Coffee Planet

Coffee Planet was established in 2005 in the Arabian Peninsula - where coffee roasting began - some 500 years before. We were originally a provider of freshly ground coffee and fresh milk vending machines for petrol station convenience stores.

In 2007, our business expanded to offer complete coffee solutions to leading five-star hotels, restaurants, catering companies, airlines and offices.

We opened our roastery in 2008, while 2011 witnessed our expansion into other international markets. We are now proudly represented in more than 20 countries across the GCC, Asia and Europe, with café operations in the UAE, Pakistan and the United Kingdom, with deals signed to open in India and Oman.

Currently, Coffee Planet is the largest specialty coffee roaster in the Middle East, employing over 200 staff. We plan to keep growing until everyone in the World has the opportunity to experience and enjoy our 100% Arabica specialty coffee. Most recently we have entered the RTD market with the launch of our new Nitro Cold Brew Coffee range, an innovative product and first of its kind in the Middle East.

Our business is solution-focused, providing our customers with roasted coffee, green coffee, powdered drinks, sugar, syrups, among other consumables, and coffee machines. Our 360-degree approach also includes training and a dedicated service and maintenance team.

www.coffeeplanet.com

Proximity probes with direct 4-20mA output for machinery Shaft Vibration Monitoring

DataLase

DataLase is an Innovative and Sustainable Coding and Marking Solutions company. They can be seen on page 38-39.

UNISIG

UNISIG is a company that provides a comprehensive monitoring solutions that comprises all kinds of vibration sensors and signal conditioning electronics (vibration monitor) are built directly into the sensor. This simplifies installation by eliminating the need and space requirements for a driver, vibration monitor and protective housing. Brüel & Kjær Vibro's monitoring solutions include vibrational and acoustical measurement, condition monitoring, and an increased machine reliability for customers world-wide.

Wiesner Hager

Wiesner Hager is the Company of the Month. See them on page 15-18.

Perfect Control

Perfect Control is the Company of the Month. See them on page 24.

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Making cleaning work for the public sector
Jean-Henri Beukes, Managing Director of Ecocleen, looks at the challenges facing the public sector and how cleaning companies can become part of the solution.

The public sector has been under immense budgetary pressures in recent years, so support services, including cleaning, have had to bear the brunt of cost-cutting exercises. With margins already tight, it is more critical than ever for cleaning contractors and public sector organisations to work closely together to maintain service standards while maximising efficiencies and avoiding unnecessary overheads.

One of the biggest challenges for the public sector moving forward will be in realising their expectations with regards to what is achievable with the available budget. The recent struggles faced by high-profile businesses within the public sector management sector have underlined the dangers of promising too much for too little simply to secure contracts and lead to disappointment. But this should be where a cleaning contractor can provide guidance and get creative in developing a cleaning operation that is appropriate for the precise needs of a site or building.

Understanding requirements
By taking the time to understand requirements, it is possible to prioritise and make better use of cleaning resources. There are some areas—such as toilets and public areas—that experience increased footfall—a fact that will always require greater attention, but there will be other areas and spaces that could be cleaned less frequently. For instance, roads and car parks are exposed to harsher weather conditions and the need for cleaning is determined by visual impact, while buildings have areas that are highly occupied and those with low footfall. Effective planning will help to target resources to areas that require more attention. Staff are also encouraged to take some responsibility for cleaning their own work areas and ensure that areas such as toilets and public areas are maintained to the highest standard, thus saving both money and time.

Clever thinking—such as taking advantage of practices that are increasingly commonplace within the private sector—can prove invaluable in conserving energy and resources. Some initiatives may however require a higher level of engagement and personal responsibility from key stakeholders, so communication is essential to gain buy-in and ensure the success of the initiative.

Targeting small incremental gains across a cleaning operation is also an effective way of achieving material efficiencies without resulting in any noticeable drop in standards. Making staff responsible for taking used cups to the kitchen or keeping their desk clean at the end of the day, for example, can be a cost-saving exercise, but over the course of a week or month this represents a significant saving.

Other initiatives may however require a level of engagement with the customers and their staff to explain the reasoning behind them and attempt to alter mindsets regarding individual responsibilities. From experience, people tend to be more open to change if they are kept informed and treated like key stakeholders, so communication is essential to gain buy-in and improve the chances of success.

Be realistic
Programmes need to be made realistic, with small changes expected, while the contractor can remain competitive and deliver the contract sustainably. Having all-year-round coverage for cleaners, for example, can be a costly overhead, but if public sector organisations have decided to clean their own premises, they can ensure staff receive adequate training and have the necessary resources to deliver the service.

In addition, the lack of tender experience within the public sector is often a hindrance to organisations to turn to specialist third-party management businesses at a significant cost. Most cleaning contracts are awarded on the bid price threshold which has resulted in the outsourcing of the procurement process. If this requirement could be handled more in-house, with perhaps increased guidance from central government, then significant sums could be freed up to invest in the cleaning operation or minimise the brunt of cost-cutting exercises.

The budgetary constraints faced by the public sector is not going to go away anytime soon, so contract cleaning companies must work closely alongside their customers to manage contract specifications and expectations. Open and transparent relationships with their customers that allow the contractor to implement cleaning operations that are fit for purpose while overcoming the cost challenges faced by these organisations.

PTS Ltd have over 25 years experience managing a growing number of customer production lines on-site to ensure ‘just-in-time’ delivery. We offer many variations of Direct Line Feed management to suit individual needs.

Plating
We have the facilities to plate standard and special screws in most materials. The most popular of these is our ‘Touch-Dry’ Chemi-Black process, currently used by an increasing number of customers in high-tech industries. Also known as ‘Black Oxide’, the finish is so thin it does not affect any dimensional tolerances.

Other finishes offered include Gold, Nickel, Silver and Zinc (RoHs Compliant).

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We provide a modification service for our customers from 1.6mm diameter fasteners upwards to customer drawings and specifications. This can be a cheaper and faster option than manufacturing, especially where smaller quantities are concerned.

For more information, please visit: www.pts-uk.com

+44 (0)1342 410758 • info@pts-uk.com

www.variohm.com

Industry Update is sponsored by Protechnic – see them on page 23
Haydale Graphene Industries plc

Haydale has launched a range of graphene-enhanced prepreg material for lightning strike protection, utilising functionalised nanomaterials to improve the electrical conductivity.

The material has been developed in collaboration with Airbus UK, BAE Systems, GE Aviation and Element Materials Technology Warwick Ltd, within the NATEP-supported GraCELs 2 project where the first iterations of materials were developed and subjected to lightning strike tests. The consortium is now looking to manufacture a demonstrator component using the materials developed to establish composite manufacturing protocols as a showcase part for commercial purposes.

This prepreg material delivers a new generation of carbon fibre-reinforced composites having improved electrical conductivity. These materials can be used for structural components as well as for enclosures for the electronics avionics systems.

The materials developed have potential applications with regards to UHIs (unmanned) along with commercial aviation in general, and space applications. This technology has additional applications with regards to wind turbine blades particularly in offshore locations which are susceptible to lightning strike.

An electrically conductive masterbatch is also commercially available and the Haydale team has been working with customers to test the capability achieving significant results over existing materials.

For more information please visit: www.haydale.com Twitter: @haydalegraphene

Corrosion protection

Corroserve has repaired and provided corrosion protection for a 36in inlet flow valve which has been in service at Ladybower Reservoir in Derbyshire for more than 60 years.

At its Leeds factory, Corroserve abrasive blast cleaned the valve’s internal and external surfaces in accordance with ISO 8501-1 Sa2½ to remove corrosion and provide a surface profile suitable for subsequent coating.

Multiple coats of Polyglass VEF were applied to internal surfaces to achieve a minimum of 1000 microns dry film thickness. Two coats of Plasmet ZF and a topcoat of Corrothane API were applied to the valve externals. Thickness and spark testing were carried out to ensure the quality of the coating work.

The contract was completed on schedule and the customer can expect a fast ROI due to reduced valve maintenance needs.

T 0113 2760 760

Dr Ulrich Nass becomes CEO of NSK Europe

The Board of Directors of NSK has announced the promotion of Dr Ulrich Nass to Chief Executive Officer of NSK Europe. His appointment is effective as of 1st October 2019.

Dr Nass was also appointed Vice President of NSK on the same date. Since taking over as Chief Operating Officer in February 2019, he has initiated the transformation of NSK Europe for the future.

"On behalf of everyone on the Board of Directors,” said Masatada Fumoto, his predecessor, “I congratulate Dr Nass on his appointment and would like to wish him all the very best and every success in his new key position for the future development of NSK Europe and mastering the tasks that lie ahead.”

Masatada Fumoto had joined NSK in 1984 and was appointed Chief Executive Officer of NSK Europe in April 2018. He will continue his assignment as Executive Vice President of NSK and Head of Automotive Steering & Actuator Division HQ.

NSK is a global organisation researching, designing, and manufacturing Motion & Control solutions supporting essential mobility and industry applications. The company is currently the top supplier of bearings in Japan, and it is also the third largest supplier in the world by market share.

T 00 49 2102 4811280 www.nskeurope.com
Easier hearing tests at work

WorkScreen, the new user-operated audiometric test system, makes hearing tests - and compliance with Noise at Work Regulations - easier than ever.

Tom Parker, Director of WorkScreen, says consistent results require no specialist training and that the wireless, rechargeable, go-anywhere system is designed to improve access to this important health check.

“Hearing tests are legally required for staff working in noise, to control Noise Induced Hearing Loss. Checks are also vital to understand worker’s hearing health.”

Checks are also vital to ensure worker’s hearing health. Without consistent testing, we cannot ensure workers are not being exposed to the dangers of loud noise.

Consistent hearing checks reduce the incidence of hearing loss and can save lives.

Tom Parker, WorkScreen

Abiz, the new business-to-business platform which connects employers to hearing specialists, is also making hearing tests easier. By making hearing test results available online, the platform makes it easier for employers to keep records and access hearing test results.

“Horizontal hearing protection is the cornerstone of which is personal hearing protection. This involves the use of hearing protectors and a comprehensive noise control strategy.”

Burton McCall

A safety workwear boot designed and manufactured to withstand the harshest of conditions and is suitable for wear in all weathers, waterproof, windproof and breathable. A composite protective toe cap and Kevlar perforation resistant insole, ensure Brightboot are 100% metal free and anti-magnetic. Built by hand using the highest quality materials available.

Brightboot is innovative, combining the ultimate safety with high visibility and is in line with safety standard EN ISO 20345:2011. The addition of retro reflective segmented silver bands and other retro reflective elements, ensure that the wearer will remain visible in low light, sunlight, adverse weather conditions and at night (from an illuminated source).

Brightboot is available in 3 sizes, Tall (below the kneecap), Mid (mid calf) and Low (above the ankle).

Brightboot, the world’s first high visibility safety workwear boot designed for men and women.

Helmet combines protection

The Evo Vista Dualswitch helmet provides the perfect solution and protection for those needing both head protection and eye protection.

Combining the new Evo Vista retractable eyewear helmet technology with the innovative Dualswitch chinstrap harness system, it is easy for the wearer to switch between working at ground level standard EN397 and working at height safety standard EN12492 by flicking a switch.

Aico

Aico, an Ei Company, are the UK market leader in Fire and Carbon Monoxide (CO) protection, leading the way in home life safety by pioneering new technologies and offering high quality alarms, developed and manufactured in Ireland. All Aico alarms meet UK standards and offer a variety of sensor types to guarantee protection for every home, the cornerstone of which is delivering quality, service and innovation.

Stemming from this ethos of innovation, Aico has launched the SmartLINK Gateway to provide a groundbreaking solution for Registered Social Landlords to have access to real time data insight into the status of the Smoke, Heat and Carbon Monoxide alarms systems across their entire housing stock. Using its built-in GSM data connection, the E1000G utilises Aico’s next generation of wireless technology to report events including Fire/CO activations and alarm head removals as they happen to the SmartLINK Gateway via the Ei1000G utilises Aico’s SmartLINK Gateway aims to improve efficiency, reduce costs, aid with forecasting and compliance and enable smart asset management.

The SmartLINK Gateway will revolutionise the way in which alarm systems are managed, paving the way to a solution-focused approach to asset management.

enquiries@aico.co.uk
www.aico.co.uk

A New Year’s Revolution in tenant safety

No more time consuming and expensive manual checks. No more updating endless spreadsheets. Minimise your risk by routinely accessing your residents’ properties, ensuring less disruption for you and them. Checking fire and carbon monoxide alarms are working to protect your tenants will be easier, less costly and more efficient with the innovative E1000G SmartLINK Gateway from Aico.

www.jspsafety.com
4
Industry Update is sponsored by Protechnic – see them on page 23

Abrasions resistance, dexterity & comfort

Abrasions resistance, grip, dexterity and comfort combine in the Olba glove from Tornado.

