

INDUSTRY UPDATE

January 2024 | issue **253**

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CheckedSafe: Paperless defect reporting & fleet maintenance

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Industry Update covers a range of activities in the UK market – from publishing to training, from exhibitions to general updates. Our aim is to reach genuine buyers within the UK. With exciting and insightful updates in the UK industries, Industry Update covers a huge range of marketing possibilities and provides a fantastic service with cost-effective prices to promote your products and services.

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Fleet Innovation
of the Year 2022



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of the Year 2022



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Parcel network implements yard management system

Austrian Post has selected Inform's Yard Management System (YMS) for its Yard Excellence Tool Integration (YETI) project for deployment to ten sites across its parcel network in Austria.



INFORM WILL deliver its Syncrotest YMS to the sites enabling them to digitalise and optimise yard operations, driving down costs and increasing productivity.

Markus Sekula, Austrian Post project manager at Inform's Terminal & Distribution Center Logistics Division, says, "Our YMS solutions have very specialised features for post and parcel operators, allowing them to drive strong ROI in an even shorter period of time when compared to general YMS solutions."

YETI Project Manager at Austrian Post, Andreas Brenner, commented, "Inform was ultimately selected because of the combination of their team's rich experience and their YMS being a proven solution already in use with other national post and parcel operators."

New features that have or will be added to the solution include a new mobile application for gate and driver operations, the implementation of time slot management (appointment system), and a rules engine adding another level of decision-making support within the system.

Inform started the project in March 2022 and successfully delivered the pilot site in May 2022. In September 2022, the first new feature was delivered, completely modernising the way gate operators engage with the system via mobile devices instead of a more traditional PC user interface.

www.inform-software.com

SADS UK's cabinets provide equipment to save a life



A severe bleed kit is for someone losing a lot of blood



- 6" Emergency trauma bandage
- 4" Emergency trauma bandage
- Wounddot Z-fold bandage 8x100cm
- Nitrile gloves (1 medium, 1 large)
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- Whistle



A defibrillator helps someone who has collapsed and is in cardiac arrest



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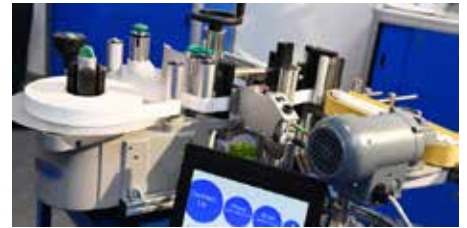
St John
Ambulance
Cyprus

Packing Innovations Empack 2024



packaging industry.

PI Empack 2024 will host three stages: The Innovation & Design Stage; The Supply Chain Stage; and The Circular Economy Stage. The 2023 show welcomed a brand-new zone: the Foodservice Packaging Zone, and it is back again this year! In partnership with the Foodservice Packaging Association (FPA), the new zone will focus on packaging solutions for the ever-growing on-the-go-sector.



colleagues, contacts and create new partnerships. There will be suppliers across a range of packaging products and services from design to contract packing and e-commerce fulfilment. Attendees at PI Empack 2024 will also have the chance to engage with a diverse and influential group of industry experts, suppliers and innovators, as well as exchange ideas and thoughts with like-minded industry professionals.

Coming soon to the NEC in Birmingham from 21-22 February 2024, PI Empack is the UK's essential annual event driving business and innovation across the whole packaging journey.

Each year PI Empack offers the chance to see, feel and use some of the newest innovative products up close as well as to hear and join discussions on some of the latest trends and issues affecting the

The Packaging Trailblazer's Award will once again feature, recognising new people to the sector highlighting what they have already achieved and showcasing their potential. "...Celebrating these individuals should be an inspiration to others and the next generation – who are the future of the industry." – Ian Roe, Director at Mercury search & selection.

Register now for Packing Innovations & Empack 2024.

www.packagingbirmingham.com/the-events/empack/

It will be a fantastic opportunity to meet with



Cutting-edge flexo printing consumables

BFS Pressroom Solutions, the UK's leading print roller manufacturer and supplier of innovative pressroom consumables, equipment and services, proudly introduces its latest line of state-of-the-art flexo printing products at Packaging Innovations/EMPack 2024.

Designed with precision engineering and cutting-edge technology, BFS manufactures in the UK as well as partnering with world-leading

product manufacturers to offer its customers a unique advantage. These innovative solutions allow its customers to enhance efficiency, and improve print quality, with unparalleled choice, for a wide range of applications.

"We are excited to showcase our latest flexo printing products and services, from our own manufacturing facilities

as well as key Worldwide partnerships, including MATHO label matrix extraction, Kelva web cleaning and Recyl's unique manual anilox cleaning plus much more..." said Robin Hope, Managing Director at BFS Pressroom Solutions. "These solutions embody our dedication to providing our customers with the tools they need to stay ahead in an ever-evolving, and competitive industry."



BFS Pressroom Solutions invites industry professionals to visit us on **Stand D106**

to explore its comprehensive range of flexo printing products or join us for further updates via Linked In as the company continues to bring cutting-edge innovations and unmatched expertise to the UK Printing and Packaging Industry.

T 0118 930 5999
www.bfs-pressroomsolutions.co.uk

Fudge Printers exhibiting at PI Empack

Fudge Printers of Liverpool is one of the UK's largest independent family run business that has accumulated over 50 years experience in the printing trade.

Our range of bespoke equipment allows for the decoration of different shaped objects using a variety of printing methods, ranging from screen printing, hot foiling and tampo pad printing.

- We can print on:
- ▼ Bottles
 - ▼ Jars
 - ▼ Tablet containers
 - ▼ Pots & tubs
 - ▼ Tubes
 - ▼ Closures

We deal direct with a variety of industry sectors from cosmetics, pharmaceutical and food to a variety of private and industrial sectors and are proud to have developed a close relationship with the NHS, providing a high quality printing service.

In a consumer-driven environment distinctive high quality packaging is vital, using our knowledge and experience we will advise and help you



achieve the perfect printing solution where quality and style will help you stand out in the crowd.

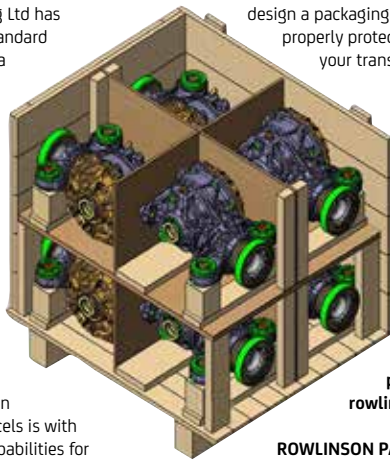
- Our full range of services:
- ▼ Screen printing
 - ▼ Tampo pad printing
 - ▼ Hot foiling
 - ▼ Design & origination
 - ▼ Spray coating
 - ▼ Product sourcing

Find us at the NEC on 21-22 February (Stand T94), or contact us today:
T 0151 298 9080
info@fudgecosmetics.co.uk
www.fudgecosmetics.co.uk
www.instagram.com/fudgeprinting_uk

Beyond the box: Bespoke timber packaging at Rowlinsons

Since 1966, Rowlinson Packaging Ltd has designed and manufacturing standard and bespoke timber packaging for a diverse range of industries across the UK. Operating from sites in both the North (Cheshire) and South (Norfolk) the family-owned business has over 50 years of experience in providing quality and affordable timber packaging to key players in industries from automotive to agricultural and many more.

