest

In this issue of Industrial Solutions, we are thrilled to feature CAMB Machine Knives International for its Company of the Year 2024 in consistently supplying high-quality knives to the global machine knives industry.

Established in 1989, CAMB Machine Knives has served a broad range of industries for many years. From initial start-up to present day, CAMB has grown significantly boasting an international reach with a network of exporters and carriers and offices and agents based in Europe, New Zealand, South Africa and many more countries.

However, it has not always been plain sailing for the company. CAMB has overcome many challenges to remain the industry's best and this award only serves as benchmark to its excellence and continuous improvement through adversity.

We spoke to Neil Chapman, Technical Director at CAMB Machine Knives, who we believe has shown great courage amidst adversity over the past 12 months.

Neil explained that he and Darren were made the new company directors while the founder/owner Jerry Milner resigned in November 2022. Unfortunately, in June 2023, Jerry passed away. "Jerry was more than just a boss to everyone who worked here; he was a friend and a mentor. Now, we have big shoes to fill."

Through hardship, Neil and his team have done extraordinarily well to successfully steer the company forward and to achieve a record-breaking year. "Our forecast was conservative as there has been an increase in sales for the last few years due to COVID-19 and the uncertainty of businesses staying open during lockdown. We found many customers wanted to keep stocks on-site therefore, sales increased and we expected this to return to normal and sales decrease a little," added Neil.

Since the unfortunate passing of Jerry, Neil was appointed as Director alongside Darren Hitchings, who between them, have a combined 40 years of experience in offering the same high-quality service to customers around the world. Together, they have worked hard to boost employee morale and attract new business since Jerry passed.

CAMB produces an extensive range of high-quality machine blades for all industries that come in many different types, including: Circular Knives, Special Shape Knives, Top Dished Knives, Bottom Knives, Toothed Knives, Guillotine Knives, Granulator Knives, Confectionary Knives, Tray Form Blades, Anvils, and much more, from the food industry to reclamation.



"We hold a lot of stock consisting of over 500 different knives, mostly for the poultry and food industry. This means we can accommodate custom orders that require quick lead times by modifying our blades for a specific use case. We also supply circular Microteeth knives for the poultry industry, and testing has shown our wear resistance is very good and with very competitive pricing," added Neil. These knives, in reference, include Circular Scalloped Microteeth Knives and replacement knives for many makes and models of machines.

With lots more in store for the company in 2024 and beyond, Neil explained some of their short and long-term goals. "In the short term, we are reviewing every process to help us streamline processes. In the long term, we want to invest in new machinery to expand our machining capabilities. We are extremely honoured to receive such an award, thank you. It is great to see our hard work over the last 12 months has paid off and getting the recognition the staff deserve."

For more information, please see below:  
**T 01454 322178**  
**sales@camb-knives.co.uk**  
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## CAMB MACHINE KNIVES: "A Cut Above the Rest"

### QUALITY IS OUR GUIDING PRINCIPAL

With over 34 years of experience supplying the machine knives industry, CAMB Machine Knives was established in the UK in 1989 and aimed to provide consistently high quality knives and service to a broad range of industry sectors. Based on these guiding principals, CAMB Machine Knives has flourished and grown throughout Europe, USA in 25 countries worldwide establishing a reputation for high quality products and service.

### CAMB MACHINE KNIVES INTERNATIONAL REACH

CAMB Knives International really does have an international reach with a network of exporters and carriers - with offices both in the UK along with agents in Spain, Netherlands, Italy, Germany, South Africa and many more so you'll never be far away from a CAMB Knives representative.

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**Email: sales@solware.co.uk | www.solware.co.uk**  
**Unit 1, Tame Valley Business Centre, Tamworth B77 5BY**



# Hat-trick Award for Davies Turner Group

For 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."

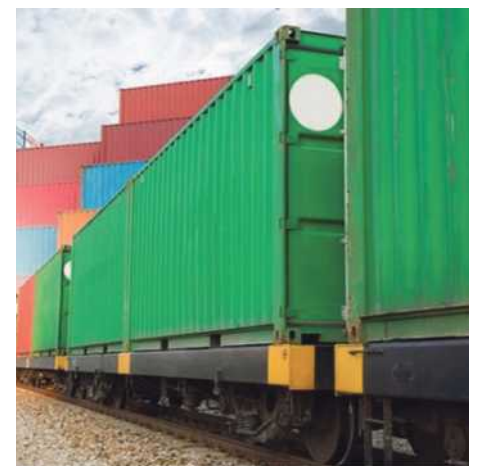
"We have had a good start to this fiscal year, which was surprising with the current downturn in world trade. Our short-term plan

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.