Olba achieves the highest score for abrasion resistance rating in the EN388:2016 test. The fine, yet robust construction can withstand at least 8000 abrasion cycles. Users can handle objects with rough edges or work on coarse surfaces without fear of damaging their skin.

Olba fits snugly to the contours of the hand. It is constructed using a very fine yarn on a precision knitting machine.

The result is a flexible glove that enables small components to be handled and fingers manipulated easily into narrow spaces.

In addition, the wearer can grip large, abrasive items and switch between tasks without changing or removing gloves.

Olba’s Tornado’s anti-bacterial technology transmits an anti-bacterial conditioner onto the hand during use. This kills germs, conditions the skin and helps to control unpleasant odours.

T 0115 961 9555
www.tornadogloves.com

Latest fume extraction systems

New from Wilkinson Star is the F-Tech Fume Pellet range of high vacuum fume extraction systems and welding torches.

The F-Tech Armor is a high vacuum mobile dust extraction system that extracts dust from manual welding and grinding processes. With high performance motor, choice of 3m suction Armoflex or Armotech cantilever arm, and user-friendly digital panel with hour meter and clogged filter alarm, it offers E12 99.5% filter efficiency and comes with 5-year warranty on 110 and 230v models.

The portable F-Tech Pocket extracts and filters fumes from welding processes, micro dust, vapours and odours. Weighing 20kg, it has a handle and a 2m hose with plastic extraction nozzle. Filter efficiency is E12 99.5%; and it comes with 2-year warranty.

Wilkinson Star is UK and Ireland importer of AER Service equipment, manufactured in Italy.

T 0161 793 8127
www.wilkinsonstar.com

UK Distributor - Burton McCall Ltd
T 0116 234 4611
sales@burton-mccall.com

At the same time, the Evo Vista Dualswitch helmet provides individuals with compatible integrated Optical class 1 eye protection which is fully retractable when not in use and cannot be lost by the user or damaged on site or when removed as it is easy for the wearer to switch between working at ground level standard EN397 and working at height safety standard EN12492 by flicking a switch.

Helmet combines protection

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The SmartLINK Gateway will revolutionise the way in which alarm systems are managed, paving the way to a solution-focused approach to asset management.

enquiries@aico.co.uk
www.aico.co.uk

A New Year’s Revolution in tenant safety

No more time consuming and expensive manual checks. No more updating endless spreadsheets. Minimise your risk by routinely accessing your residents’ properties, ensuring less disruption for you and them. Checking fire and carbon monoxide alarms are working to protect your tenants will be easier, less costly and more efficient with the innovative E1000G SmartLINK Gateway from Aico.

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UK’s Leading Exhibit for the Chemical Industries

Pulsar Process Measurement Ltd manufactures and supplies level, volume, open channel flow, pipe flows, sludge interface measurement and pump control instrumentation.

Pulsar is a world leader in non-contacting level measurement with tens of thousands of installations worldwide. The success of the business has been built on reliable, repeatable measurement systems that have made difficult or seemingly impossible measurements a reality.

Radio and non-contacting ultrasonic measurement are complementary non-contacting technologies – measuring level by signal analysis but excelling in different situations.

90% of control applications will be solved with ultrasonic level and flow measurement. But for the other 10% where there is persistent foam or an atmosphere high in carbon dioxide or other gases, or where there are extremes of temperature change, our customers can now make that choice between 3B Ultrasonic measurement and FMCW Radar.

Both technologies are retrofittable with controllers that are already out in the field, so installation of either technology could not be simpler!

Come and see us on stand F21 to see both of our world leading technologies in action.

T +44 (0)1684 891371
info@pulsar-pm.com
www.pulsar-pm.com

Suurmond UK looks to replicate success of ChemUK 2019

As a successful time at ChemUK 2019, with plenty of leads generated and interest from quality visitors, Suurmond UK will be exhibiting again at 2020’s event.

Suurmond UK was incorporated in 2004 as a partnership between the owner of Suurmond Group (established in the Netherlands since 1975) and Laurence Fletcher.

“We started out as a distributor for two main pump companies: Maag Pump Systems and Gather Industries. Initially, our business was just pumps and spares, but in recent years we have evolved into something more, and we now design and build custom dosing units and skids for a wide range of industries,” Laurence explained.

Boasting an enviable client base, Suurmond supplies its pumps, and equipment to numerous multinational companies, including BASF, Akzo Nobel, Beadord Adams, Dow Silicones and Pirelli to name a few. Offering solutions to the coatings, plastics and construction industry.

“Whether studying the chemistry of life, or developing the advanced science behind modern technology, chemical scientists use their expertise to improve our health, our environment and our daily lives.

Collaboration is essential. We connect scientists with each other and society as a whole, so they can do their best work and make discoveries and innovation happen.”

We publish new research. We develop, recognise and celebrate professional capabilities. We bring people together to spark new ideas and new partnerships. We support teachers to inspire future generations of scientists. And we speak up to influence the people making decisions that affect us all. We are a catalyst for the chemistry that enriches our world.

T 01223 420066
marketing@rsc.org
www.rsc.org
Come meet us at stand E37

KSB at ChemUK 2020

Established in Germany in 1871, KSB has nearly 150 years’ experience of manufacturing pumps, valves and automation and is recognised as a world leader. KSB is one of the largest pump manufacturers in the world with an unrivalled product portfolio. In addition to manufacturing pumps, KSB is well known for producing valves and automation equipment.

With activities in many different industries (Water, wastewater, energy, building services, process, oil & gas, food and beverage), KSB currently has 34 manufacturing sites globally.

At KSB Ltd in the UK, specialised sales staff take care of customer’s needs, while full aftersales support is offered, including repair, maintenance, installation, testing and commissioning.

To improve, KSB invests 2% of current turnover (over €2 billion) back into R&D.

Recently, KSB invested in one of the largest, most advanced pump test facilities in the world at the factory in Halle, Germany, capable of testing pumps up to 10MW; with a maximum flow of 18,000m³/hr and heads up to 640m.

Long established relationships with many customers means that KSB is a trusted partner with a strong history of supplying equipment throughout the world.

KSB at ChemUK 2020

Come and visit us at stand H36
www.chemicalukexpo.com

Maker and Rakem

Maker and Rakem are part of the Rakem Group, a group of companies specialising in chemical distribution and manufacturing. Rakem have distributed quality chemicals and pigments to the coatings, plastics and construction industry for over 20 years. Experts in white pigments, Rakem supply the coatings industry with Titanium Dioxide, Calcium Carbonate, Blanc Fixe and water-based polymers.

Maker is Rakem’s complimentary sister company. Maker are experts in blinding white pigments and powders. Services the paint, paper and technical coatings sector their water-based blends are of the highest quality. Offering solutions to the coatings industry.

Maker are an established toll manufacturer.

www.rakem.co.uk

Rakem and Polaris Controls bridges the gap between our customers and industrial manufacturing partners by providing outstanding customer service and full sales cycle support in the Oil & Gas, Petrochemical, Chemical, Water/Wastewater, Energy and other industries.

With over 55 combined years of manufacturing and sales experience, we leverage our industry knowledge to provide customers with application-appropriate instrumentation, analysers and system solutions at all stages of design, construction and upgrade installations.

Polaris Controls works with EPCs, End-Users, OEMs and Manufacturers providing both standard and bespoke solutions for the challenges specific to their industries. They provide the expertise to improve our health, our environment and our daily lives.

Come meet us at stand E37

www.polariscontrols.co.uk
marketing@rsc.org
www.rsc.org
Visit our website at www.polariscontrols.co.uk to review specific solutions for your challenging applications or stop by our booth at ChemUK to talk with Michelle; we would love to work with you!
Raytec are the global technology leader in Hazardous Area LED Lighting. We manufacture a full range of globally certified SPARTAN Ex luminaires to provide a solution for any application where there is risk of an explosion due to gases or dust.

Raytec have two offices located in Northumberland, UK (HQ) and Ottawa, Canada, and all Raytec products are UK designed and manufactured in-house. Founded in 2005, Raytec have an unparalleled background as the world leader in LED lighting for safety and security. We’ve used this expertise to create SPARTAN.

SPARTAN luminaires revolutionise Hazardous area lighting, offering the most maintenance friendly solution on the market and allowing much easier access and inspection. Our range of Intelligent Emergency luminaires take the safety and performance of emergency luminaires to the next level. Featuring a microprocessor, these new products automatically self-test to ensure the luminaire is operating correctly and functioning at its optimum.

All Raytec products are ISO9001 and ISO14001 certified and are distributed to over 70 countries world-wide in some of the most challenging environments. We’re so confident in the quality and performance of our products that they all come with a 5-year warranty.

T 44 (0) 1670 520055 hazsales@raytecled.com
www.raytecled.com

British Adhesive & Sealants Association

BASA is one of the most active technical adhesives and sealants associations in Europe, providing high value and contributing to business performance for its members. With membership increasing each year, we provide an extensive library of information and advice on the importance of regulations and standards for the adhesives and sealants industry in the UK and Ireland. This is underpinned by active technical and business programmes and every year more than 600 staff from member companies participate in BASA activities and more than half the membership are involved with our working parties.

The aim of BASA is to be the umbrella organisation for adhesive and sealant manufacturers in the UK and Ireland, including the supply chain and service and equipment suppliers to the industry. BASA supports its members by representing and promoting the industry, offering guidance on technical and compliance issues and providing networking opportunities for members. A free Croner business helpline, RIAHReady discounted membership, insurance, finance, recruitment and testing benefits and FEICA affiliation are part of your subscription each year. Members can promote their business through the BASA website, with a free company profile listing in the handbook every year and through sponsorship at events.

www.basa.uk.com

Flux Pumps

The electric barrel pump was invented in September 1950 in Stuttgart and patented under the FLUX name. 2022 sees us celebrate the 70th anniversary of the FLUX electric barrel pump. 70 years of innovation and expertise has seen Flux grow into a leading manufacturer of pumps, motors, flowmeters and liquid dispensing systems. Our innovations have improved the speed and safety of fluid transfer applications across the globe.

By choosing Flux, you are making a good decision for your business and the environment. Our class-leading products are designed to save time and money – Flux is proven in the world’s toughest applications. All Flux products are manufactured and tested at our factory in Germany. Our products are repairable and serviceable. All parts available to buy as spares. A Flux pump will provide you with the lowest cost of ownership over the lifetime of the product.

FLUX UK offers solutions for any drum or IBE transfer application, from dispensing flammable or aggressive chemicals, to pastes and pastes from 200 drums. Ask us about our programmable one-touch dispensing systems, improve speed, safety and accuracy. Minimise waste and increase profitability. We work closely with our customers to deliver the optimal solution, every time.

T 01202 823304
www.flux-pumps.co.uk

LAUDA Technology Ltd

LAUDA Technology Ltd provides class-leading expertise for applications, requiring precise heating and cooling solutions, ranging from -150°C to +350°C. Applicable to multiple product stages, from research and design to pilot plant, full production lines and quality control, LAUDA Technology is used particularly on automotive, aerospace, chemical, biotechnology, pharmaceutical, medical, digital printing and fluid and beverage application solutions, amongst others. Highly robust, feature-rich, industry-compliant solutions set us apart, whilst a reassuringly low total cost of ownership throughout the equipment life provides for a tangible return on investment.

With a 64 year history, and a dedication to innovation and portfolio expansion, recent new products include laboratory freezers, shakers, incubators, and water stills building on the already highly-capable product portfolio of process circulators, circulation chillers, water baths, tensiometers, viscometers, and contact angle measurement. Providing heating, cooling and measurement solutions throughout the product lifecycle stages.

Innovative new product features include remote access via a smartphone or tablet, enhanced cooling capabilities and energy savings of up to 50% compared to similar products, additionally the new water chiller range is fully compliant with the new Ecodesign directive.

T +44 (0)1780 243118 INFO@LAUDA-TECHNOLOGY.CO.UK
www.lauda-technology.co.uk

Chem UK Preview

Industry Update is sponsored by Vision Engineering – see them on page 29
New autarkic VEGA sensors – the key for IoT in logistics and production

Level measurement has never been so simple

The Internet of Things (IoT) is currently revolutionizing the entire world. Logistics is one of the areas where it is especially fast-paced. Here, comprehensive networking of goods and IT infrastructure along the entire supply chain offers a lot of untapped potential. From warehousing to ordering processes to transport, optimizing the supply chain therefore brings real competitive advantages. At the same time, it can help to noticeably reduce costs.

The care of the Internet of Things is the data exchanged over a growing communications network. It serves as a decision-making basis for improvements. For this reason, IoT relies on sensors that provide the required data. However in most logistics systems the sensors are located in places and positions where the power supply for devices cannot be obtained from a fixed source. In these cases, the sensors detect the current level and position in an individual container several times a day – and transmit the data wirelessly to the cloud.