With a standard range of Cases, Pallets, Warehouse Containers and Potato Boxes your product is suitably packaged for transportation and storage. Where Rowlinsons excels is with their design and manufacturing capabilities for bespoke timber packaging. Using CAD software the team of experienced engineers work with both clients and the R&D department to develop packaging solutions that meets your product's specific requirements. Whatever your packaging needs, here at Rowlinson Packaging Ltd we can



design a packaging solution to ensure your product is properly protected without inflicting high costs to your transport and storage operations.

Rowlinson Packaging Ltd is ISO certified in both Quality and Environment so you can be sure that your products will be shipped around the world in strong and robust packaging made from sustainably sourced timber.

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Come see us on Stand A100.



Micro Delta Packaging

MDP is a family run business that thrives on our motto "big enough to cope, small enough to care". We believe in our customers and their visions. Consistency of customer care is at the forefront of our service. We want to be there with our customers from their first small order until their big repeat orders.



We supply packing and products to retail, cosmetic industries, health sectors, the NHS and many more.

We value our customers new and existing, big, or small. All our customers will receive the same level of service and we will work closely with them at all points to help grow their business, your vision is our vision.

We pride ourselves on a quick turnaround for quotes, samples and advice. We are set apart from others due to our diligence in making sure we understand every brands uniqueness and do all we can to help them achieve their end goal

When you win, we win and we love to see you win!

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Visican: Innovative packaging since 1979

Visican is a British cardboard tube manufacturer located in Birmingham, the heart of the West Midlands. Manufacturing directly from our 56,000 square feet facility we produce and provide bespoke cardboard tubes to companies near and far and to businesses of all sizes; from startup enterprises to multinationals such as Selfridges, Harrods, Budweiser, Cloetta & Hotel Chocolate.

There are a variety of styles available, including all card options as well as tubes with metal or plastic closures. All of which are perfect for bottles, candles, confectionary, and much more. Regardless of the style, our tubes are made with the same high-quality finish that will ensure that your product is protected and presented in the best light possible.



Our team is looking forward to meeting as many of you as possible at Packaging innovations Birmingham 2024. Located at **Stand S52**, we will be bringing with us a wide selection of new and exciting products for you to see.

Can't wait for the show? Give us a call on 0121 359 8800 or visit: www.visican.co.uk and our experienced sales team will be on hand and delighted to take your enquiry.

Harlequin Print Group

Harlequin Printing was established in 1997, since then a lot has changed and we are now a leading producer of high quality retail cartons. Harlequin Print Group, as we are now, has divisions specifically to produce market leading material in Retail Packaging, Digital Print, Signage and Design.

We are a 'AA' rated BRC company who constantly strive to improve our quality and efficiency while at the same time as keeping cost competitive in-line with the service our customers have grown accustomed to.

We have specialist Bobst glue lines which can

handle 2, 4 and 6 corner glue trays as well as nesting tray manufacture – all in-house. This is on top of a B1 workflow using our Speedmaster Press and Bobst Platen Die Cutter.

Specialists in producing environmentally friendly packaging we aim to, where possible, eliminate



the use of plastics in retail packaging by offering cardboard and bio plastic alternatives to plastic for inserts and window patches.

When you choose Harlequin Printing & Packaging you are choosing a UK based family business which has earned its place within the marketplace with our work ethos of quality, versatility and customer relations.

Come see us on Stand J112.
Contact: Neil Ford, Packaging Director
T 01443 222219
info@harlequinprintgroup.co.uk
www.harlequinprintgroup.co.uk

Packaging Innovations German made – UK established

Papier Sprick is your reliable partner for paper-based packaging. Faster workflows, easier operation, better product protection or becoming more eco-friendly: we provide you with a one-stop solution for machines and material. In addition to high-performance standard frames, we also offer customised integrations that are specially tailored to your process. With locations throughout the UK, we guarantee reliable service and expert advice.



Image: Papier Sprick GmbH & Co

A selection of our packaging innovations will be on display at the Packaging Innovations & Empack Show: In addition to the Speedman® system line for on-demand void fill, we will be showcasing the Paperjet® system line for reliable cushioning. Our compact filling and cushioning systems are easy to integrate into the packaging process thanks to their versatile frame options. The PaperJet® is the fastest paper

cushioning system on the market and provides short set-up times and fast output.

With the VariMailer® Pro, we offer a solution for automated packing and labelling of mailing products. The system is capable of significantly increasing performance and output, as well as enabling efficient use of labour.

We are looking forward to welcoming you. Feel free to get in touch with our trade fair team for an individual consultation at our Stand C86 or visit: www.papier-sprick.de/en

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21-22 FEBRUARY 2024
STAND C 86**

EMPACK
National Exhibition Centre, Birmingham

The Navigator Company presents its packaging brand gKRAFT



The Navigator Company will exhibit at Packaging Innovations, at the NEC in Birmingham, 21st to 22nd February 2024. The UK's essential annual event drives business and innovation across the whole packaging journey.

By showcasing its packaging range – gKRAFT, the company aims to present its solution to the plastic crisis: a kraft paper alternative that accelerates the transition to the use of natural, sustainable, recyclable, and biodegradable fibres.

Making the most use of its extensive knowledge of the advantages of Eucalyptus globulus fibres, The Navigator Company introduced gKRAFT with three sub-brands: FLEX, BAG and BOX, covering a wide range of business needs.

With the use of virgin fibres, this high-quality packaging solution offers an extra smooth finish and superior printing quality. It is also a safer and more hygienic option compared to recycled paper, which can contain harmful quantities of chemicals. However, even among its virgin fibre peers, gKRAFT has a competitive edge, as it enables more recycling cycles whilst using less wood volume per tonne of paper.

All in all, gKRAFT is a valuable asset for brands wanting to show their consumers a clear commitment to the environment.

Scan the QR code to register for the event and then visit The Navigator Company's booth at **Stand R10** and learn more about gKRAFT solutions.

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g

WE'RE TURNING PACKAGING INTO A FORCE FOR CHANGE

Get ready to elevate your business with gKRAFT, a smart cellulose-based packaging paper solution made of virgin *Eucalyptus globulus* fibres. With outstanding performance and excellent printing quality, it ensures perfect functionality and all the safety and hygiene your products require. It offers more recycling potential, while taking less wood volume per ton of paper. Together, we're making the change from fossil to forest. ■

gKRAFT
EUCALYPTUS GLOBULUS PAPER

NAVIGATOR

Visit our website or contact us to start planning your packaging now with gKRAFT. www.gkraft.com

Berlin Packaging UK Ltd

Berlin Packaging UK Ltd is the British operating company of Berlin Packaging EMEA, the world's largest Hybrid Packaging Supplier® of glass, plastic and metal containers and closures.