Davies Turner offers a light at the end of a gloomy tunnel with its express freight rail service and its extensive European overland portfolio with direct groupage, part load and full load trailer services. Customers can choose between express transit and super-express options, in a thoroughly streamlined system.

**For all transportation quotations and further information, please see the details below:**  
**T 01709 529709**  
**rotherhamsales@daviesturner.co.uk**  
**www.daviesturner.com**





# Take sound to the cloud with Quantum from Cirrus Research

For 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 measurement

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 side-by-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 cloud-connected 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 through 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 monitoring devices, and can also be used with other instruments such as the Cirrus Research Environmental Noise Measurement Kits.

**Contact**  
**T +44 (0)1723 891655**  
**sales@cirrusresearch.com**  
**www.cirrusresearch.com**


## Recommended Supplier Directory

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### Noise & Vibration Measurement





We manufacture and supply high-quality acoustic measurement instrumentation. Cirrus Research is dedicated to the prevention and eradication of noise-induced hearing loss and environmental noise pollution.

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**www.manosun.co.uk**



# JOIN US FOR FAMILY-FRIENDLY EVENTS THROUGHOUT THE YEAR AT RUTLAND FARM PARK. FUN FOR EVERYONE!

## OCTOBER HALF TERM SPOOKY HAPPENINGS

Dressup in your spookiest outfit for Saturday 26th & Sunday 27th.

We will have:

Face Painting

Hunt the Witch

Hoop the Witches' Legs

Apple Bobbing

Scavenger Hunt

Spooky Rock Hunt

For a free bag of animal food.

From £8.00



## ADVENT CALENDAR WORKSHOPS (BOOKING REQUIRED)

Tuesday 29th October:  
10.30-12.30 & 2.00-4.00

Come and make an advent calendar ready for the festive season – gives you plenty of time to shop for festive treats to pop in your unique creation. Young children will need adult help.

From £7.95

## CHRISTMAS WREATH MAKING WORKSHOPS (BOOKING REQUIRED)

Friday 29th November: 7.00-9.00  
Saturday 30th November: 2.00-4.00  
Sunday 1st December: 11.00 – 1.00

Come and make a festive wreath using a variety of local and seasonal greenery, enjoy a drink and sweet treat as you create some Christmas magic to proudly place on your front door.

Please bring gardening gloves and secateurs.

From £50pp



## ADVENT RING FOR ADULT & CHILD (BOOKING REQUIRED)

Saturday 30th November: 10.30-12.30

Enjoy some quality time together as you create a festive advent ring with candles using a variety of local and seasonal greenery.

All ready to light the first advent candle on Sunday. Enjoy a hot drink and sweet treat as you create some Christmas magic.

Please bring gardening gloves and secateurs.

From £45

## FESTIVE CRAFT MORNING FOR UNDER 5'S

1 ADULT AND CHILD  
(ADDITIONAL CHILDREN £5.95 BOOKING REQUIRED)  
Wednesday 12th & 19th December: 10.00-12.30

Join in the craft fun Hats, crackers, tree decorations, masks And lots more. Includes a hot drink and cake for each participant (10% off meals if you stay for lunch).

Under 5's £9.95

## BREAKFAST WITH SANTA (BOOKING REQUIRED)

Saturday 14th & 21st December: 9.00-11.00

Enjoy a home cooked breakfast with Santa, before each child meeting Santa and receiving a small gift. Spend the rest of the day exploring the farm and meeting the animals.

From £14.95pp



## AFTERNOON TEA WITH SANTA (BOOKING REQUIRED)

Saturday 14th & 21st December: 2.00-4.00

Finish a fun day at the farm with our homemade afternoon tea in the festively decorated pigsty with Santa. Each child will meet Santa and receive a small gift.



Please visit [www.rutlandfarmpark.co.uk](http://www.rutlandfarmpark.co.uk)

Contact 01572 722122 or email [info@rutlandfarmpark.co.uk](mailto:info@rutlandfarmpark.co.uk)