VEGA is now developing a completely new series of Autarkic sensors for optimized logistics. Autarkic sensors detect the current level and position in each respective level status, whether in the plant or during transport. Regardless of whether the measurement involves storage containers with chemicals, containers with cleaning agents that have to be replaced regularly or residual material containers waiting for collection.

Ideal for IBC containers

The autarkic VEGA sensors can be quickly and easily mounted on IBC containers. Thanks to radar technology. The new autarkic radar sensors will be available on the market from mid-2020 – optimized for logistics or control processes. Energy efficiency was at the forefront of this development. Measurement performance, wireless data transmission and energy consumption are perfectly matched to each other for this purpose. In combination with optimized measurement cycles, the batteries can provide energy management that ensures up to 10 years operation.

The stand-alone sensors from VEGA are wireless, inexpensive, flexible and reliable – and can be installed quickly via plug-and-play. They can therefore be used reliably in a wide variety of scenarios, whenever levels have to be measured. Regardless of whether the measurement involves storage containers with chemicals, containers with cleaning agents that have to be replaced regularly or residual material containers waiting for collection.

Measurement data can be easily integrated into other platforms and systems. The combination with VEGA Inventory System brings additional potential: This visualization and logistics software determines the optimal order quantities.

Products and services

Cutting edge size reduction

Gericke individual solutions for your specific production conditions. The test centres are equipped with a range of original machines, and our experienced specialists design the testing conditions and packaging, your project is tailored to your needs.

KNF – your partner for customised pumps and systems

KNF UK has a dedicated team of experienced technical pump engineers. At our facilities in Witney, Oxfordshire we offer sales, full service capabilities, local stock, system builds and technical support.

Visit our website to see our range of pumps – www.knf.co.uk or call us 01993 78373 to discuss your application.
**Lakeland Laboratories Ltd**

Based near Manchester, Lakeland is an established manufacturer of Specialty Surfactants. Traditionally serving the maintenance chemical industry, our products are now used in most areas of the cleaning sector and industrial applications. We provide technical support for existing customers and development of new business. Our products are exported throughout Europe and most other world markets. The most important product ranges for the I & I industries are the Amphoterics and Phosphate Esters. As well as providing the formulator with multifunctional properties, these ranges possess excellent environmental profiles. Lakeland also has facilities for contract manufacture/synthesis. Toll manufacture has always been an important part of Lakeland’s business. The strategic location and proven track record has led to long lasting working relationships with our clients. Lakeland currently possesses 14 reactors ranging from 1000 to 25000 ltrs. All reactors are steam heated, rated at 165°C max.

**Excellence in fluid technology**

As a worldwide leader in dosing technology, sera ProDos is a system provider of high quality products and services for the dosing and feeding of chemicals and fluids. Indeed, with 75 years of experience, sera ProDos is renowned for its excellent customer service and leading German engineering, offering some of the most robust pumps available on the market to customers involved in food and beverage, pharmaceuticals, and water and wastewater treatment.

A recent addition to sera ProDos’ chemical dosing pump offering is its iSTEP stepper motor pump. Setting standards in reproducibility and reliability, the iSTEP offers variable frequency control and a flow range of 0.02-100 l/h, offering a varied range of application possibilities. The iSTEP is suitable for an array of applications, including chlorine dosing for the treatment of drinking water, flocculating agent dosing in wastewater treatment, dosing of flocculant aids, and CIP Use. The pump is operated using a detachable control element, which allows the rapid commissioning of several pumps with the same function. Furthermore, the status of the pump is indicated by a colour change on the display, meaning it is instantly recognisable and offers different speeds of suction and pressure stroke depending on the user’s requirements.

Contact
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**PROFINET, PROFIBUS and IO-Link Training Opportunities**

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**Smart Manufacturing Update**

These seminars will be of great value to Designers, Production/Systems Engineers, Instrument Technicians/Engineers and C&I Engineers involved in the design, operation and maintenance of modern automated factories and process plant.

More information and online Registration:

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Email: uk@profibus.com
https://uk.profibus.com/
The one stop shop for all of your labelling needs

**Datamark UK**

Datamark supply and manufacture a varied range of labelling solutions to a wide range of customers spread across various industries. Enlisting in the services of Datamark, customers can enjoy numerous benefits, for example gaining from the years of knowledge and experience amassed by Datamark.

Constantly innovating and seeking to add new products to their already extensive range, Datamark truly are the one stop shop for all of your labelling needs. Moving from strength to strength since its inception in 1999, Datamark offers customers competitive pricing, unparalleled customer service, reliable deliveries, rapid quote turnaround, and an extensive product range.

Datamark’s product range includes: Plain and Coloured Washed Labels, Flexographic Printed Labels, A4 Sheeted Labels, Fanfolded Labels & Tags, Own Brand Thermal Transfer Ribbons, Thermal Transfer Ribbons, Thermal Transfer Bureau Print Solutions, Goflex and other brand Thermal Transfer Printers, Thermal Transfer and Direct Thermal Print Solutions, and TT Printers Service and Maintenance.

Driving the company forward, aside from their extensive product range, is their continued emphasis on providing the best customer service possible. It is no wonder that Datamark supply such a wide variety of industries, including; food, distribution and logistics, storage and contract packers, electronics, homecare, automotive and industrial.

sales@datamarkuk.com
www.datamarkuk.com

**Travtec Limited**

Travtec Limited are widely known for their custom designed and manufactured solutions, but did you know they also offer a wide range of standard solutions for packaging and coding?

We have an extensive range of standard “conveyor accessories” and equipment, which provide increased efficiency across production areas in many markets. We offer proven solutions to integrate into existing product lines. If you need to code on the base of bottles or cans or press caps on tubs, jars or cans then look no further. Our systems can be integrated with various other proprietary solutions, including Thermal Inkjet, Continuous Inkjet, Laser and Thermal transfer for marking, Print & Apply and other labelling systems and are used in many major companies around the world.

Our systems can be integrated with various other proprietary solutions, including Thermal Inkjet, Continuous Inkjet, Laser and Thermal transfer for marking, Print & Apply and other labelling systems and are used in many major companies around the world.

We also offer a range of tamper evident labelling machines from our Tamponio range. From a small low-cost desktop unit, right through to a fully automatic high speed labelling system with several other solutions in between.

Trading for 20+ years Travtec have the experience and perfect pedigree to offer a proven turnkey solution to any coding, Serialization/aggregation requirement.

Our machines are used all over the world and our customers come back to us time and again. We look forward to assisting you with your requirements.

www.travtec.co.uk

Creative gift packaging

Shredhouse Limited is the only UK-based manufacturer of shredded Kraft paper, tissue paper and cellophane for the gift packaging market for which we offer national sales coverage. Our high quality and eco-friendly packaging can help to enhance your products, gift boxes and hampers, adding the overall unboxing experience while doing so.

We work with a variety of customers, from large multinational brands to British artisans, and across a wide range of market sectors including health and beauty, food and drink, craft and toys, gifts and many more, while also being able to supply retailers, wholesalers and contract packers.

Our bright and decorative products help to add that all important ‘WOW’ factor to your product packaging, enhancing the perceived value of the product and in an equally attractive way to fill boxes to prevent products from breaking or moving around in their boxes.

With custom made machinery in our purpose-built warehouse, we can react extremely quickly to product requests, create and deliver shredded packaging options for your every need, while also offering bespoke or branded colours to match your corporate branding.

For further information, please view our products on our e commerce website at: www.giftpackaging.co.uk or for samples and pricing requests, please contact Jon Watton, Business Development Manager, on 01672 564333 or email: jon@shredhouse.co.uk
Your guiding light for LED solutions

Industry Update is proud to announce that LED Industrial Lighting Company Ltd has been chosen as our LED Solutions Company of the Month.

"We were established in 2009 as OCP ENERGY Ltd," explained Aidan Brown, Managing Director. "As we approached our 10th anniversary, and with the acceptance of LED lighting into the mainstream market, we changed our name to LED Industrial Lighting Company Ltd to better reflect the nature of the market in which we operate."

Based in Cheltenham, LED Industrial Lighting Company Ltd operates across the UK and Europe, and numerous key clients have used its services across their European operations. As the status of LED lighting as changed, so the company has adapted its services to better address the needs of the marketplace. "The company’s role has evolved as LEDs have become more accepted," explained Aidan. "In the early days, it was about convincing businesses that LED was the future. Nowadays, we are effectively a specifier, assisting clients to identify and source the most appropriate product for their premises."

Working exclusively with LED lighting, the company has a focus on the commercial and heavy industrial markets, including hazardous area environments, as well as significant experience in the niche market for obstruction lighting.

With the increase in LED lighting’s popularity, there has undoubtedly been an increase in the number of poor quality products, which have swamped the market and made it increasingly difficult to find the best and most suitable solution. Thankfully, LED Industrial Lighting Company Ltd’s extensive experience of the LED lighting sector allows it to match the most appropriate fittings to the client’s requirements, as well as guiding clients to the right products for their individual requirements, without making expensive mistakes.

Certainly, LED Industrial Lighting Company Ltd has a documented history of listening to the market and addressing its needs, something which is reflected in the company’s motto to ‘listen and deliver’. "We believe in understanding the client’s operational requirements and then developing a value proposition that addresses those needs, all within budget," Aidan elaborated.

Of course, LED lighting is constantly evolving, but there are limitations as to where future efficiencies will be generated in the LED technology alone. "Where the real revolution is occurring is in the controls for these lights," explained Aidan. "LED Industrial Lighting Company Ltd is able to offer the market leading remote monitoring platform, which allows a user to monitor and manage their lighting infrastructure from their own laptop, giving real-time data on what is happening within their office, building or entire estate. We can monitor a suite of parameters from energy usage to the status of the batteries in the emergency fittings. This offers potentially huge maintenance savings, and the system will automatically run test and report systems to ensure fulfull regulatory compliance."

"As we approached our 10th anniversary, and with the acceptance of LED lighting into the mainstream market, we changed our name to LED Industrial Lighting Company Ltd to better reflect the nature of the market in which we operate."

With an outstanding reputation for quality, value and customer service, there is no doubt that the future looks bright for LED Industrial Lighting Company Ltd, a company which clearly possesses the drive and determination to continue its innovative work. "2019 was a challenging year for us as a business. Specifically, I was diagnosed with cancer in March and underwent chemotherapy for the best part of a year. During that time, I continued to work and am very grateful for the support of our existing clients, as well as the patience of the new ones. Having had the all-clear at the end of 2019, I am keen to drive the business forward and make up for lost time."

If you would like to find out more information, head to the website or get in touch using the contact details below.

T 01242 250633
info@ledindustriallighting.co.uk
www.ledindustriallighting.co.uk

Sheet Metal Specialists

In this issue of Industry Update we have selected leading company Dudley Industries as our Sheet Metal Engineering Company of the Month.

Originally established as Dudley Hill Engineering in 1942, Dudley Industries maintains a vast history of experience in engineering high quality sheet metal products.

"First and foremost we are experts in sheet metal engineering. We have three market strategies; we design and market our own range of commercial engineering. We have three market strategies; we are able to use our expertise and capabilities to help other companies bring their metal projects to life with our contract manufacturing skills," Chrissie Rowlinson, Marketing Manager.

Dudley Industries provides a one-stop-shop solution with a range of capabilities and services including design, prototyping, cutting, folding, welding and with a range of capabilities and services, including design, prototyping, cutting, folding, welding and the company also maintains its own powder paint facility. "We are proud to provide all services in house," Chrissie explained. "Our engineering capabilities include a 7 axis tool maker, flat bed and 5 axis laser cutting and a robot finishing cell."

One of Dudley Industries latest innovations for its hygiene division is the Modulo Behind the Mirror System. A modular behind the mirror hand hygiene solution, Modulo is an easy to install cabinet that provides a range of benefits including being extremely space efficient and flexible in design with a selection of hand washing and drying options.

In terms of other developments for the company, Chrissie told us that, "Again within our hygiene division we are working to develop niche products such as the Wudu Wastestation that supports ablutions before prayer. We’ve also developed a range of Anti-Ligature dispensers that help to prevent a ligature being attached for the purposes of self harm, these are ideal in mental health facilities as well as prisons, courts and detention centres for helping to safeguard vulnerable people at the risk of causing self-harm."

The company also provides a Dementia range of dispensers that is easy use and encourages an independent lifestyle. As one of the symptoms of dementia is a reduced ability to detect contrasts between colours, often washrooms and dispenser units can be quite similar in colour which could cause confusion for the user. By using contrasting coloured dispensers and wallplates, Dudley Industries’ range enables those living with dementia to distinguish between dispenser and decor and with clear instructions next to it, they help to reduce confusion and support user independence for as long as possible.