The company represents a One-Stop Packaging Shop that brings together the best elements of Design & Innovation, Manufacturing Services, and Customer Solutions for the packaging industry. Berlin Packaging is the only player who can offer such a complete range of services and support for clients during the entire packaging cycle.

With 100+ years in the packaging industry, 1,700+ packaging professionals and a global network of suppliers and warehouses. Berlin Packaging provides packaging and services to customers all over the world and serves a wide range

of ends markers: food, beverage, personal care, beauty, OTC, pet vet, pharmaceuticals, industrial, home fragrance and others. It offers the latest and most suitable packaging solutions that are able to fulfil any need.

Berlin Packaging's specialists constantly scout for the best partners to source top-quality glass, plastic and metal packaging and closures, offering more than 40,000 items worldwide. They optimise the storage, management, and shipping of our

customers' products thanks to an extensive distribution network made of more than 130 locations and a first-class inventory management system.

Come see us on Stand x.
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Wepack: Your reliable end-to-end co-packing solution provider

Wepack Limited has more than 30 years of providing reliable co-packing service to businesses worldwide. Our dedication to quality and customer satisfaction has allowed us to become a trusted partner in the contract packing industry.

We have a dedicated and experienced team who are capable of handling projects of any size and complexity. We have several clean rooms and our state-of-the-art facilities are equipped with the latest technology and equipment to ensure that your products are packaged efficiently and effectively. We are accredited to AA Grade BRCGS Certificate, Soil Association Organic, FDA and ISO 9001, reflecting our commitment to providing sustainable and ethical products.

Our packing solutions include bottling, sachet and pouch filling, and hand assembly/rework projects. Commodities we work with include food products, cosmetics, household, agricultural and high-end consumer goods. Our clients



find it very comfortable to work with us because of our reliability and stability.

We offer packaging design and advice on style and artwork to ensure that your products are visually appealing and eye-catching, nicely display on the shelf.

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Test & Measurement Update

New SMARTCASE™ S730 kit solution: The compact power package for versatile applications

SMARTCASE™ S730 for use in digital signage, KIOSK and POS/POI applications

Kontron, a leading global provider of IoT/Embedded Computer Technology (ECT), introduces the new SMARTCASE™ S730 kit solution, characterised by its compact and elegant design. This case kit serves as the successor to the well-regarded SMARTCASE™ S711 and is purpose-built for the D3713-V/R and D3723-R mini-ITX motherboards, powered by AMD Ryzen™ Embedded V/R1000 and R2000 processors. The new K3931-N mini-ITX motherboard, which supports the latest Intel® Core™ i3 processors and Intel® N-series processors (Alder Lake N), will also be available.

With its abundance of DisplayPort interfaces and integrated AMD Vega graphics or Intel® UHD Gen12 graphics, the S730 is particularly well-suited for graphics-intensive applications such as digital signage, casino gaming, KIOSK, POS/POI and the medical field. Featuring a minimum 7 year availability and a wide input DC range from -10° C to +70° C, it is also ideal for industrial applications.

The SMARTCASE™ S730 has a dual front USB 3.2 Gen1 port, along with an array of USB/GbE and COM ports on the rear. This compact mini-ITX case is equipped with a slot that can accommodate either low-profile PCIe



expansion cards or an internal AC adapter. When using the K3931-N motherboard, a USB 3.2 Gen2 Type-C extension is also available. Another notable feature of the SMARTCASE™ S730 is its adaptability, allowing for both horizontal and vertical orientation, facilitating flexible integration into different environments.

A comprehensive range of accessories is available for the S730. It can be optionally equipped with active and passive coolers, cables, an internal 65W PSU, expansion cards, and adapters. This flexibility enables Kontron customers to assemble a Box PC tailored to their individual requirements and market it as their own system solution. The case also provides ample space on the front for customised logos.

As with all SMARTCASE™ chassis kits, the housing, motherboard, and cooling solution are optimally matched and climate-tested as well as CE-certified at system level.

Kontron's SMARTCASE™ S730 has been available since October 2023.

www.kontron.com/en/products/smartcase-tm-s730/p180684

Beyond the press: Harnessing business growth

Thanks to the brilliant imagery it creates, the print industry and social media have long been natural bedfellows. But what's the best way for your print business to use social media? Here's the Soyang guide.

Whenever there's a conversation about print shop marketing, you can bet the mention of social media won't be far behind. But while it's easy to say, 'you need to be more active on social media', there are a few steps you need to take before you wade in and start posting 'stuff' on Instagram.

Why is it important for printers to have a social media strategy?

Because the possibilities when it comes to social media for print businesses are huge and there are only so many hours in the day. Your business is printing, not posting on social media, so it's important that you achieve the biggest bang for your social media buck (and time). That means making sure you're targeting the right people on the right platforms at the right time with the right content.

How to create a social media strategy for printers

Your strategy should be built on the following:

Audience

Who are you aiming to connect with on social media – is it the general public, small business owners, big corporates? Having established that, you then need to work out what you know about them in a print context. What might they want from you? What are their pain points? How could your print business' use of social media help address those pain points or meet those needs?

Platform

What social media does your target

audience use? If they're all on Instagram and Facebook, you'd be wasting effort in focusing your attention on X and TikTok. Understanding the right platform for your social activity can remove a lot of wasted effort.

Time & frequency

This can take some trial and error, and you might need to look at what competitor printers are doing, but if you can identify the windows when your target audience is most engaged on social media, you'll likely achieve better engagement with your posts.

You'll also want to test frequency to reach the ideal number of posts per day. Try posting more posts on some days and fewer on others and monitor the effect. Habits change, though, so this is one you'll need to keep revisiting.

Goals

What's the point of social media for printers? What's the ambition? It might be raising general brand awareness. It could be driving traffic to your website. It could be **lead generation**. It could be sales.

Ultimately, all the above have sales as their end goal, but some of them take a longer-term approach, helping your print shop grow a following based on building your voice within the industry. Others cut to the chase and focus on deals of the day/month/week, which may not do too much to build engagement and loyalty but could be a powerful way of delivering the occasional sales push.

You can mix goals, but it's important to



always know which goals a post is aiming at.

Content

Social media for print businesses relies on content, but what content? We explore that further below.

Social media tactics for print businesses

Your strategy may help you target your social media, but you'll still need something to say. Here are some options for applying social media in your print business.

1. Image showcase

Why use this? Because print is a largely visual medium and showcasing your ability to create fantastic visuals gives you the triple whammy of creating a particularly eye-catching social media feed and offering lots of inspiration, while also

Using social media for print



generation if the image you're displaying relates to a specific product.

2. How to...

Why use this? A common print industry social media tactic is to use time lapse video to show how a product came together. Not only is it powerfully effective in terms of grabbing the attention, but it also educates and demonstrates your ability as a printer. If you don't have the time or technical skills to do that, you could always write step-by-step guides.

Great for: Brand awareness and, when you add a 'find out more' link to your post and connect to more content on your website (eg. a blog) it's a great way to drive traffic there too.

3. Testimonials

Why use this? A little bit of humblebragging never went amiss. On the face of it, thanking someone for a great review or testimonial (perhaps over an image of their print material) is simply a nice thing to do. Beneath the surface, however, that post is a) showcasing the work itself, b) showing that other people love it, c) demonstrating that you're a good person to work with.

