

tradex news

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www.tradexnews.co.uk
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New compostable products by Vegware

Eco packaging producer Vegware manufactures the widest range of compostable foodservice packaging – more than 350 products – and they're always innovating. Vegware invests thousands of pounds in new product development to keep customers at the cutting edge of foodservice.

See the full range at Vegware.com



Kraft greaseproof window bags

Available in two sizes, these bags are perfect for pastries, bread rolls and baguettes and they're easy to seal with a Vegware-print compostable sticker. The bags are made from sustainably sourced



Green Tree sandwich wedges & boxes

paper with a plant-based PLA window. Part of the Green Tree range designed to showcase your commitment to sustainability,



4oz Gelato pot

Vegware's new sandwich wedges and boxes are a premium eco solution for a stylish combo lunch-to-go. Vegware has also launched eco 4oz gelato pots for ice creams and sorbets in the summer, or for warm desserts, sides or sauces in the wintertime. Sturdy and leak-proof – they're the cherry on top.

Vegware is the global specialist in plant-based compostable foodservice packaging. Their catering disposables are made from plants using renewable, lower carbon, recycled or reclaimed materials, and can all be commercially composted with food waste where accepted.

T +44 (0)3333 055 404
sales@vegware.co.uk

New trade association launches

Following an extensive 6-month consultation with key stakeholders since the release of a landmark report "CBD in the UK", a new trade association



has been launched at a ground-breaking CBD Summit. The Centre for Medicinal Cannabis' conference saw the launch of the Association for the Cannabinoid Industry (ACI), a platform which brings together leading businesses and experts committed to fostering a legally compliant, socially responsible and innovative CBD industry, which puts customers' safety first.

The ACI has far-reaching plans towards creating a legal and safe, regulated industry in the UK including a new Quality Charter. Signatories are committing to a framework of legal compliance and quality controls, primarily based on a recent decision by the European Commission to classify all extracts of hemp and derived products containing cannabinoids (including CBD) as Novel Foods. To guide companies through the complex legal compliance pathway for authorisation as a Novel Food via the Food Standards Authority (FSA), the ACI has entered into a partnership with award winning regulatory consultants Global Regulatory Services (GRS).

Ultimately, the ACI aims to introduce a first-of-its-kind kitemark which will appear on products which meet its standards and assurances on product quality, efficacy and safety to retailers stocking and distributing CBD products and to increase customer trust.

In the coming months, the focus of the organisation will be on further building its resources to maintain the integrity of these new industry standards and conduct the first round of audits of members to ensure they are collectively delivering on them. Throughout this process the ACI will continue to consult and engage intelligently with policy makers, regulators and other relevant stakeholders to steer members through a challenging and often complex regulatory environment.

For more information about the ACI Charter please visit: www.theaci.co.uk

Datamark UK - Specialist Label and Label Solution Providers!

Here to help you deliver

"Self adhesive labels & labelling"

Datamark UK are a manufacturer and supplier of a wide range of labels and labelling solutions to a variety of customers from various industries. Datamark UK offer a broad range of knowledge and experience in dealing with your label and label solution requirements. The Datamark UK range of products we offer varies greatly as you will see in the links below. The products range from plain and printed labels to thermal transfer ribbons and printers to name a few.

Call us on +44(0) 1482 506560 | 505101 to discuss your requirements or for further information visit our website: www.datamarkuk.com

The one stop shop for all of your labelling needs



Experts in labels, labelling and label printing, 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 1995, 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 Colourwashed Labels, Flexographic Printed Labels, A4 Sheeted Labels, Fanfolded Labels & Tags, Own Brand Thermal Transfer Ribbons, Thermal Transfer Bureau Print Solutions, GoDex 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.

T 01482 506560
sales@datamarkuk.com
www.datamarkuk.com

Media Production Show: As exciting as ever

Since 2016, The Media Production Show has been bringing together the most innovative media based companies, businesses and figures to discuss, network and

explore new avenues and ways in which the media industry can be furthered, and this year was no exception.

A series of seminars and talks took place, along with high-end conferences and industry awards, shining light on the companies, individuals and products that have worked tirelessly on seeing the media industry progress over the last 12 months.

If you or your business works in the media industry, then the show really is a must attend event, and will be returning next year at London's Olympia from 13-14 May. This is our second pick of the best exhibitors from this year's show, listed here in alphabetical order: SE Medical Further details can be found on the right.

www.mediaproductionshow.com



The two day event, held at London's Olympia from 11-12 June 2019, saw exhibitors showcase new products and ideas and demonstrate to visitors the kind of knowledge and creativity that the industry thrives on. The show was hosted and presented by publishers of market leading companies, demonstrating the calibre of expertise that the show adheres to.