An upcoming noteworthy appearance for the company, Dudley Industries will be attending SubCon2020, Chrissie stated, "We will be at SubCon2020 promoting contract manufacturing and will attend Hotel & Construction shows in Dubai to promote our washroom products."

Speaking with Chrissie regarding the company’s future plans, Chrissie told us that Dudley Industries plans, "To continue to serve our customers and deliver their requirements. We are strengthening our team to help build our contract manufacturing division and focusing on innovations within our Washroom division. We are growing and this year we are focusing on expanding and strengthening our team to facilitate the growth we have achieved and continue this into the future."

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

T 01253 738311
www.dudleyindustries.com
If you need a digitizer, you should check the latest line-up from SPECTRUM INSTRUMENTATION: 130 different digitizers are available now, as PCIe and PXIe cards or as standalone NETBOXES with full remote control via LXI/Ethernet from every PC. The PCIe/PXIe cards offer speeds from 5 MS/s to 5 GS/s and up to 8 channels per card. With our “Star Hub” module, up to 16 PCIe cards can be fully synchronized to create systems with up to 128 channels. The NETBOXES also offer speeds from 5 MS/s to 5 GS/s, with up to 16 channels per mobile NETBOX and up to 64 channels in the bigger “rack-format” NETBOXES. With 130 different digitizers available from stock, every customer will find the perfect fit solution for his project.

For further information please visit:
www.spectrum-instrumentation.com/en/digitizers

Riding the PC instrumentation wave with quality, support and innovation

Spectrum Instrumentation, a specialist PC based technology company, has built a global enterprise since it was first founded 30 years ago in December 1989. The company uses a versatile modular design approach to create a wide range of digitiser and generator products as PC-cards (PCIe and PXIe) and standalone Ethernet (LXI) instruments.

In 30 years, they have gained customers all around the world, including many A-brand industry leaders and practically all prestigious universities. The company is headquartered near Hamburg, Germany.

The company has one of the largest portfolios of digitisers on the market, giving users a huge choice of different performance levels. For example, Spectrum’s digitisers are available with sampling rates from 5 MS/s up to 5 GS/s and resolutions from 8 to 16 bits. The cards also offer from 1 to 8 channels and larger multi-channel systems can be effortlessly created by connecting up to 16 fully synchronised units together!

info@spec.de
www.spectrum-instrumentation.com

Radiocrafts has just released a new & updated version of the RIIM SDK!

Radiocrafts has just released a new and updated version of the RIIM SDK to make it easier and quicker for customers to create a prototype network with RIIM. RIIM is an IIoT Wireless IP mesh network in a module. It was developed for the user to easily create their own industrial grade access network with direct IP connectivity, in minimal time and effort.

The RIIM SDK supports development of code for the ICI application in the RIIM module. An ICI application is always running on the module to tailor the module’s behavior to the customer’s unique requirements.

- The SDK has various new features including:
- Supports Windows and Linux
- Tree node configuration – Leaf node
- New example ICI application for sleepy nodes - This example is meant to show the exceptionally low power capabilities of a RIIM node
- Automated scripts to generate a flash image and upload it to the module
- RIIM Dashboard

The SDK itself also has an html file where Radiocrafts has laid out detailed descriptions of all necessary instructions needed to use the SDK effectively.

You can order a RIIM Development Kit from Digi-Key and download the SDK from the Radiocrafts website.

T +47 400 05 195
sales@radiocrafts.com
https://radiocrafts.com/
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The Home of Lead Free Soldering & PCB Cleaning

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Essentec AG supply smart and highly flexible SMT Solutions, including the Fox and Puma Pick & Place systems which can offer multiple heads for P&P, as well as dispensing on a single platform.

The Fox and Puma can both be used as stand-alone systems or be configured as inline solutions, and there are also the Spider and Tarantula systems which have a range of nozzle technologies purely for dispensing.

All the systems use mineral cast beds for vibration free production as well as benefiting from no warping caused by thermal drift. They use linear motors throughout in order to give the highest accuracy with zero maintenance, and have one of the most comprehensive software packages available.

As well as these, Essentec AG has the Cubus and Cubus Large Component Towers, which offer the flexible storage of SMD reels in a range of sizes, trays, and boxes. The towers reduce logistic problems by 95% and offer full interface to most production systems and all major ERP and material management.

See us at Southern Manufacturing & Electronics 2020 on Stand N70.

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www.zpel.co.uk
Bunting has promoted Alan Why to the position of UK Sales Manager overseeing all external sales activity. Alan has successfully developed magnet-related business for Bunting over a seven-year period. The responsibilities of his new role cover a wider product range including magnets, magnetic separators and metal detectors.

Bunting is one of the world’s leading designers and manufacturers of magnetic separators, metal detectors, magnets, magnetic assemblies and magnetising equipment. The Bunting European manufacturing facilities are in Redditch, just outside Birmingham, and Berkhamsted, both in the United Kingdom.

Since joining Bunting in 2013, Alan has successfully grown business for magnet-related products in the automotive, mechanical, and electrical industries. Alan achieved particular success in introducing an expanded range of magnetic catches to manufacturers of kitchen cabinets.

Alan’s engineering career began as a radio-frequency (RF) electronics design engineer and evolved into the role of Sales & Marketing Director of a small electronics company serving the defence electronics market. As a field-based Sales Manager, he believes in developing close relationships with customers. Only then does he believe that it is possible to fully appreciate and understand a specific magnetic application and, subsequently, recommend the optimum magnet solution in terms of material, shape and size.

As the UK Sales Manager, Alan’s responsibilities cover an expanded industrial and geographical area. As well as continuing to support customers with magnet-related requirements, Alan will also be working on projects in the recycling, quarrying, and process industries.

“This is a very exciting opportunity,” said Alan. “The Bunting brand has never been stronger in the UK and I am looking forward to co-ordinating the strategy and implementing the plans to further expand our customer base.”

“Alan is a well-respected and experienced member of our sales team and has the vision to take us forward,” explained Simon Ayling, Bunting’s European Managing Director. “We believe that having a strong external sales team is important. Alan has the necessary experience and skills to further develop that sales team.”

Alan Why assumes his new position in January 2020.

For further information, please contact us on press@buntingeurope.com or visit our website www.mastermagnets.com
CamdenBoss launches its most innovative smart enclosure to date

CamdenBoss, a leading manufacturer of precision engineered interconnection components and electronic enclosures, has kickstarted the new year with the unveiling of its latest enclosure addition. The 1500 series universal smart enclosure features 45° angles providing versatility whilst remaining in tune with the premium quality expected from CamdenBoss.

This enclosure brings with it one size and three colour options including black, white and grey. Further options include a solid or vented base that lend themselves towards specific applications such as room sensors, access control, lighting management or smart temperature devices. Moulded in a U34-04 material, the 1500 series comes with a top cover featuring a recess ideal for overlays, keypad membranes or digital printing; along with a base which can be attached to with the use of only a single screw for quick and easy assembly. Both halves are equipped with multiple mounting bosses at different levels to provide a design engineer with plenty of options when deciding on the position and layout of the PCB’s.

The corners of the base have been cut to leave 45° angles, adding two more usable faces to the enclosure. By doing this, a variety of surface mounting options are possible, increasing the diversity of applications available. With the use of the well-developed mounting bracket, the enclosure has been designed to be used in the corner mounting orientation, dealing directly with issues that are faced within the industry for installers and designers.

In some circumstances regular 90° walls cannot be guaranteed and this then creates problems. However, the 1500 series does not succumb to this issue and will mount in irregular walls without hassle. In addition to corner mounting the 45° mounting style also opens up avenues for tilted door entry systems such as keypads and biometrics or mounted above a door for motion entry further standing as a kit, it has all of the necessary components to get you started, such as the 45° bracket and screws. CamdenBoss helps you get the most out of the enclosure with only the PCBs designed to worry about.

All of this has been engineered stylish and designed around the market today, dealing directly with the issues and requirements that engineers are crying out for - and all at an incredible price. CamdenBoss also offers full in-house customisation such as digital printing, CNC cutting and coatings should you require them. Ongoing support in the form of assembly and marketing videos highlight the many features and benefits that make the 1500 series the pinnacle of what can be expected from this world-class manufacturer.

All of this information can be found on their dedicated web page or individual SKU pages, alternatively the sales team are on hand to discuss any enquires you may have.

www.camdenboss.com/1500-series
Sales@camdenboss.com

If you have a problem, take a closer look

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www.camdenboss.com/1500-series
Sales@camdenboss.com
Precise gundrilling machines for all industries

UNISIG was established in 1981 by the Swiss Industrial Group (SIG) and the US company United Technical. In 1995, UNISIG was acquired by Entrust Manufacturing Technologies Inc., which allowed for further growth in innovation and expertise with heavy investments in UNISIG’s deep hole drilling machines. Offering tools, automation systems and machines for any deep hole drilling purpose, remaining at the forefront of its industry and constantly developing its products to provide the highest quality solutions.

UNISIG has offered tools, automation systems and machines for any deep hole drilling purpose, remaining at the forefront of its industry and constantly developing its products to provide the highest quality solutions to its customers. As one of the largest producers of deep hole drilling machines in the world, UNISIG’s customers range from small job shops all the way to large OEMs that need to drill millions of holes. Certainly, with such a wide-ranging customer base, it is essential that UNISIG maintains a steadfast commitment to upholding its industry-leading services, a standard which has been sustained since its inception 38 years ago. “UNISIG is always working to build heavier, more rigid machines,” explained Philipp Steimle, Managing Director. “These are capable of drilling the toughest high-alloy steels, not just once but day in day out, for major players in the oil field and aerospace industry. We are heavily focused on improving deep hole machining as a whole, by spending around €2.8 million in research and development every year.”

Indeed, UNISIG possesses a strong understanding of the deep hole drilling process, drilling tools, and their applications, gaining years of experience from solving real problems for customers and learning what they need from the machines they use. UNISIG then applies this knowledge to its systems, not just reaching performance standards for deep hole drilling machines, but setting them, driving constant improvement and benefiting the entire industry.

Offering a full range of machines, UNISIG has standard models which can drill holes of less than 1 mm diameter in titanium medical components, while on the other end of the spectrum they can build machines that drill holes which are 500 mm in diameter and over 10 m deep in huge high strength forgings.

UNISIG’s USC-M series is for manufacturers who have the opportunity to benefit from a combination of deep hole drilling and milling operations. The machines in this series maximise production by offering the fastest deep hole drilling with milling, with 5-axis positioning in order to perform a range of complex machining in a single machine and setup. Offering a full range of solutions for manufacturers, the USC-M series includes heavy weight table capacities, a rotating A-axis, automatic tool changers and intuitive controls on each machine.

“We are also currently upgrading our UNI and UNE series of gundrilling machines, which are mainly used in industrial environments, contract manufacturing shops and the medical field. Simplifying integration of automatic loading and versatility will reduce cost and lead times significantly. What’s more, UNISIG has just invested in a 3,100 m2 climate controlled extension of our headquarters in Menomonee Falls, Wisconsin, USA, in order to house the Tech Centre for engineering and gundrilling machine assembly.”

Offering unparalleled technical expertise, UNISIG offers remote and on-site services in order to help maximise the value of the investments its customers have made in their equipment. Indeed, these machines can be installed and supported anywhere in the world, thanks to UNISIG’s global network. What’s more, when a standard machine isn’t the most appropriate solution for a customer, UNISIG is able to engineer a custom solution to better meet their needs, while maintaining the same standards of performance and service found in its standard machines.

As a supplement to this global presence, UNISIG attends over 15 shows every year to raise awareness of its products and services. As well as being present at numerous trade shows, UNISIG also has a website where you can find out more information about its full range of machines and technical services. Alternatively, you can get in touch using the contact details below.

Contact
T +49 (0)7125 9687590
info@unisig.de
www.unisig.com
UNISIG is the world’s leading supplier of the complete deep hole drilling system, offering machines, tools and automation systems whilst working closely with each and every customer to ensure that their drilling project requirements are met. A complete dedication to support and customer satisfaction helps stand UNISIG out as the number one supplier worldwide.

Founded in 1981 by Swiss Industrial Group (Sig) and the US company United Technical, UNISIG provided deep hole drilling equipment technologies to the US market. A company called Entrust (established in 1973 by John Korosec) acquired the UNISIG brand in 1995 as a product division of Entrust and this coupling helped UNISIG redefine performance expectations in the deep hole drilling market, worldwide. Ever since this merger, UNISIG has dominated the market with its industry leading technologies and continues to radically reduce lead times on projects through its innovations and expertise. I had chance to interview Philipp Steimle, Managing Director of UNISIG’s European Sales branch to find out more about the company.