Great for: Brand awareness and lead generation.

4. Case studies

Why use this? A great way of connecting with followers who at some point may find themselves saying 'we need something

like that'. A case study could sit on your website as a written piece (hopefully with lots of quality imagery) with your social posts pointing at it, or it could be a reel within your social media feed. Either way, it can be a powerful way of showing what you're capable of.

Great for: Brand awareness, lead generation & driving traffic to your website.

5. People

Why use this? People buy from people, as they say. So it's worth taking the time to occasionally shine the spotlight on your team, so the social media for your print business has a human face.

Great for: Brand awareness.

6. Industry news

Why use this? Social media for a print business is usually most effective when it displays or links to your products, ideas, processes etc. But there can still be value in sharing industry news with your followers, especially when you can add your own opinion or expertise about the topic.

Great for: Brand awareness For printers, social media has the power to add rocket fuel to your business. When that happens and you need the print materials to help you respond to an uptick in orders, **talk to us.**

T +44 (0)161 765 3400
sales@soyang.co.uk
www.soyang.co.uk

demonstrating your capability.

Great for: Brand awareness, lead generation and, potentially, **sales**

Soyang Europe expands display solutions portfolio with ST-2163 Nightstar Onyx

ST-2163 Nightstar Onyx is a flexible hybrid material and has been developed for use in UV, Latex and dye sublimation printers. It is ideally suited for applications such as retail backdrops, exhibitions graphics and pop-up display systems.



Soyang Europe, the leading manufacturer and distributor of digitally printable wide-format and superwide-format media and surface coverings, and – through its acquisition of Josero – a supplier of leading edge wide and superwide-format print production hardware, is delighted to announce the launch of ST-2163 Nightstar Onyx polyester blackout display fabric.

A 100% warp-knitted blackout fabric, ST-2163 Nightstar Onyx is a flexible hybrid material. It has been developed for use in UV, Latex and dye sublimation printers and is available in widths of up to 5.05m. The new material features a black back that offers users full opacity, opening up its use in a range of projects.

Customers will benefit from brilliant colours and high ink fastness, while the material's high stability and soft feel make it the ideal solution for use in high-impact applications such

as retail backdrops, exhibitions graphics and pop-up display systems.

ST-2163 Nightstar Onyx also offers users a more sustainable option than other materials available on the market as it is both PVC and phthalate-free.

“Soyang Europe is committed to developing new and exciting products that not only guarantee high-quality output to our customers, but also offer them a competitive edge in what is a busy market,” says Mark Mashiter, Managing Director of Soyang Europe.

“Given the incredible flexibility, high print quality and stand-out environmental credentials of ST-2163 Nightstar Onyx, our latest solution fits these criteria to a tee.”

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DO YOU KNOW YOUR EXPLOSION RISK?

No matter what you're processing – chemicals, food, pharmaceuticals, biomass, wood products – if it produces dusts or powders, there's a high probability you have an explosion risk. All it takes to interrupt plant productivity is a combustible material, oxygen and an ignition source.

For more than six decades, IEP Technologies has provided the right explosion protection solution for every type of process application. From cyclones and dust collectors to milling equipment and dryers. We can design a protection system and surround you with 24/7 service and support. Protecting plant starts with knowing your explosion risk.

Explosion suppressor: eSUPPRESSOR™



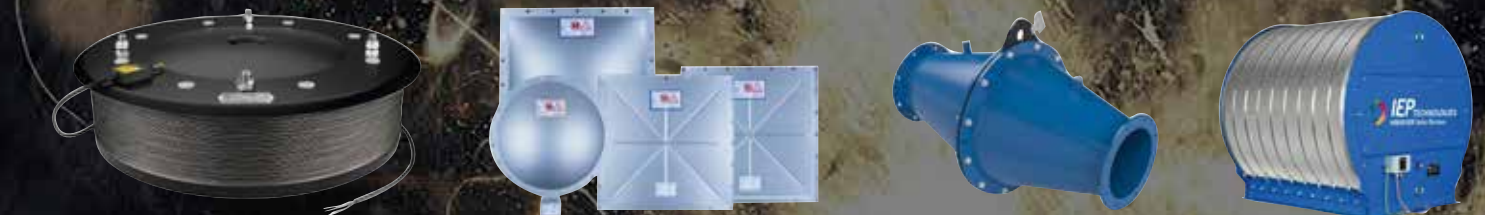
The IEP Technologies eSUPPRESSOR™ is a high-rate discharge suppressor used for explosion suppression and isolation systems. Its electro-mechanical operation is unique to the industry, as no pyrotechnic devices are required for activation. The eSUPPRESSOR™ has standard features that include pressure monitoring, lock out tag out capability and LED indication of device status. A key benefit is that all the safety functions are fully monitored, which is not possible for any device employing pyrotechnic actuators. The eSUPPRESSOR™ design & manufacture has SIL2 third party certification.

Spark Detection: Atexon®



The 'Next Generation' Atexon® Spark Detection and Extinguishing systems by IEP Technologies have recently received third party approval by Factory Mutual (FM), meeting the latest detailed requirement of FM3265:2020. For UK users the equipment is also certified to UKCA, UKEX and VDS certification is in the pipeline. The innovative Atexon® SD300-EX series spark detector is a world first being able to detect visible light (VIS), near infrared light (NIR) and infrared light (IR), with a 180° field of view. The benefit being it has the ability to see different ignition sources through material layers, even with dense material flow, with reduced hardware.

Passive Protection Devices:



Typically, the most cost-effective explosion protection method in terms of hardware, install and maintenance is IEP Technologies' passive protection devices. These include vents, flameless vents and isolation devices. Explosion relief panels are calculated to vent a deflagration, and in doing so prevent the rapid developing pressure. This reduces the chance of vessel rupture, and structural damage. Similarly flameless vents work by the same principle, allowing the heat and pressure dissipation but differ from a traditional vent by mitigating the flame from passing into the atmosphere outside the flame arrestor. This type of venting method has all the benefits of traditional venting but has the added benefit of reducing the chance of possible injuries to personnel. Vent sizing is based on several different factors, call us today to discuss your options.

IEP Technologies have been global leaders in providing explosion protection solutions for many decades.

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Watlow's ASSURANT® high temperature heating jackets

Leading provider of advanced industrial electric heater manufacturer Watlow, has announced the launch of its new ASSURANT® HT high-temperature heating jackets, designed to meet the unique needs of semiconductor processing.



Watlow's ASSURANT heaters are heater jackets made with PTFE-coated fiberglass that maximises thermal uniformity and coverage for gas lines, pump lines, forelines and exhaust lines in semiconductor processing applications. These solutions offer even heating for uniform temperature profiles over the entire heated line. The ASSURANT heater jackets optimise process tool uptime and chip yield by providing full coverage to the line, eliminating cold spots that result in particle buildup.