The First Aid and Health and Safety Specialists



SE Medical is a medical training company that provides a comprehensive selection of services for first aid and health and safety training. Delivering their services across South East England and London, SE Medical offers first aid and health and safety training and event first aid cover.

Providing the most up-to-date first

aid and health and safety practises in the medical world, SE Medical delivers fully compliant training through its team of qualified trainers; for the community and the work place. The trainers have gained experience working with real life medical emergency situations and offer a real perspective alongside certified training.

Within the work place, there is demand for certified first aid and health and safety training, with the law stating that there must be qualified first aiders in every work place. The benefits of using SE Medical for training staff is their flexibility and ability to cater the training to meet specific requirements, enabling them to

provide training in a way that works for the team and the employer. SE Medical has developed its training to incorporate the latest innovations in learning and development techniques and endeavours to provide engaging training to help staff learn and maintain their first aid and health and safety skills.

SE Medical also provides event medical cover, including private ambulances for indoor and outdoor events and provides ambulances as a CQC company for film cover, private transportation, ensuring that there is continued care from events to hospitals.

T 0330 043 0112
www.semedical.co.uk

MultiModal 2019

Taking place on 18-20 June 2019, this year's MultiModal event was bigger and better than ever.

As the UK and Ireland's number one freight transport, logistics and supply chain management event, MultiModal represents every logistics sector under a single roof, offering a unique and valuable chance to showcase the latest developments in the industry.

Covering a vast range of sectors, including manufacturing, retail, agribusiness, chemical, automotive, electronics, FMCG, food & drink, and many others, MultiModal welcomes shippers and cargo owners from across the country to attend and discover ways to improve their businesses through innovative products and suppliers.



Now in its twelfth year, MultiModal puts shippers, retailers, manufacturers, wholesalers, importers and exporters in front of exhibitors to see the very latest logistics and supply chain solutions. 2019's busy event offered an excellent opportunity to have face to face meetings with new prospects and existing companies.

The next event will take place on 16-18 June 2020 at the NEC, Birmingham, and will be offering a range of exciting new features for visitors to enjoy. This is our pick of the best exhibitors from this year's show, listed here in alphabetical order: Daily Groupage Services, Grange Shipping, Grip Systems & TGMMatrix. Further details can be found below.

www.multimodal.org.uk

TGMMatrix, the UK's first blockchain logistics settlement

TGMMatrix is a fully automated, intelligent freight matching solution for shippers and carriers who are looking to optimise and automate the complex processes of freight transportation. Matrix, its digital platform, is capable of reviewing 1000's of variables instantly to determine the best possible match, based on specific freight / company objectives including environmental impact.

The benefits include 5-15% cost savings for shippers, doubled carrier margins, dramatically

improved sustainability and real time, actionable business intelligence. Unlike typical digital freight brokers, freight exchanges or load boards, TGMMatrix are a neutral third party, taking no cut from the matches made, instead offering significant ROI's for both Shippers & Carriers with a SaaS based annual license fee,

dependent on volumes.

Based in Oxford, the heart of the UK's technology belt, TGMMatrix won the 2017 Frost & Sullivan Best Product for digital freight matching.

T +44(0) 330 223 2211
info@tgmatrix.com



The personal option for logistics & freight forwarding services

Daily Groupage Services are specialists within the Turkish market, with an experienced team providing a wealth of knowledge in freight forwarding and logistics.

Founded in 2002 Daily Groupage Services operates alongside its sister companies IKRA Lojistik and Atanak Forwarding to provide a comprehensive range of logistics options. The recent acquisition of Action Roadways enhances the Group service offering to provide a full range of Turkish and domestic services. Daily Groupage Services is committed to its mission to provide efficient, professional and fast freight forwarding services to our customer base.

Holding ISO 9001 Quality Management accreditation Daily Groupage Services provides a range of quality services in both

the Turkish and European markets. Running our own fleet of 200+ GPS tracked trailers allows us to provide a focused and dedicated service for all traffic irrespective of quantities, dimensions and transit requirements.



In addition to our transport options Daily Groupage Services are also able to offer warehousing solutions from our site in Belvedere, Kent. With the ability to accommodate

short and long term storage, goods in transit and consolidation options Daily Groupage Services have the flexibility to tailor our services to suit your needs.

Our in-house Customs team based in our Dover branch are experienced in a range of customs procedures and provide 24/7 coverage. To discuss your customs requirements in more detail please contact our Dover branch on 01304 201007 or alternatively email doover@dailysgroupage.com

To explore our logistics service offering in more detail please contact our Belvedere branch on 0845 539 9999 or by email via sales@dailysgroupage.com

Don't forget to check out our website at www.dailygroupage.com

Grange Shipping 40th Anniversary

Logistics is a fast-paced business, constantly undergoing change and innovation and freight forwarders play a huge role in the supply chain. They provide an essential bridge between importers & exporters and the array of transport modes available.