“UNISIG deep hole drilling systems consists of machines, durable tooling and automation, and are designed to meet the highest performance standards possible. Products are engineered and manufactured in the USA using metric hardware, and include the integration of premium components such as FAG, INA, Parker, Rexroth, Rohm, Schunk, SKF, Wittenstein Alpha and ZF. Products are designed following all applicable ISO, DIN and IEC standard, and are exported worldwide.”

UNISIG supplies their products and services to a wide variety of clientele including automotive, defence, oil and gas, energy, aerospace and medical companies to name a few, but any sector that needs deep hole drilling will benefit from what UNISIG offers. “UNISIG deep hole drilling machines are proven with industry leading manufacturers in all regions of the world. UNISIG is chosen for its ability to consistently meet vital demands of tolerance. UNISIG stands out among industry players for its skills in handling large, complex projects including multiple machines and automation, process development and tooling testing, as well as custom engineering and turn-key projects.”

UNISIG’s latest line of machines, aimed at the mould industry, follow UNISIG’s usual trend of creating solutions that are refined and efficient. Mould manufacturers are faced with the challenge of handling large workpieces that require deep hole drilling as well as machining with maximum precision. UNISIG’s mould drilling and milling machines are specifically designed with market input to combine operations, reducing setup time and effort, increasing accuracy, and eliminating design restrictions of traditional machining centres.

“We are currently releasing a whole new line of machines targeted to the mould industry, models USC1, USC2, USC3 that can finish mould production in maximum 2 setups which cuts down production time dramatically while being extremely cost-effective.”

If you would like to find out more regarding the deep hole drilling machinery, other products and services UNISIG offers follow the link below for their website, or alternatively speak to them directly regarding your requirements and UNISIG’s professional and friendly team will support you every step of the way.

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www.unisig.com

Drilling deep to success
Increase your mold manufacturing versatility using the power of gun-drilling with the leaders in deep hole drilling, UNISIG. Offering complete solutions for everything from simple to complex mold components, UNISIG machines help moldmakers improve efficiency, throughput and precision with outstanding part-processing versatility at an exceptional value.

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Find out more at www.UNISIG.com
Expert innovators in deep hole drilling systems

Here at Industry Update, we are committed to showcasing the very best products from industry-leading companies. One such company is UNISIG, who’s USC-M Milling and Drilling Centres and USC-TS Tube Sheet Machines are revolutionising the deep hole drilling industry in numerous applications and requirements.

UNISIG was established in 1981 by the Swiss Industrial Group (SIG) and the US company United Technical, and is a leading provider of complete deep hole drilling systems. In 1995, UNISIG was acquired by Entrust Manufacturing Technologies Inc., which allowed for further growth in innovation and expertise, investing heavily in UNISIG’s deep hole drilling machines. Offering tools, automation systems and machines for any deep hole drilling purpose, UNISIG is at the forefront of their industry, constantly developing their world-leading products to provide the highest quality solutions to their customers.

Their USC-M series is for manufacturers who have the opportunity to benefit from a combination of deep hole drilling and milling operations. The machines in this series maximise production by offering the fastest deep hole drilling with milling, with 5-axis positioning in order to perform a range of complex machining in a single machine and setup. Offering a full range of solutions for manufacturers, the USC-M series includes heavy weight table capacities, a rotating A-axis, automatic tool changers and intuitive controls on each machine.

The models in the USC-M series are available in a range of capacities and options, with either engineered universal or dedicated spindles. UNISIG offers these in three different configurations: universal gundrilling and milling combination spindle with quick changeover for a range of operations in a single machine; dedicated spindles for BTA+ gundrilling and milling, for powerful machining capabilities and improved feed rates; dedicated spindles for BTA+ gundrilling and milling, plus robust options for an ultimate milling and drilling performance.

USC-M series also comes with a range of machine options, including: Heidenhain glass scales, offering direct feedback in order to improve axis positioning accuracy and repeatability; Renishaw wireless probes allowing workpiece verification, job setup and inspection; automatic radial and axial tool setup to improve accuracy and reduce tool breakage; automatic tool changers with up to 120 tools; modular fixturing to reduce setup and allow for process planning; and dual pallet loaders to allow for automatic workpiece exchange, improving machine utilisation and unattended machining.

Another of UNISIG’s innovations is its USC-TS series for tube sheet deep hole drilling. Certainly, there is no room for error when tube sheet manufacturers require thousands of precision holes in large and high-value workpieces, and this is where UNISIG’s USC-TS series can help. Using multiple spindle configurations and programmable positioning, UNISIG’s machines bring confident drilling to heat exchanger tube sheets.

This accurate drilling in fast cycles means that manufacturers can drill more holes with improved accuracy and without risk. The machines have almost limitless weight capacity, extremely large travels, and high efficiency BTA and gundrilling, all on a rigid machine base and column. The spindles are independent and available in two, three or five spindle configurations, and all the USC-TS machines are based on proven USC column-type machines, which have been designed for the specific demands of the tube sheet industry.

With nearly 40 years of experience in deep hole drilling systems, UNISIG is well placed to offer the very best machines in the industry, providing their customers with the reassurance of world-leading expertise and manufacturing skill. If you would like to find out more information, head to their website where you can find the full range of UNISIG’s products and services. Alternatively, get in touch using the contact details below.

T +49 (0)7125 9687590
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A common problem in organisations where several different pallet sizes are used, for example in the packaging, paper, beverage and furniture industries, is that it is hard to find the optimum length of forklift forks because they are either too long or too short. If the forks are too long, they will protrude through the rear of the pallet when they are being inserted into it and catch any load located behind it when they are raised. This will damage the pallet and possibly the product, and in the worst case, someone could get injured.

Meijer Handling Solutions introduced its KOOI® ReachControl; a patented system that includes a flowmeter (base unit 100x80x60 mm) and an app to operate the system. This flowmeter can detect the amount of oil flowing through the reach forks. Specially developed software can be read using an app that is compatible with standard Android or iOS smartphones. The more extensive version of the KOOI® ReachControl features the ability to stop the outer sleeves at certain set lengths (at least 8 pre-sets).

Customers can enter the variables themselves and allocate a specific name to each setting. The system can be mounted on any telescopic fork as no modifications to the reach forks are required. Without the automatic stop function, the system can be rapidly 

ReachControl features the ability to stop the outer sleeves at certain set lengths (at least 8 pre-sets).

The auto-stop system features a special valve. In addition, a power supply is required because otherwise the battery in the KOOI® ReachControl would run down too quickly.

Although the app can be downloaded to any modern smartphone (iOS/Android), Meijer Handling Solutions recommends purchasing the specially developed 5” colour monitor because this can be connected to an external power supply and features a sturdy casing. The KOOI® monitor can also be operated while wearing most commonly worn work gloves, and when used in conjunction with KOOI® ReachControl, it offers one of the most innovative solutions in the field of pallet damage prevention.

Specifically, we will list all the important benefits:
- No modifications on existing and new ReachForks
- Ideally for after sales purposes
- Usable on all brands of telescopic forks
- Programmable by mobile app (Android / iOS)
- Free choice in numbers of pre-sets and naming
- Automatically connection with Bluetooth® signal
- More systems can be used in same area.
- No wiring needed (without auto-stop).
- Including standard tilt indicator

Optional:
- Auto-stop valve
- Power supply 12-24 Volts
- 5” colour monitor
- External power supply (12-24 Volts)
- Sturdy casing and modern design
- Can be operated with most commonly work gloves
- Forklift pillar tablet mount

For more information please contact:
Meijer Handling Solutions
T +31 (0) 518 49 29 92
www.Meijer-Handling-Solutions.com

Stretch wrappers & packaging

Packaging provider, Hazel 4D, and pallet wrapper manufacturers, Atlanta Stretch, exhibited together at the PPMA Total show.

They’ll be showcasing three stretch wrappers. The Mytho Easy wrapper has a 25mm low profile turntable and is great for high volume pallet wrapping. The high-tech film carriage can stretch film up to 400%. The compact SFERA Easy Touch robot wrapper has the same advanced carriage but can be used anywhere to wrap any size of pallet. The Marathon is a safe alternative to manual wrapping. Operators can push the machine forward around the pallet to wrap it without bending down, reducing the risk of back strain.

Hazel 4D will demonstrate its Nuevopak recycled paper void fill machines and Lockad Air machines, alongside a winder cart that collects air cushions as they’re produced.

Contact
T 0113 242 6999

1 Minute maintenance – an AmbaFlex service innovation

What started as a small idea presented during a coffee break is now celebrating its 5th anniversary as a global service. Our 1-Minute Maintenance program is a series of easy to follow video instructions that are accessed through strategically placed QR codes on the machine’s maintenance points.

These codes give mechanics around the world the chance to service our products in the field anytime and anywhere — without having to go through training or worrying about finding the right manuals.

With many of both our regional and global customers invested, we can safely say we struck gold with our 1-Minute Maintenance program. And, thanks to our early investment, we have a big head start on our competition, allowing us to dive even further into uncharted ‘service innovation’ territory.

Check out the Introduction video: https://youtu.be/d-gm-xYBXmo or scan the QR code and contact us for more information through our website www.ambaflex.com
Europe’s Largest Digital Manufacturing Expo

Digital Manufacturing Week 2019’s Smart Factory Expo was a buzzing atmosphere once again on the 12th – 15th of November 2019. Welcoming manufacturing professionals across the globe, the three day event is Europe’s largest digital manufacturing show and is comprised of dozens of manufacturing events and presentations. Digital Manufacturing Week hosts the latest developments in industry technology and provides a home for the digital manufacturing industry to share and adopt these technologies.

Taking place at the Exhibition Centre Liverpool, the expo hosted more than 6,000 visitors and showcased 200+ world-class exhibitors, spanning across 12 theatres. The expo is a great platform for companies to showcase their latest innovations and services and provides key industry leading speakers sharing ideas and processes.

The event provides vital industry insight and a chance to network with new potential connections. Smart Factory Expo is back again in 2020 at the Exhibition Centre Liverpool on the 10th – 13th of November.

For any further information please see the details below.

www.digital-manufacturing-week.com

Innovative asset condition monitoring solution

Asset Insight Manager 4.0 (AIM) is an end-to-end asset management and compliance monitoring solution. This involves capturing, monitoring, analysing and segmenting key data to provide useful insight into an asset’s performance and health condition in near real-time.

AIM is a data driven IoT technology that is divided into EMS (Environment Monitoring Solution) and AMS (Asset Monitoring Solution). Our goal is to provide a comprehensive insight into an equipment’s condition both externally and internally, where AMS monitors an asset’s condition and health status and EMS monitors its external environmental condition around an asset. This enables both prognostic and diagnostic asset management system, saving a lot of time and costs involved in case of an asset’s downtime.

Our current projects include Predictive failure analysis of Baggage Handling System (BHS) at one of the major UK based airports, condition monitoring of assets for a major client based in the chemical industry and many more.

Our end goal is to provide our clients with not only asset level, but also operational process level and Enterprise level performance insights in order to drive real business value.

For more information and to book a demo please get in touch with Stephen Harrison at Stephen.Harrison@asset-handling.com or on 0845 075 5886

Hexsor impresses with next-generation intelligent sensor solutions

A ground-breaking range of “portable laboratories” designed for use in the water and oil industries won acclaim from attendances at November’s Smart Factory Expo, Europe’s largest digital manufacturing show.

Developed by Liverpool-based technology company Hexsor Scientific, a world leader in the design and implementation of sensor technologies for in-field analysis of airborne, waterborne and soilborne contaminants, the industry-first smart product range combines leading edge spectrometry with a bespoke Internet of Things (IoT) software infrastructure.

Boasting delivery to deployment in minutes, and with no specialist training required, Hexsor’s family of products enable high performance, laboratory-quality analysis of environmental contaminants in-field, in real-time and at a fraction of the cost associated with in-lab characterization. Designed for use across a range of contexts including industrial and commercial heating and efficient systems, oil and water pipeline and storage and water supply and sanitation infrastructure - the benefits to users are clear: minimal wastage, improved incident prevention and detection, reduced system down-time and optimised budget.

As industry adapts to balance growth with the need to mitigate negative environmental and societal impact, Hexsor offers solutions to meet the challenges of sustainable development.

Contact

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HVM Catapult can help you achieve step-change in your performance

The High Value Manufacturing Catapult is the go-to place for advanced manufacturing technologies in the UK. We have seven world-class centres of industrial innovation with a burning ambition to grow your business by helping you turn great ideas into commercial realities.

We provide access to the specialist equipment and expertise you need to help investigate new technologies and processes and test their application in your operation. We help you strip away the risks of innovation and make sure that you only invest when you are confident that your idea can be scaled up to deliver on a commercial scale.