As today's advanced processes, with new chemistries and applications, require even higher temperature ranges, ASSURANT HT delivers a recommended operating temperature of up to 350°C, making it the perfect solution for the most demanding applications. Our glass-based technology ensures that ASSURANT HT is SEMI-rated for cleanrooms and flammability,

eliminating issues associated with clogging and fouling.

"We are thrilled to introduce the new ASSURANT HT to the market," said Doug Schaefer, chief system designer at Watlow. "Our first-generation ASSURANT TC is a reliable heating solution for many applications, but as industry evolves there is a need for an even higher temperature range. With ASSURANT HT, we are providing our customers with a step change in thermal performance that will help them stay ahead of the curve on challenging processes like titanium nitride. The launch of ASSURANT HT marks a new era for the ASSURANT line of heaters, designed from the ground up to improve semiconductor processing."

Contact
www.watlow.com

Achieving temperature uniformity in gas line heating systems

To address thermal data needs, ensure thermal uniformity and reduce the complexity of line systems, Watlow offers a solution with its STREAMLINE™ heating system. The heating system has three main components including an EZ-ZONE® RMT controller supported by ATS technology, silicone rubber heaters and lastly, a communications device.

ATS is a suite of technologies designed by Watlow to combine heating, sensing and control through a simpler system that is more responsive and efficient. It is the core of what

makes the STREAMLINE heating system less complex and more efficient than traditional thermal systems. Not only does the technology allow for real-time data, but zones can also be highly configured while reducing the amount of space required.

STREAMLINE system uses ATS technology to reduce the system's complexity. Because heating components can also act as sensors, the need for wires and

extra components is massively reduced. Furthermore, the sensors can read the temperature at the surface of the gas lines, resulting in greater responsiveness to prevent line shutdowns and unnecessary waste.

A major benefit of the STREAMLINE system is the reduction in temperature variance, which can be halved with ATS technology. With quick responsiveness and precise temperature monitoring from a central controller, the STREAMLINE system provides significantly more data and control during the thermal process.



Without sufficient thermal data and heating control, semiconductor manufacturers face costly shutdowns that reduce output and increase waste. These headaches are solved with a technology suite that combines sensing and heating, providing real-time data with increased thermal responsiveness and improved temperature uniformity.

www.watlow.com

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Advice

AdCo's HD 250 NV is a true standout among industrial-grade hot melt glue guns, and a go-to tool for contractors and tradesmen in many fields of work.

The "NV" stands for "needle valve," an exclusive AdCo design feature which allows the user to lay down precise, uniform glue lines, with perfect cut-offs and no more dripping and stringing!

This exceptional quality tool sports cushion-padded grips, an easy-squeeze trigger, and a removable wire base stand which makes it easy to use in any work environment.

The 225 watt PTC heating system allows for quick heat-up times to its preset temperature of 210°C, and the ability to dispense upto 1.5 kilos of glue per hour.

Patented
Dripless
Nozzle




Proflex
Shaped Hot Melt

900

Full-size
1 1/2mm
Sticks

3
Second
Set Time

AdCo's ProFlex 900 is the best choice for industrial packaging applications due to its attractive price and impressive 3-second compression set time.

12mm
15mm
18mm
43mm

FEATURES & HIGHLIGHTS

- Needle valve nozzle
- Uses 11/12mm glue sticks
- Output per hour: 1.5 kg per hour. (55 x 300mm sticks)
- Operating temp: 210°C
- 225 watt PTC heating system
- 4-minute warm-up
- Lighted ON/OFF switch
- Comfortable 4-finger trigger
- Removable stand
- 6-foot power cord
- UL Certified to ensure safety

Eliminates
Stringing

Output / Hour
1.5 kilos

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The power struggle

Why reliable power is central to the success of water companies

Challenges facing power supply in the UK

Although the power supply in the UK is generally considered to be reliable and stable, it is not without its vulnerabilities and challenges.

The population is growing, and industrial development has increased the demand for electricity which in turn is putting a strain on the aging power supply infrastructure leading to capacity issues and the potential for power outages. As reported recently in the news, the risk is heightened by extreme weather such as storms, floods and high winds which can lead to damage of power lines.

The increase in cybercrime presents another challenge. The growing reliance on computer systems and digital technology in the power supply infrastructure creates an opportunity for cyber criminals, people who are intent of disrupting services and holding organisations to ransom.

So, while the power supply in the UK is generally considered to be reliable, there are vulnerabilities and challenges that can cause fragility, and water and wastewater companies need to have backup power strategies in place to build organisational resilience in face of these challenges.

Risks associated with loss of power

The stakes are high for water companies if power is lost at treatment plants, pumping stations, and distribution systems.

If AC mains is not present, there is a risk that valve actuators, which require a power source, will not be able to function, which may cause multiple problems; water treatment processes may be disrupted, pumping stations may fail so water may not be able to reach its destination, and customer service may be impacted.



By Andy Towse, Head of Technical Sales at Dale Power Solutions. Andy is well known and respected for his knowledge on critical power solutions. He has 35+ years' experience in backup power having previously worked in engineering, testing and sales applications.

Failure comes at a high cost. Record fines of more than £102 million were handed out in 2021 following successful prosecutions, with one water company receiving a fine of £90 million for environmental pollution; a significant jump on previous fines issued to water companies.

In April this year, Environmental Secretary, Therese Coffey warned that companies that pollute our waters could face unlimited penalties for the damage they cause, and The Plan for Water includes strengthening the Environment Agency's ability to impose sanctions on water companies. Clearly this could have a considerable impact on organisations who fail to meet the tightening regulation and toughening enforcement.

Power failure at substations

Depending on the size, location and the duration, a power failure at a water company substation can have several detrimental outcomes.

If the substation powers a water treatment plant

or pumping station, the interruption in power can disrupt the water supply, which if prolonged may result in a shortage of water in the affected area. The sudden loss of power causes disruption to electrical infrastructure, including circuit breakers, transformers, and other control systems resulting in operational downtime.

Modern water companies also rely on computer systems to monitor and control their operations. A power outage can cause data loss which can lead to operational disruptions and delays.

To mitigate the risks of power outages, water companies typically have backup power sources, such as generators and uninterruptible power supply (UPS) systems, to keep critical systems running until power is restored.

Choosing a suitable backup power solution Backup power is typically provided in two forms, a generator and UPS. Each has benefits and each provides backup power but in different ways.

A generator converts mechanical energy into electrical power. It is connected to a fuel tank and therefore can run independent of a power grid and will run as long as it has fuel to support it. Although generators offer a long-term standby power solution, they do not provide seamless and uninterruptible power. There is a short break in power from mains disconnection to the generator starting, which is why organisations who need seamless and long-term backup power chose a UPS and generator solution.

A UPS is a battery dependent, short term standby power solution providing typically 10-15 minutes autonomy (longer solutions are available). The UPS monitors the voltage and frequency of the incoming power and switches to battery power if a disruption is detected. Should the mains power fail a UPS is designed to provide an organisation

with enough time to shut down safely or provide power until a longer-term solution, such as a generator, can start and provide support. As the name describes, a UPS provides uninterruptible power.

Some UPS systems can be designed to handle the high starting currents and power requirements of motors and therefore have a high short-term rating to cope with motor starting currents. They are more robust than the standard commercial UPS systems and are designed to withstand the ravages of starting and stopping motors.