Our services are available to firms of all shapes and sizes from FTSE-listed companies to small firms deep in the supply chain. Our offer is built on:

- capability which spans basic raw materials through to high integrity product assembly processes
- world-class facilities and skills to scale-up and prove high value manufacturing processes
- a network of leading suppliers who contribute to keep UK industry supply chains
- a partnership between industry, government and research in a shared goal to make the UK an attractive place to invest in manufacturing

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Starling – paperless work instructions

Training against work instructions is built into the system. Training matrices are automatically built and updated when a document changes. This removes the manual process of updating training matrices every time work instructions are updated. Our customers attest more confidently knowing that operators only have the latest version available.

A few of the top features from our customers are:
- Training gap analysis – being able to identify where training shortages are.
- Videos – they are quick to make and much easier to understand than text.
- Automated version control – this gives confidence in an audit that everything is up to date.

For enquiries please contact us at info@starlingsolutions.co.uk or call us on +44 (0)1858 322302. You can also find more on our website: www.starlingsolutions.co.uk

Reduce your CO₂ emissions with A|2|O Innovation Solutions Ltd

A|2|O Innovation Solutions Ltd provides various technologies for weight reduction, operational efficiency and CO₂ emissions reduction. With carbon dioxide emissions remaining a key contributor to global warming, it is essential that they are reduced. Because manufacturing and transportation are significant contributors to these emissions, A|2|O is developing technologies to increase the efficiency of manufacturing processes, simplify the adoption of lightweight solutions and consequently reduce carbon dioxide emissions.

This is achieved through innovative composite material manufacturing processes and material agnostic structural health monitoring, using a system known as CHASM which is currently being developed into a commercial product. Often, advanced composite materials are used for weight reduction, and A|2|O is focusing on removing the barriers to the adoption of such materials, by lowering component production costs and increasing manufacturing throughput.

Furthermore, A|2|O’s CHASM product enables cost-effective predictive maintenance.

If you would like to find out more information on A|2|O’s current ground-breaking technologies, then please visit our website or get in touch using the contact details below.

T +44 (0)1925 751534
www.a2ois.com

Securing the Supply Chain

The National Cyber Security Centre warns that UK firms face a rising cyber security threat. 91% of attacks originate from email and the resulting human interaction.

Mersyside based GeDaP (General Data Protected) have released SEE (Secure Email for Everyone) which seamlessly authenticates and encrypts email to mitigate the risks and safeguard the Supply Chain.

Existing mail based on MIME is inherently insecure as it does not authenticate identity, whilst data remains in text format comparable to postcard communication.

A software supply chain attack represents an insidious threat, with phishing, or spoofing, and Man-in-the-Middle hiding malicious code within software that your users trust. Hackers can smuggle their malware onto hundreds of thousands of computers in a single operation, creating significant costs and irreparable harm to your reputation.

SEE is based on SMIME which is available in all the standard email applications (Outlook, Mac Mail etc) uses PKI certificates (the NATO/GCHQ security recommendation) from an international QTSP achieving elDAS compliance. SEE mitigates Phishing and Spoofing categorically establishing a sender’s identity whilst the content and any attachments are securely encrypted.

Contact Ian Young (Enquiries@gedap.co.uk)

The tech dept

Established in 2004, The Tech Dept wants to release the potential of UK manufacturing. To do this it uses a unique process called The Tech Bootcamp™ which improves digital with less upfront cost, and was featured in the 2019 Parliamentary Review of UK digital best practice.

“We used to help big name companies innovate, but realised our skills were better applied to help manufacturers improve productivity,” explains founder and CEO Dan Kirby.

Kirby is keen to highlight the company is not a consultancy, it’s a team of software engineers. “We actually make stuff!” he says. Indeed, The Tech Dept has some high profile credentials, having built the BBC Children in Need fundraising platform. It then refined the platform based on financial data, resulting in record levels of donations. They also built the global BAE Systems intranet in collaboration with the in-house IT team.

“We focus on improvement, because that’s what you want – not our preferred technology platform – and we take small steps to reduce cost, which we then measure so you see the results,” says Kirby. “By doing that over and over you get digital fit. It’s actually very easy, but digital consultants and software companies don’t want you to know that.”

The company has published a book which details The Tech Bootcamp™method, and other practical insights from fifteen years making digital, which is available to download for free at its web site.

www.thetechdept.com

Lubrication system for linear guides

‘double service lives’

SKF has announced a lubrication system for linear guides that it says provide an “entirely new level of long-lasting lubrication”.

The K1-L system, launched in 1996 and can supply oil for nearly twice as long, ensuring extended maintenance-free operation.

The system cuts resource and energy consumption through longer service lives, low friction and reduced oil usage. Relying on regular maintenance to apply lubricant to linear guides is time-consuming and costly, particularly as it requires machinery to be stopped. The new system overcomes this by improving the capacity of the lubricating oil supply, thus extending maintenance intervals. The result is an increase in uptime and productivity, while maintenance costs are cut. A newly developed mean allows it to be supplied for nearly twice as long as the K1 system. The special shape of the K1-L reduces dynamic friction forces by about 25% when the slider moves along the rail of a guide, while a newly developed protective casing helps to maintain structural integrity and to impede the entry/release of dust and other particles.

Initially, the K1-L will be available for NSK’s standard NH and NS series of linear guides, and will be extended to other models in future.

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Protechnic have been manufacturing specialist cases in the UK for over 30 years and during that time have developed a number of unique products that are ideally suited for the safe protection of equipment in transit. Keith Judson MD takes up the story:

It takes a long time to build a company from a standing start and even longer to establish a reputation for quality and service, but I am proud to say that Protechnic has become one of the industry leaders in bespoke case design and manufacture. Much has changed since the inception of Protechnic some 30 years ago, but we still hold true to our values of continual development and improvement, one of our axioms is that ‘you should not let your last good idea be your last good idea’ and our expert team of engineers are always looking for ways to develop our products, and incorporate the latest materials technology, our design ethos is to make our cases stronger, lighter and more cost effective, always with a keen eye on what the customer needs.

In our quest for excellence we have such pioneering products as the Smart Case, Exo Case, Nio Case, MultiPad.

The Exo Case, in particular, is a patented product and is truly ground-breaking in the world of transit cases. We take great pride in the quality and service, and accordingly we are ISO 9001 accredited, and we are fully committed to the concepts of continual improvement as enshrined in the latest ISO standard.

We know from experience that a successful company is not just about great products – it is about the ability to connect with and listen to the needs of our customers. Our bespoke design and finish service enables us to fully customise our solutions to match the technical requirements. It is testament to our customer service that we are still supplying some very longstanding customers from the early days of Protechnic.

Together with our bespoke products, we have a vast range of injection moulded, vacuum formed and rotomoulded cases that enable us to offer the perfect solution across many industries including oil and gas, aerospace, MOD, medical, automotive and many more, in fact just about any application that requires the safe transit of equipment. Our capability extends to foam engineering and we are able to specify and design the case interior to suit the requirement, based on the fragility of the equipment to be housed and the shock/vibration characteristics of the application.

Our product designs are driven by our customers, from a simple transit case to very involved designs for transporting highly valuable and delicate equipment. We treat every requirement with the same ideology – what would be the best solution for our customer. There are many drivers in a case design, it may be cost, strength, weight, protection, aesthetics, timescale and we operate in a very wide range of industries that bring their own particular demands, but our skilled team of design engineers will establish the essential criteria in sufficient detail to allow our estimators to offer the most competitive solution. Please contact us to discuss your requirements.

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Hager has seen many changes since its Company of the Month.

As a British manufacturer, Imtex Controls prides itself on the quality of its products, striving for only the highest standards to ensure its portfolio is unrivalled in durability and reliability. This also results in its products having a long service life and thus a longer lifetime value. The company commonly receive Camtorc Actuators back only for minor maintenance after around 30 years of service on a rig, a prime example of the longevity of Imtex Controls’ products.

What's more, Imtex Controls always endeavours to ensure its products are unique, and they are designed by its engineers to be specific to each industry in which they are operating. In addition to this, the company offers bespoke engineering solutions for customers who have a specific issue that cannot be solved by off the shelf products.

One of the company’s notable innovations is the Camtorc TripGuard. When operators employ shut down valves to prevent dangerous plant conditions developing, the concept of Partial Stroke Testing (PST) has been promoted to improve efficiency, reliability and safety. Unfortunately, many operators choose to not utilise PST capabilities, because of the associated role of a spurious trip occurring. The introduction of the Camtorc TripGuard eliminates the risk of spurious trips, allowing operators to get the full benefit of PST implementation.

The Camtorc TripGuard has three functional elements that work together: Camtorc Pneumatic Spring Return Actuator, ValveScan VSD Controller, and Dedicated PST Solenoid. It ensures that the Camtorc actuator operating the valve is never fully vented during PST. Even if a component in the PST system should fail, the actuator is unable to fully close the valve unless the main ESD system de-energises the valve system's primary ESD solenoid. The result is a guaranteed no closure on PST while the ESD system remains fully available for closure in the event of an ESD trip occurring.

With the issue of sustainability on everyone’s mind, Imtex Controls is raising awareness of its products within the Low Carbon Energy market. The company is already delivering solutions for this growing market, as its Imtex Valve Communication and Camtorc Actuator products can be employed for use in blue and green hydrogen production systems, carbon capture and storage schemes, biofuel production processes, and waste to energy projects. Certainly, Imtex Controls’ products deliver greater efficiencies and sustainability for these projects, helping companies to achieve their low emission targets. In addition to this, Imtex Controls is developing new products to significantly improve the energy requirements associated with automated valves, helping existing industries to reduce their carbon footprint while maintaining and improving their plant controllability. Indeed, Imtex Controls is constantly innovating and looking to develop products to address real market challenges and demands, and has recently launched the revolutionary Valve Diagnostics Monitoring System. This system is a field mounted device that can fit on any type of actuator and will record the valve’s movements and log real-time data to a cloud-based dashboard system. It can monitor every aspect of the valve and give feedback on its health, so an operator can determine when it will require servicing or replacing. This is particularly important in preventing unscheduled rig shut downs and ensuring servicing during maintenance windows, therefore allowing the rig to operate more efficiently. Most notably, the system is cheaper than installing a smart monitor and is one of the only systems currently offering this service in such a simple end-to-end system, making it a true IoT innovation.

If you would like to find out more about Imtex Controls, head to the website or get in touch using the contact details below:

T 08700 340002
sales@imtex-controls.com
www.imtex-controls.com

With the increase in remote working, the company is often asked about the benefits of PST and why it is necessary. Michael stated, “PST is an essential component of any valve control system and is a requirement for the safe operation of valves in hazardous applications.”

The PST system offers several benefits, including:

- Improved valve reliability and performance,
- Reduced maintenance requirements,
- Enhanced safety and compliance,
- Reduced risk of valve failure,
- Increased operational efficiency.

These benefits are crucial in industries such as oil and gas, petrochemicals, and power generation, where the failure of a valve can have significant consequences.

Imtex Controls has been selected as our Valve Automation & Communication Systems Company of the Month. Established in 1990 by Ian Turner, the company is a privately owned and family run engineering and design manufacturing company, run by Ian and his two sons, Paul and Matthew Turner.

The company is based in Deeside and with offices in the South of England, as well as sales representatives across the UK, Imtex Controls specialises in the production and supply of advanced, high integrity valve actuation, communication and control systems for the energy, marine and process industries.

Wiesner-Hager develops and designs architectural structures and Wiesner-Hager provides office and furniture concepts.

“We manufacture furniture for the commercial, education, hospitality and health sectors. Increasing efficiency while ensuring that employees are happy in their work environment - these are the pivotal issues we address by designing imaginative office and furniture concepts for our customers. Our scope of services includes Office Consulting, Interior Design, and Furnishing.” Michael Lambrianos, Managing Director.

Wiesner-Hager maintains its head office in Attnacb, Austria. With a growing global presence, the company has two production facilities in both Austria and the Czech Republic with five subsidiaries in Germany, Benelux, France, the UK and the Czech Republic.

Wiesner-Hager has developed a mould-breaking interior design concept perfect for the agile working environments. M.zone is comprised of elements such as room dividers, modular and stand-alone furniture pieces, which can be combined flexibly to create new working environments to suit client’s individual ideas and needs. M.zone is ideal for a wide range of application areas within the office architecture.

Another product that complements the M.zone is Cage-a cabinet system that impresses with its striking design language and authentic blend of materials. cage is the perfect solution for storage space and zoning. Using a great variety of materials, finishes and colours, cage gives designers and architects plenty of scope to create the look they want. In terms of storage space, cage helps to order and organize things, but also serves as a room divider and screen.

Working with a multitude of different sectors, Wiesner-Hager has provided services for end users, interiors and fit out companies, universities including- Oxford, Cambridge, Warwick and hotels such as, Accor, Radisson, Hilton, etc.”