They typically have a higher output capacity than standard UPS systems and are designed to provide power for a longer period of time. They are popular for industrial applications where the sudden loss of power can cause significant damage to the motor or the equipment it is powering.

UPS systems can also have additional features such as surge protection, voltage regulation, and power conditioning to help protect the motor from damage due to power fluctuations or other electrical issues and therefore there is a clear advantage in water companies considering this option.

WIMES and IP54

Water companies should also consider where their backup power is located as moisture, humidity, and extreme temperatures affect the operation of electrical equipment. These harsh environments require specialist & robust backup power solutions.

A UPS that meets a set of standards known as Water Industry Mechanical and Electrical Specifications (WIMES) indicates that the UPS is fit for purpose and meets the mechanical and electrical specifications common for the UK water



industry. Further protection can be provided by housing the UPS in an ingress protected (IP) rated enclosure.

Servicing and maintenance

In addition to the investment in the backup power systems, organisations must also consider ongoing preventative maintenance, upgrades, repairs, and battery replacement. Planned and preventative maintenance can extend machine efficiency and is far cheaper solution than equipment replacement.

It is recommended that generator fuel tanks and pipework have an annual OFTEC (Oil Firing Technical Association) inspection by a qualified engineer, to check for failures which could lead to oil spills, leakages from the generator and fuel tanks which could then result in penalties. Regular inspections of both the generator and fuel is the

best way to ensure the backup system is ready to do its job and run for a significant period of time when required.

UPS manufacturers usually recommend that UPS maintenance should be carried out within the first year of installation, and then annually from there on out as a minimum.

Load bank testing is used by many organisations to simulate the full electrical demands that the equipment has been designed to accept, helping to prove the generator, ancillary systems and UPS system integrity and may also identify areas where additional maintenance is required.

For further help and advice to choose an appropriate backup power solution, contact Dale Power Solutions: www.dalepowersolutions.com



SIL 3 certification for Oliver Twinsafe

Oliver Twinsafe Trunnion Mounted valves and Floating Ball Valves have successfully been SIL certified at level 3. This new and important milestone provides operators with safety assurances at the highest level and has resulted from many months of engineering design, QA reviews, and audits.

A SIL (Safety Integrity Level) is a measure of safety system performance, in terms of probability of failure on demand (PFD). The higher the SIL level, the higher the associated safety level, and the lower probability that a system will fail to perform properly. SIL 3 is the highest rating that can be given to a valve.

High Integrity Pressure Protection Systems (HIPPS) and remotely located well-head manifolds are normally associated with SIL certification. Operators are to gain additional safety assurances from installing our ball valves, in that, when the valve is required to perform its fail-safe function, the probability of it not performing is extremely low.

SIL 3 certification has been awarded by Exida, a third-party safety assessment organisation. The certification covers our range of Single Isolate valves, and Double Block and Bleed valves comprising two separate isolates within the assembly. Bore sizes for Trunnion Mounted valves range from 1"-16" and 1"-3" on Floating Ball valves.

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Exhibit with Oceanology International (Oi) London 2024

Oceanology International (Oi) London is set to bring the oceanic community together under one roof from 12-14 March 2024 at the ExCel in London.

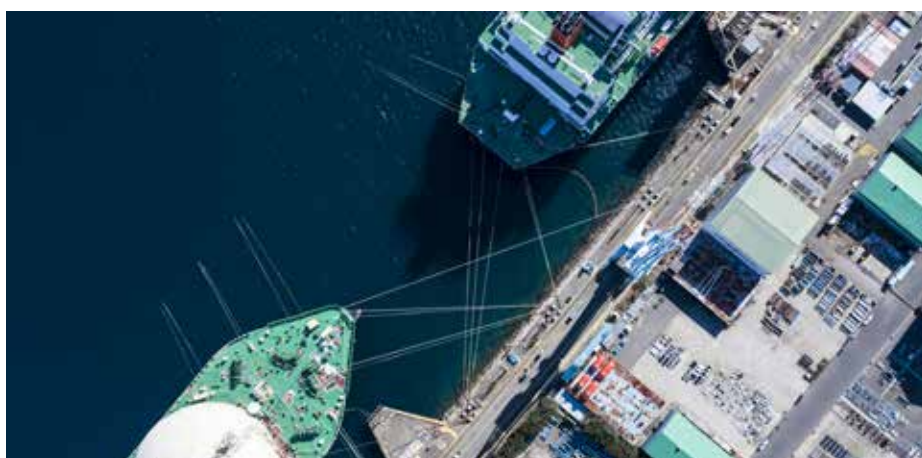
Oi was first launched in the UK way back in 1969, celebrating its 50th anniversary in 2019 and is held every two years.

This year organisers are expecting over 500 exhibitors from sectors such as: robotics, sensors, marine survey equipment, ROVs, AUVs, USVs, cable and cable systems, cameras, geophysics, data acquisition, beacons and buoys, through to hydrographic surveys and ocean observations.

Widely viewed as the leading oceanic event, Oi exclusively brings together major players from across businesses, academic and government departments, to explore pertinent issues in marine science and ocean technology.

Over 8,000 attendees are expected over the action-packed three days from a variety of sectors including: academia, coastal engineering protection, fisheries and aquaculture, government departments, marine environmental protection, marine renewables, marine science, maritime security, ocean mining, offshore construction, offshore oil and gas, ports, harbours and terminals, ships and sailing, telecoms and utilities.

With the ocean now facing multiple threats from over-fishing, loss of habitat, to rising temperatures,



Oi is at the forefront of innovative marine solutions to help tackle these far-reaching issues.

The three-day event is styled as a conference and exhibition, with many hands-on water demonstrations and vessels. The Dockside Demonstrations offer live in-water demonstrations regarding the latest technological advancements, with viewing platforms and micro-theatres for a closer look at the action.

Oceanology International (Oi) is the perfect place to showcase new products and services to a receptive audience from across the industry. At the last event in 2022, there were a staggering 80 new product and

services launches. This year's themes are expected to centre around new innovations in blue tech and energy transition markets and new products launches include: the new version of the KONGSBERG HUGIN Autonomous Underwater Vehicle, the new X3 ROV from Blueye Robotics and the YUCO micro AUV from Seaber.

The Ocean event also attracts the biggest keynote speakers and for its 6th edition, 'Catch the Next Wave' uses an inspiring technique of pairing speakers from within and outside the ocean community.

This has the notable effect of 'blue wave thinking' by bringing together guests from different ideas and backgrounds to stimulate new thinking across boundaries. The hot topic this year will be solutions for the 'ocean-climate nexus' – essentially how to slow down how the oceans and atmosphere control and express planetary weather systems.

With flooding concerns caused by the recent Storm Henk and last summer's European wild fires, the best minds from across the industry will try to come up with some cutting-edge solutions.

Other topics of interest include the Blue Economy, energy transition, sustainability, ocean mining and oil and gas and Oi is interested in encouraging stimulating, respectful discussions.