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The company has been able to create products specifically designed for existing industries reduce CO2 emission targets. In addition to this, Imtex Controls is developing new products to significantly improve the energy requirements associated with automated valves, helping existing industries to reduce their carbon footprint while maintaining and improving their plant controllability.

Imtex Controls is constantly innovating and looking to develop products to address real market challenges and demands, and has recently launched the revolutionary Valve Diagnostics Monitoring System. This system is a field mounted device that can fit on any type of actuator and will record the valve’s movements and log real-time data to a cloud-based dashboard system. It can monitor every aspect of the valve and give feedback on its health, so an operator can determine when it will require servicing or replacing. This is particularly important in preventing unscheduled rig shut downs and ensuring servicing during maintenance windows, therefore allowing the rig to operate more efficiently. Most notably, the system is cheaper than installing a smart monitor and is one of the only systems currently offering this service in such a simple end-to-end system, making it a true IoT innovation.

If you would like to find out more about Imtex Controls, head to the website or get in touch using the contact details below:

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sales@imtex-controls.com
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The company has been able to create products specifically designed for existing industries reduce CO2 emission targets. In addition to this, Imtex Controls is developing new products to significantly improve the energy requirements associated with automated valves, helping existing industries to reduce their carbon footprint while maintaining and improving their plant controllability.

Imtex Controls is constantly innovating and looking to develop products to address real market challenges and demands, and has recently launched the revolutionary Valve Diagnostics Monitoring System. This system is a field mounted device that can fit on any type of actuator and will record the valve’s movements and log real-time data to a cloud-based dashboard system. It can monitor every aspect of the valve and give feedback on its health, so an operator can determine when it will require servicing or replacing. This is particularly important in preventing unscheduled rig shut downs and ensuring servicing during maintenance windows, therefore allowing the rig to operate more efficiently. Most notably, the system is cheaper than installing a smart monitor and is one of the only systems currently offering this service in such a simple end-to-end system, making it a true IoT innovation.

If you would like to find out more about Imtex Controls, head to the website or get in touch using the contact details below:

T 08700 340002
sales@imtex-controls.com
www.imtex-controls.com

Wiesner-Hager has developed a mould-breaking interior design concept perfect for the agile working environments. M.zone is comprised of elements such as room dividers, modular and stand-alone furniture pieces, which can be combined flexibly to create new working environments to suit client’s individual ideas and needs. M.zone is ideal for a wide range of application areas within the office architecture.

Another product that complements the M.zone is Cage-a cabinet system that impresses with its striking design language and authentic blend of materials. cage is the perfect solution for storage space and zoning. Using a great variety of materials, finishes and colours, cage gives designers and architects plenty of scope to create the look they want. In terms of storage space, cage helps to order and organize things, but also serves as a room divider and screen.
A Universal Alternative

Bond It, one of the UK’s fastest growing manufacturers of sealants, adhesives and building chemicals, has launched a new product to complement its already growing sealants range.

Super-Mate is a universal, high quality siliconsed acrylic sealant which is an economic alternative to silicone and waterbased sealants. It is suitable for use in a variety of interior and exterior applications and tests have shown that it performs better than many other silicones and sealants currently on the market.

Ideal for sealing in bath rooms and around bath tubs as it is antifungal and has more flexibility than other acrylics, it contains a powerful fungicide to prevent mould growth. It will also seal around timber, metal and PVC window and door frames and fill gaps and cracks in general decorating applications such as brickwork, stone, plaster and concrete. As it contains no solvents it will also bond polystyrene coving and tiles, cork tiles and wood block flooring.

Super-Mate has excellent adhesion characteristics and provides a permanently flexible long lasting seal which adheres to virtually any materials. It remains permanently flexible, is mould resistant, can be over painted and easily cleaned up with water; no solvents, no isocyantes, no mess - a truly universal product: one tube does all.

For more information on Bond It contact our Sales Team on 01422 315300 or visit www.bond-it.co.uk

Hardware Warehouse is a UK online retail store, specialising in metal and plastic profiles, sheet metals, hooks and fixing accessories. As well as having a large stock holding, we also offer next day delivery as standard, meaning you get your order as quickly as possible.

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Our products are widely used in numerous applications and industries, including glazers, engineers, designers and plumbers to name a few.

The majority of our profiles are available in 1m and 2m lengths. If you have a commercial address you can benefit from reduced 2m delivery rates by simply registering as a business customer with us.

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New 10KVA with extra 16AMP light circuit

Leading construction site electrics specialist Site Power UK are pleased to launch their latest 10 KVA 110volt safety Transformer the SITE10 XLC – wound in copper for low temperature operating.

Extra Internal 110volt light circuits give total control through its own dedicated MCB panel. 2 x 16 amp internal outputs for “Hard Wiring” safety lights are becoming the norm in today’s building sites.

MCBs are now Site Power UK branded and new hi-spec and colour coded for the voltage i.e. yellow (110 volts output) blue (230 volts input).

Best prices in the UK market as they are factory direct supplied and always in stock.

More details are available at www.sitepoweruk.com or technical help desk 0800 999 1103
Buehler celebrates 100 years of Wilson® Hardness

Legacy of Reicherter, Wilson and Wolpert in present-day hardness testing systems

Buehler, an ITW company, is celebrating the 100th anniversary of its brand Wilson® Hardness. In 1920, Stanley Rockwell and Charles H. Wilson, the founder of Wilson Mechanical Instrument Company, presented the Rockwell hardness tester, which subsequently became the industry standard. This was later followed by the legendary Tukon micro-hardness testers for Knoop and Vickers testing. These early inventions paved the way for the developments that are today reflected in the extensive portfolio of Buehler hardness testers and are famed for their user friendliness, full connectivity and high level of automation.

The Wilson® brand, which encompasses the Reicherter, Wilson and Wolpert hardness testers, has, since 2012, been part of Buehler’s product portfolio. Julien Noel, General Manager of Buehler, says: “We are proud of our 100-year legacy of Wilson hardness testing. Our products are nowadays the preferred choice for demanding labs that need to meet consistently high quality standards – in research and education as well as under tough everyday conditions found in industry shop floors. Continuing this long tradition, we will this year launch a new and improved Rockwell tester and further speed up the dispatch of hardness testing systems and hardness reference test blocks.”

Contact
www.buehler.com

TR-7 Series Simplifies Access to Data

The TR-7wb WLAN data logger with Bluetooth feature is ideal for temperature and humidity monitoring, and designed for those who require a broad range of measurement tasks. Recorded data can be automatically uploaded to T&D’s free of charge WebStorage Service, which is accessible anywhere and anytime by computer or mobile devices.

The App “T&D Thermo” enables the use of mobile devices for viewing data recorded by TR-7wb/w (wireless and wired LAN) series data loggers, as well as direct communication and operation with the TR-71wb, TR-72wb and TR-75wb via Bluetooth. These applications allow uncomplicated and cost-effective protection of various goods and processes in public buildings, warehousing of sensitive products, and the supervision of laboratories and refrigerators.

Contact
www.webstorage-service.com
www.tandd.com
www.facebook.com/TandDCorporationEurope

Radar: the better ultrasonic!

Next generation compact radar level sensors look destined to change level measurement in the water and wastewater industries.

New 80 GHz radar level sensors dedicated for the water and environmental sectors has been launched by VEGA. These 80 GHz-based sensors are priced to meet the commercial needs and applications in the sector with no compromise in capability. They use precision focusing to deliver accurate, reliable measurements, such as temperature, weather; fouling and they have no blocking distance.

This sensor is small sized and loop-powered – available as a compact fixed (IP68) cable connection or with a housing and display. The integrated power supply, together with the robust casing, allow for easy handling of the positioning aid with high immunity to interference. The cross laser ZRX can be used even in very harsh environments.

www.vega.com/vegapuls

New multifunctional detector for gases & refrigerants

MRU GmbH proudly presents their newly designed multifunctional Model 400GD measuring device, with hot plug and play sensing modules for multiple applications such as refrigerant and combustible leak detection, air conditioning and ambient CO or surface temperature measurement.

The push-pull sensor modules are automatically recognised and the colour, graphic type display will adapt accordingly. The user adjustable alarm threshold will trigger a red LED on the sensing module together with a haptic vibration of the base device (for leak detection). Power Li-Ion battery, rechargeable via mini-USB, ensures up to 20 hours of operation, while measuring results can generate a QR code for data transfer over a smartphone.

More Information online:
http://ilmt.co/PL/WEpa

Laser module for positioning

The ZRX red cross laser from 2 Laser projects a red or green cross of up to 5 x 5m at a distance of 4m. This is made possible by two powerful diode lasers in the casing, which ensure a high brightness level.

This robust laser module for positioning tasks can be used in all industries where a highly visible crosshair with thin lines is needed.

Main fields of application include aligning fabric on spreading tables, or CNC milling (for example in the wood industry).

The laser module contains two laser diodes of up to 20mW each. This allows for a particularly bright level.

This robust laser module for positioning aid with high immunity to interference. The integrated power supply, together with the robust casing, allow for easy handling of the positioning aid with high immunity to interference. The cross laser ZRX can be used even in very harsh environments.

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More Information online: www.mru.eu

Test & Measurement Update
Smooth performance in medical applications

Surgical motors deliver smooth performance for small bone orthopaedic applications. Surgeons performing small bone orthopaedic surgery need total control over the tools they are using. In an environment where success and failure can be measured by millimetres, there is no margin for error. Portescap has released three new surgical motors designed for orthopaedic saws, drills and reamers. The compact motors offer controllable, precise torque and have been tested to withstand 1,000+ sterilisation cycles.

Orthopaedic surgery is a broad category that treats a range of musculoskeletal conditions arising from trauma, sport injury, bone diseases, degenerative diseases, infections, etc. Where procedures are performed on small bones – such as vertebrae or those found in radiocarpal or talocrural joints – precision is key with every action. The surgical tools used need to deliver power in a smooth and controllable manner to ensure a positive outcome for the patient.

Portescap is a leading manufacturer of miniature motors for performance-critical applications. It’s at the forefront of sterilisable motor technology, having committed resources to research and development in the medical field; its motors have been used in millions of surgeries around the world. The latest additions to its range have been designed specifically with small bone orthopaedic applications in mind. The B0912N1016 small bone motor (9.6V, 36k rpm), B0912N4023 small bone gearmotor (9.6V, 1.1k rpm), and B0912N4024 small bone gearmotor (9.6V, 38k rpm) are sterilisable brushless DC (BLDC) motors that provide optimal torque and speed for drills, saws and reamers. They are well-suited for traditional surgical tools – in addition to robotically assisted surgical devices – and can be paired with a Portescap sterilizable controller for battery powered applications.

The motors deliver high peak torque capable of powering through the densest bones and feature customisable voltage to accommodate precise control for the surgeon. The 20mm diameter motors are lightweight and produce low noise and vibration to improve the ergonomic comfort and control in the hand – essential in long surgeries where fatigue may set in. To ensure reliability and cost efficiency, the motors have all been tested to withstand 1,000+ sterilisation cycles as well as exposure to saline and other foreign materials.

For design engineers looking to specify one of the motors in a prototype, standard motors are available with a short lead time. Where a customised solution may be required, Portescap’s R&D engineers are well-versed in medical device integration and are eager to collaborate. Typical customisation options may include hollow/cannulated shaft designs for wire drivers, custom shafts or housings or bevel gears to provide positional flexibility within the tool.

T 00 41 32 925 62 40
www.portescap.com

Compact and precise linear rail guides

EWELLIX
Makers in Motion

Ewellix, formerly SKF Motion Technologies, has launched a series of compact precision rail guides that are low noise, have precision accuracy and require minimal maintenance due to self-lubricating features for industrial and laboratory applications.

The all-stainless steel LLS Series includes a unique ball retention plate at the bottom of the carriage for additional robustness due to self-lubricating features for industrial and laboratory applications.

To learn more about Ewellix’s LLS Series, visit www.ewellix.com.

T 044 (0)1582 496747
www.ewellix.com

Tecan unveils Cavro® Magni Flex for next generation automated liquid handling development

Tecan has launched the modular and scalable Cavro® Magni Flex QOM robotic liquid handling instrument development platform. Offering the flexibility and functionality to quickly and easily create innovative solutions for virtually any life sciences application, this system provides the core robotic architecture for the development of complete automation solutions.

The platform’s liquid handling arm is available with a choice of two, four or eight independent pipetting channels, offers variable tip spacing capabilities, and can act as both a pipettor and gripper. The highly configurable workdeck and broad choice of labware formats enable Cavro® Magni Flex to accommodate a wide range of labware formats and devices. Supplied with Tecan’s MAVIP™ development software kit, the Cavro Magni Flex arms to accelerate instrument development and time to market.

To learn more about Tecan’s Magni Flex, visit www.tecan.com/cavro-magni-flex-modular-and-scalable-development-platform.