If you're ready to exhibit today, read more on the website: www.oceanologyinternational.com/london/en-gb.html



Powering up subsea operations: Meet SubCtech at Oceanology International in London

In the ever-evolving realm of underwater technology, German firm SubCtech stands out with its innovative approach to ocean monitoring and subsea power solutions. Guided by the expertise of founder and CEO Stefan Marx, the company has carved out a significant niche in this highly specialised industry. Both here discuss SubCtech's pioneering products, the challenges of subsea engineering and the sustainability of modern subsea energy storage.

Based in Kiel, Germany, SubCtech has two primary business units – Ocean Monitoring and Ocean Power. The company began by manufacturing products to monitor seawater quality, and, over time, its focus evolved to meet the increasing demand for battery power underwater.

From its relatively small beginnings, crafting small underwater batteries, the firm now boasts a staggering 1 MWh battery storage system set to be in operational use from beginning of 2024.

SubCtech's Ocean Power unit manufactures subsea batteries that can be deployed aboard underwater vehicles – particularly unmanned vehicles – or as backups for Oil & Gas industry applications offshore. To ensure its customers are comprehensively serviced, the Ocean Power unit is subdivided into three sectors: offshore energy, underwater vehicles, & standard subsea power products.

According to founder and CEO Stefan Marx, SubCtech's Ocean Power unit offers both standard batteries and bespoke solutions. "We are able to offer solutions that fit into the customer's available space and within its weight limitations – that's where our roots lie, and that's the service that has delivered our growth thus far."

Record-breaking storage

The company's engineering prowess was on

full display in late 2023, with SubCtech's unveiling of the latest, greatest and biggest battery that it has ever produced: a jaw-dropping 1MWh battery storage system.

The battery, which was produced to order for a client, is the first subsea MWh battery in the world. But it is also only one amongst many other batteries sold by SubCtech each year. The company's off-the-shelf battery solutions – dubbed 'Big Jim' and 'Long John' – are perennial best-sellers. Both battery units have standard physical dimensions and similar weights, but the innards can be customised according to the customer's specific requirements, including for both the capacity and voltage, both within set limitations.

For vehicle-based solutions, SubCtech offers three different standard battery housing diameters, namely 260mm, 310mm and 416mm internal diameter sizes. Bespoke sizes, energy, power and voltage ranges are meanwhile available on request.

Quality German engineering

SubCtech was founded in 2010 by current CEO Stefan Marx, who boasts over 30 years' experience working in ocean-related industries in various scientific and business roles. The company was originally headquartered in a small town near Kiel, but soon moved into Kiel proper, where its staff-count has gradually risen from 20



to 80, in order to accommodate growing demand for the company's products.

Following several relocations around Kiel to accommodate its growing workforce and workload, SubCtech has put down roots via the construction of its own production space. Its new facility includes 1,300m² of covered space and 1,500m² of outdoor/storage areas. A move to a 4,000m² building is planned.

SubCtech's products are qualified according to military standards, and all are certified by Det Norske Veritas (DNV), an internationally accredited registrar and classification society headquartered in Norway. This DNV certification, which seeks to guarantee the safeguarding of life, property and the environment, ensures not only total peace of mind for users of the company's products but crucially, it is also a legal qualification for any equipment fitted to the deck of a vessel.

Concluding, Mr Marx highlights how the company's best assets are driving it forward, "We've learned over the years that even as a medium-sized company, we're able to move the world a little bit. Today, we have the best products with a great reputation and a high-quality team. In my 30 years in the industry, that's the recipe for success. If you want to learn more about our company and our products, visit us at Oceanology International in London at Booth J300!"

Contact
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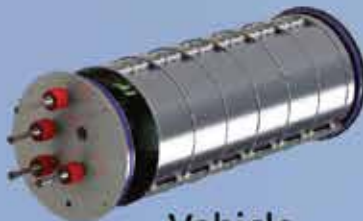
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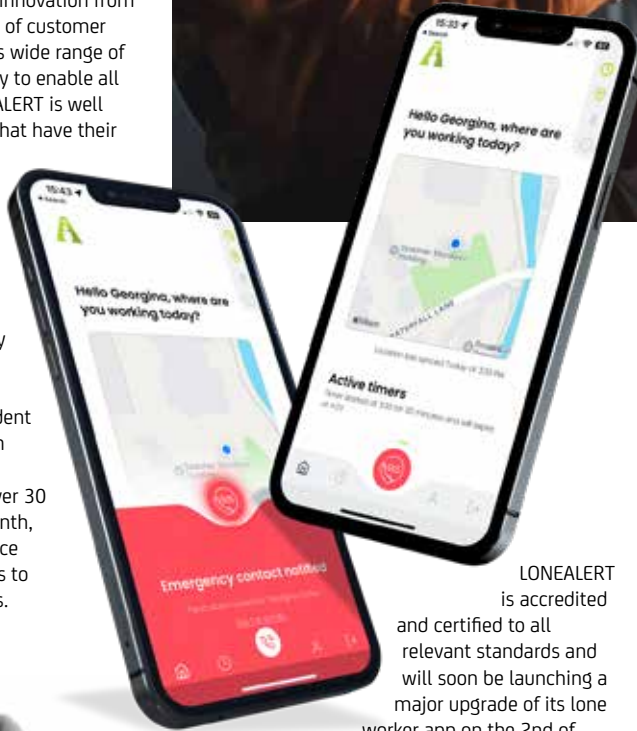
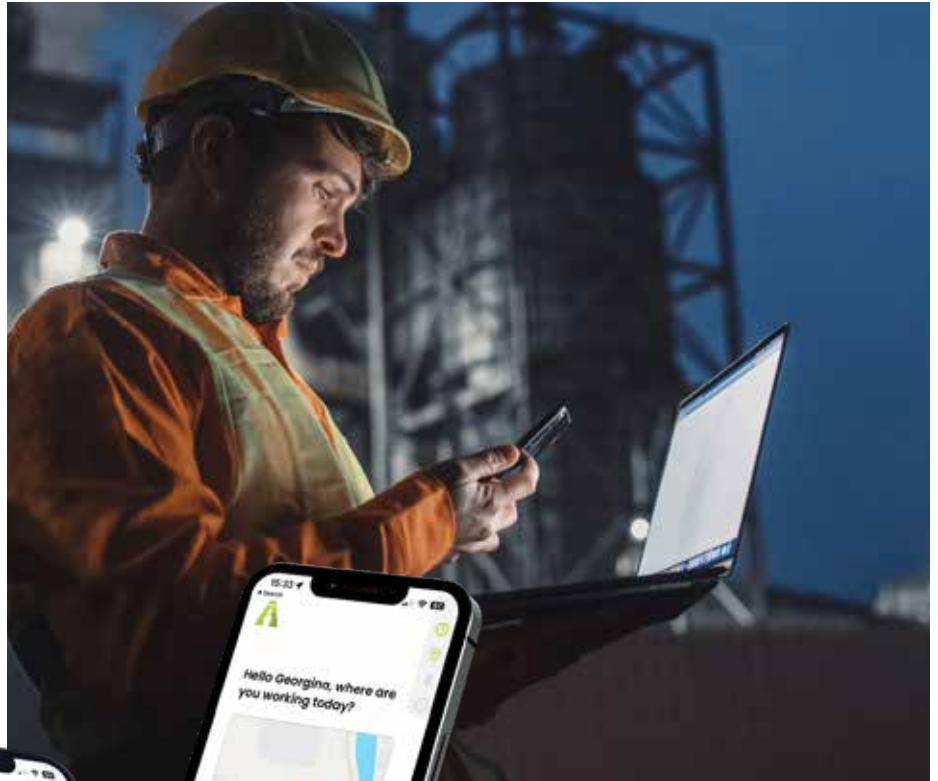


Safer lone working

Headquartered in Birmingham, UK, Advance IT Group Ltd is a software development house comprised of business: Advance IT Solutions Ltd and brand: Team Work Smart. Using the latest technologies, the company partners with businesses; translating their objectives into workable, objective led, revenue generating and process improving software solutions.