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www.tecan.com
Condensate kit designed by heating engineer

Invented by heating engineer David Smith, Condensate Pro prevents condensate pipes freezing in low temperatures.

Available in kit form to fit any installation (drain, rainwater, soil pipe and soakaway), with specially designed UV/water resistant lagging and seal and bond adhesive, all products fit onto 32 or 21.5mm overflow pipes.

Condensate Pro is said to be quicker and easier to install than alternative methods, lasts longer and can also be maintained by applying a maintenance coat when servicing the boiler.

“I invented Condensate Pro to help installers make sure boiler leakages are not due to a frozen condensate,” explains David Smith. “The trade had some bad press when the ‘Beast from the East’ struck and tens of thousands of homes were left without heating because of this issue. I have designed the product specifically to help installers save time and cost and to look professional.”

“Condensate Pro protects the installer, their customers and the boilers which breakdown due to condensate pipes freezing.”

www.condensatepro.co.uk

Coolair appointed for landmark office development in Gloucester

A conditioning specialists Coolair Equipment Ltd is to bring the latest energy efficient heating and cooling technology to a stunning new landmark office development in Gloucester.

The company’s Midlands office in Cannock has secured a contract worth more than £300,000 to install an air conditioning system with heat recovery that will simultaneously heat and cool different areas of the building forming the new apex of Gloucester Business Park at Brockworth.

The commission from M&E building services contractor Spie UK is aimed at creating a three-storey building that is both visually exciting and technologically advanced.

Coolair Equipment will equip the building with a new Hitachi IXV VRV (variable refrigerant flow) system combined with Daikin DX (direct expansion) condensers to serve the building’s AHUs (air handling units).

The VRV systems will deliver exactly the right amount of refrigerant to each air handled in turn which in turn will diffuse air at the required temperature to achieve a comfortable climate in each room all year round.

The discreet, quiet running and energy efficient system is specially designed to use the rejected heat from cooling sun-facing spaces to heat non-sun-facing areas simultaneously. It also has the added advantage of reducing the building’s carbon emissions and keeping operating costs low.

T 0161 342 6905
www.coolair.co.uk

Adveco Extends MD Boiler Range

Hot water and heating specialist Adveco, adds 10 new high-efficiency wall-mounted models to its popular MD condensing boiler range, with rated heat outputs of 15, 24, 34 and 60 kW for light commercial applications.

The wall-mounted variants of the MD offer the same high-quality patented titanium stabilised stainless-steel heat exchanger construction for exceptional strength and corrosion resistance, ensuring greater longevity. All the MD boilers feature efficient pre-mix burner technology to help control operational costs and significantly reduce NOX and CO emissions.

The MD15, MD24 and MD34 have two variants to accommodate either central heating only or DHW via an indirect water heater. A third variant of the MD24 and MD34 includes an integrated Plate Heat Exchanger for instantaneous DHW. The 60kW heat output MD60, available with or without an integrated system pump, is designed to meet the demands of commercial central heating.

Unlike many wall-mounted boilers, the compact MD offers integrated run/fault signal for connection to a BMS system. With 0-10 V input on the MD, a BMS system incorporating interior/exterior sensors can deliver automated heating control.

The range is supported by a seven-year parts and labour warranty when boilers are commissioned by Adveco.

www.adveco.co.uk

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T 0161 342 6905
www.coolair.co.uk
At the forefront of leading-edge stereo, digital and measurement solutions

Within this issue of Industry Update, we have recently selected Vision Engineering as our Optical Instrumentation Company of the Year for their ongoing commitment to providing the market with the most technologically advanced, ergonomically optimised optical and digital inspection and metrology technology.

Vision Engineering is a global, leading-edge manufacturer of unique ergonomic stereo microscopes, digital 3D visualisation equipment and non-contact measuring systems. Vision Engineering has over 60 years of experience, starting out as a specialist optical sub-contractor for large British companies including Rolls Royce, Vickers, Ferranti and GEC, the company has seen consistent growth since its inception.

Founder Rob Freeman started out as a toolmaker, working as a race mechanic with the Jaguar Racing Team. Whilst at Jaguar, Rob developed an optical instrument called a binoscope, for the inspection of internal race engine parts without the need to dismantle the engine. In 1958 he established Vision Engineering as a platform to develop his growing passion for revolutionary optical equipment. Mark Curtis, Vision Engineering’s Managing Director comments: “The Original Mantis filled the gap between a bench magnifier and a microscope. Mantis was an ergonomically and visual leap forward in optical inspection technology, going on to win numerous design and innovation awards. In a very short space of time Mantis became the benchmark for high performance stereo magnification, and since then, Vision Engineering has consistently developed leading-edge stereo inspection and metrology products to improve productivity and quality for many thousands of customers.”

Since creating this unique before, innovative stereo microscope, Vision Engineering has consistently challenged and offices, opened in 2017. In addition to the UK site, Vision Engineering also has multiple overseas subsidiaries in countries including America, France, Italy, China, Japan and India. The company also has a global network of fully trained distributors.

With global reach and a clear market advantage in its field, Vision Engineering is at the forefront of optical instrumentation technology. Providing the highest performing, comfortable and easy-to-use ergonomically optimised inspection and metrology equipment, Vision Engineering provides solutions for a whole host of different industry sectors, including: manufacturing, electronics, automotive, aerospace, life science, medical device manufacture and many more. “As an international company with over 230 staff members, 120 in the UK and the rest located in numerous locations globally, we have been exporting successfully for many years. Despite all of the uncertainty surrounding Brexit and other international issues, we remain dedicated to growing and expanding to ensure we are always giving our customers the latest advancements in ergonomics and technology.” Mark Curtis said.

One of the main benefits of Vision Engineering’s equipment is its ease of use for operators. Designed to enhance the operator’s productivity, Vision Engineering’s equipment is the perfect tool for a more efficient, durable and productive work experience. “Microscopes that use an eyepiece require users to hold a fixed viewing position, which can lead to stiffness in the neck muscles,” Mark explained. “Typically, the operators of this type of equipment will be doing repetitive tasks for up to eight hours a day, so Vision Engineering’s guiding principle has been making sure that its equipment is easy and comfortable to use for long periods of time, thus improving operator comfort and efficiency.”

Vision Engineering’s eyepiece-less equipment is an example of how the company listens and responds to the needs of the market; creating equipment that enhances efficiency by enabling users to have an easier observation without needing to precisely align their eyes with eyepieces. Greater freedom of movement is allowed which leads to more relaxed muscles, reducing the risk of neck and back strain. Another notable benefit of the equipment is that ergonomically optimised microscopes reduce eye fatigue, improve hand-to-eye coordination, and minimise the risk of repetitive strain injuries. Mark stated that, “Vision Engineering is a company fuelled by progression and innovation, ensuring our products are designed to deliver optimal working conditions for its customers.”

This year has seen some significant achievements for the global company; speaking with Mark he detailed some of the best achievements and new developments for Vision Engineering. “2019 has been an exciting year for new product launches. The launch of our innovative new glasses-free digital 3D visualisation technology, Deep Reality Viewer (DRV), has seen us move the visualisation and inspection markets forward in a completely new way. DRV delivers digital stereo 3D imaging in a unique, advanced presentation system providing fully interactive real-time natural 3D viewing and visualisation with outstanding depth perception.

Not only is the long-standing concept of glasses-free digital 3D viewing solved, but DRV also opens up new collaboration opportunities through its ability to send and receive 3D HD digital images across digital networks in real time. This revolutionary, next-generation 3D technology is a result of Vision Engineering’s sustained investment in optical and digital R&D. We’ve also strengthened our metrology portfolio with the launch of our first fully automated 3-axis video measurement system, the VIC-462. It’s designed to measure large components or multiple small components, quickly, easily and accurately, and, in keeping with our core principles it offers faster measurement and high accuracy levels, combined with ease of use for operators.”

In terms of the company’s future plans, Vision Engineering is dedicated to making 2020 another year of innovation and new product availability. Continuing its dedication to research and development and pushing the boundaries of optical technology, Vision Engineering has some exciting new product launches lined up for the New Year. “It’s an exciting time in our markets at the moment. Without question DRV is the next big thing, and we are taking this technology and addressing the drive for real time communicability found in the Internet of Things (IoT) and Industry 4.0.”

Mark continued, “We are sharing the information that our products generate, making it available to people no matter where they are, enabling new opportunities for valuable collaboration whether the other person is in the next room or the next continent. The DRV’s sharing capability creates exciting opportunities to collaborate with real time digital connectivity from multiple locations across the globe.” After a successful year for the company, we spoke to Mark about how Vision Engineering feels upon receiving this award, he told us that, “2019 has been a real success for Vision Engineering both in terms of our new product launches and also the market reaction to our innovative new technologies. It has been a year of recognition of our technological achievements, particularly with DRV and also validation of our guiding ‘vision-centred’ philosophy and exemplified by this award for our company. We are delighted to receive Business and Industry Today’s ‘Company of the Year’ award – what a great way to round off 2019!”

For any more information please see details below.

T: 01483 248300
www.visioneng.com
Perfect your Energy Management Skills with Prefect Controls

In this issue of Industry Update we have selected Prefect Controls as our Energy Saving Solutions Company of the Month for their specialist energy management systems. Established in 1997 by Glen Golding, Managing Director, Prefect Controls designs, manufactures and installs energy management systems to control heating, hot water and lighting systems. “We design, manufacture and install energy management systems for multi-occupancy dwellings such as student accommodation and hotels, along with controls for heating, lighting and other electrical apparatus that needs switching such as electric hobs,” Adrian Barber, Marketing Manager, continued. Providing the multi-occupancy accommodation sector with effective energy management, Prefect Controls enables landlords and property management companies to reduce fuel bills and carbon emissions. “We know that a lot of energy is wasted, particularly in student accommodation, because it isn’t controlled effectively,” Adrian added. “Our products ensure energy is only used when it is needed and save our customers money in terms of energy use. All of our products are also simple to use and easy to install.”

In terms of its products, Prefect Controls maintain three product ranges: Hobsafe, Ecostat and Prefectirus. The Hobsafe range is a great tool for limiting the amount of time a hob can be left on and reducing fire risks. The importance of this potentially lifesaving product is especially useful in accommodation or close living quarters where fires may spread quickly. “Hobsafe is a timer that prevents hobs having left active should the food prepare be distracted, i.e. students coming in late at night, putting some beans on to heat and then falling asleep!” Adrian said.

The Ecostat range of controls provides in-room temperature adjustments by the occupant, but only within set parameters. “The range has units that use PIRs to detect absence or presence, so that heat can be reduced if rooms are unoccupied and set back to lower temperatures. This is extremely useful for longer periods of absence such as Christmas breaks.”

A great feature of Ecostat is that it can detect any windows that are opened and reduces the heat input. “It also has a 7-day 2-event programme, however most accommodation managers prefer the 3 stage Boost, Comfort and Frost modes to maximise energy savings!”

Prefect irus is the company's flagship product that has specifically been designed for Student residences. It provides accommodation energy and compliance managers with the tools to monitor temperature, lighting, humidity, CO2 and decibel levels. Ensuring energy is only used when needed, Prefect irus allows users to monitor and make adjustments from anywhere with internet connectivity through an easy to use web-based portal.

“Prefect irus is proven to save 35% - 40% on energy costs and ensure students enjoy environments conducive to study. Prefect irus also monitors other environmental conditions such as air quality (light and sound levels),” Adrian elaborated. “By measuring humidity and CO2, Prefect irus can detect illicit cooking apparatus in rooms that don’t have kitchen facilities, likewise by being able to ‘see’ the temperature inputs into rooms, unauthorised fan heaters can be detected and removed, both of which are safety issues in terms of fire risk.”

Prefect irus is the perfect way to make sure that occupants are living in comfortable conditions while maintaining and adapting their energy use. Prefect irus enables users to control the temperature within individual rooms, switch heating on and off at predetermined times, measure energy use, detect open windows and unoccupied rooms and adjust the temperature accordingly.

Energy saving is complemented with maintenance benefits such as, detection of faulty third-party components and leak detection, while compliance reporting satisfies water safety plans.

Speaking of the company’s plans for the upcoming year and indeed the future, Prefect Controls has new projects lined up for 2020 and is constantly striving to provide more innovative and effective energy saving solutions for its customers. “Prefect Irus is a software product, there are always new features and improvements in the pipeline, 2020 will see the web-based portal have a significant facelift to make it more intuitive and user-friendly,” Adrian continued, “We are also developing the next generation Prefect Irus and Ecostat systems but not too much can be said about that at the moment!”

A noteworthy recent appearance for the company, Prefect Controls was in attendance at the AUE show in September 2019 was very fruitful, with good contacts being made and new opportunities presenting themselves.

For further information, please see the details featured below.

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