Advance IT Solutions Ltd is driven by solving problems for the customer through a user centric approach to product innovation and software development. Advance IT Solutions Ltd offers LONEALERT, a BS8484 lone worker protection service that combines a range of panic buttons and fall detection devices that include GPS, an SaaS management portal to monitor lone workers, system utilisation, and a 24x7 monitoring Alarm Receiving Centre (ARC).

LONEALERT is the most well-known innovation from Advance IT that provides high levels of customer support, is customer led and offers wide range of options, configurations and flexibility to enable all customers' needs to be met. "LONEALERT is well matched with manufacturing sites that have their own plants due to our connectivity and complex location solutions," added Mathew. LONEALERT essentially helps manage lone workers working from varying locations ensuring staff feel connected no matter where they are in the world. By providing quality lone working solutions that are accessible at all times, LONEALERT ensures that in the event of an accident or emergency the right response can be sent immediately. Active in six continents around the world with over 30 million locations managed each month, LONEALERT is a ground-breaking piece of software that your business needs to monitor and protect all lone workers.



free. The app features NEW designs and features such as two-way communication; enabling real-time communication between lone workers and operatives, enhanced security with biometrics for quick login, a clear and clean user interface, and new emergency mode with real-time information and updates.

Team Work Smart – the second arm of the business, is a construction management software that allows you to manage site compliance and work quality; SOLAR and renewable energy, and Gas and Heating Installation and Maintenance to manage surveys, job booking and scheduling, job completion through to invoicing; as well as a separate product, a Print File converter for Mail Houses that allows conversion of unsupported label formats into formats supported by their machines. "Work smart is developed with low code flexibility so we can configure it to meet customer requirements rather than code it. Print File Converter is unique as clients have searched long and hard to find a solution, and even the manufacturer couldn't offer a solution," said Matthew.

LONEALERT is accredited and certified to all relevant standards and will soon be launching a major upgrade of its lone worker app on the 2nd of

October 2023. Mathew added, "Alongside the app launch, we have recently launched new devices that resolve connectivity issues for lone workers with Wi-Fi options for locations with poor mobile signal. We are also starting work on a major upgrade to our LONEALERT Portal, the OWL very shortly and have some exciting, but confidential international projects we are working on too."

Using its customer focused approach, the Lone Worker App has been developed as a response to customer feedback to ensure lone workers can continue to do their job safely and hassle

If you would like more information of any of the above, please see below:

T 0121 501 2288
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www.advanceltd.com
www.teamworksmart.co.uk
www.lonealert.co.uk

Make your project possible



DCON 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.

Additionally, DCON Safety Consultants Limited offers planning compliance assurance services. The ability to strategically support a positive planning decision is exclusive to the company. Its Draft Construction Management Plans (DCMP) inform the overall planning, coordination and control of a project from the beginning of construction to completion. The DCMP also safeguards the obligation placed upon a client to produce a safe, functional and financially viable project.

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.

Finally, DCON Safety Consultants Limited can offer a safety expert witness service, which is headed by Diarmuid himself. He has extensively supported safety-related matters, and is a certified and competent safety professional who will work with clients to identify exactly what kind of safety expert is needed. Then, he will use an extensive network of contacts to recruit the right person to protect clients' interests.

DCON Safety Consultants Limited's fantastic service offering and proven track record of offering leading health and safety consultancy services makes the company a worthy winner of our Commitment to Excellence award. Such achievements are proof that DCON Safety Consultants Limited is well-placed to help ensure your safety, health and wellbeing and make your project possible.

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

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diarmuid.condon@dconsafety.com
www.dconsafety.com



Mechanical, electronics and embedded design



As the UK's biggest design event of the year, the Engineering Design Show (EDS) is the must-attend event for engineering, electronics and embedded design. Taking place from 11-12 October 2023 at the Coventry Building Society Arena, the show was a huge success, witnessing over 4,000 visitors, 200 exhibitors, 50 conference sessions & workshops and 1,000 products.

With deadline pressures and constantly changing market requirements, time is a precious commodity for design engineers. Yet with the diverse range of technologies, materials, components and processes available it is important to be able to take time out to learn and review

what's new and how you can benefit.

EDS continues to offer visitors the opportunity to hear inspirational speakers, gain insider tips and tricks and most importantly meet and do business with more than 200 exhibitors. It is the only event in the UK providing for the needs of design engineers. EDS caters for all aspects of engineering design under one roof in an efficient and dynamic environment.

The exhibition was jam-packed with hundreds of stands. Exhibitors included Moons Industries, Technosoft, Telsonic, Smallfry, McLennan, Thermal Vision Research, Etal, Quickparts, Hoover, The Robot Studio and Reliance Precision and many more!

The Engineering Design Show returns this year to Coventry Building Society Arena from 9-10 October 2024. This is our pick of the best exhibitors from last year's show, listed here in alphabetical order: JTAG Technologies & Plastic Products International. Further details can be found here.

www.engineeringdesignshow.co.uk

30 years of innovation and dedication to JTAG/ boundary-scan

This year (2023) JTAG Technologies are proud to celebrate their 30th year of developing, supplying and supporting world-class board (PCBA) test and programming solutions based on IEEE Std 1149.x.

This global provider of premium boundary-scan products, with an office in the UK to support its UK customers, recently released a new edition of its PCBA Test Development software, known as JTAG ProVision 2023.

Working from customer feedback and utilising the expertise of its design team, JTAG Technologies says it has "further enhanced and simplified the processes for testing modern PCB assemblies fitted with miniature components in highly integrated packages." The updated software "includes many novel features to create a faster, more versatile system that addresses the needs of test and design engineers through



the next decade and beyond."

JTAG ProVision 2023 greatly simplifies all engineering tasks. It enables generation of reliable and repeatable tests with high fault coverage. DFT tools for initial design assessment and auto test generators are included for rapid deployment of effective structural tests.

Additional modules further (a fully renewed

CoreCommander) allow improved coverage analysis from the early stages of design and allow test and programming applications to be integrated within third party test solutions with ease. ProVision's intuitive user interface helps to provide a consistent approach to solving problems across all disciplines.

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Plastic Products International (www.ppiuk.net) showcased its full end-to-end offering, including in-house design, toolmaking, injection moulding and inspection at the Engineering Design Show.

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