Grange Shipping are an independent freight forwarder established in 1979. They provide all the services one would expect of a 3PL. Road, sea and air freight as well as a range of supporting services including ERTS, warehousing, port agency, chartering and customs clearance.

This year marks the company's 40th anniversary and is arguably one of the most interesting times in the history of the business. The run up to Brexit and the ensuing uncertainty surrounding the import and export of goods to and from the EU after leaving has made keeping



up to speed with developments

and offering the very best advice to clients the top priority.

The team at Grange all have years of experience in the freight industry and their proximity to Felixstowe Port (with whom they have close links) makes them best placed to offer fantastic rates for freight, wherever it's going around the globe.

Grange pride themselves in excellent customer service. It's one of the key factors not only for their many years in the industry but also in the longevity of their client relationships. Expertise and great advice mean clients always receive the best option for whatever freight they're moving, be it a single pallet to Europe or a full container from China.

T 01394 605200
www.grangeshipping.co.uk

Grip Systems

The Next Generation Stretch Film Dispenser & Revolutionary Self-Gripping Stretch Film.

Are you happy with the packaging quality of the pallets in your warehouse?

If your answer is no, chances are you are still making use of the same old, inefficient pallet packaging methods that are slow, as well as risky.

The revolutionary GRIP® Pallet Wrapping System will add agility and safety to your pallet wrapping process! Often trying to find a solution that is cost effective, economically friendly and easy to install can be tricky, but it doesn't have to be.

GRIP® allows you to empower your company's packaging process with our highly useful and feature-rich GRIP® Pallet Wrapper. It will not only add efficiency to your pallet wrapping method, but it will also minimise downtime, reduce storage



space and cut transport costs. In addition, we can guarantee you no risk of friction burns, bruises or back problems.

Get a GRIP® self-stretching wrap Dispenser for Free! Trial a free dispenser and a case of films courtesy of GRIP® for 2 weeks to try the benefits first hand, to arrange contact one of our experts:

T 01543 404667
sales@grip-systems.com
www.grip-systems.com

Norbar's Torque Wrench Calibrator Auto

Guaranteeing accuracy and efficiency, Norbar Torque Tool's latest innovation, the Torque Wrench Calibrator Auto (TWC Auto), is a wrench loading system that enables testing and calibrations of click, dial and electronic torque wrench designs in accordance with the revised BS EN ISO 6789:2017 standard.

As stipulated by the 2017 version of the standard, parasitic forces within the calibration system must now be eliminated. This is where Norbar's patented counterbalanced reaction is crucial, achieving the required self-alignment and balancing out the weight of the wrench. The rotating transducer design also ensures the load is applied at 90° to the torque wrench handle for unbeaten precision.

In addition, the TWC Auto, which is available in two capacities (up to 400.0 N-m and up to 1500.0 N-m), benefits from data gathering capabilities and an automated process management system. The TWC Auto will calculate the

uncertainty figure, which needs to be included within the calibration certificate, and also boasts a calibration job management system for booking calibrations and recording the progress of previous jobs.

For enhanced efficiency, the intelligent rate control system provides fast cycling of tools, all while the inbuilt data analysis and certification generation seamlessly moves from calibration/conformance procedures to certificate generation, with no third-party software required. Thanks to the inbuilt storage, several years' worth of calibration data and uncertainty data can be recorded.



The TWC Auto comes fitted with a touchscreen User Interface, as well as a flexible tool template system which minimises the number of templates required to cover a wide range of tools. For faster set up, a programmable calibration work flow can be activated for each template.

Philip Brodey, Sales Director at Norbar Torque Tools, commented "The ISO 6789:2017 standard has extremely specific requirements for the equipment used in torque wrench conformance testing and calibration. Using our expertise on the standard's revisions, we've designed the TWC Auto – a wrench loading solution which will offer total peace of mind to end users who will be able to operate in the knowledge that the tools they are using are always correctly and routinely calibrated."

T +44 (0)1295 753600
enquiries@norbar.com

Calibration & repair

Products manufactured by Sherborne Sensors are highly precise, accurate and robust, and are found in very demanding applications. As part of any preventative maintenance programme, sensors should be recalibrated on a regular basis. Our manufacturing facility is fully capable of confirming performance of field units to original manufacturer's specifications, providing a certificate of performance that is traceable to recognised international standards. In addition, Sherborne Sensors welcomes the opportunity to calibrate servo-based inclinometers/accelerometers from other manufacturers.

In addition to recalibration services,



Sherborne Sensors offers our customers the option to repair units that are damaged in the field. As part of this process, prior to initiation of any work, Sherborne Sensors provides our customers with a detailed analysis of the unit's performance, the root cause for the unit's inability to meet factory performance specifications, and a firm fixed cost for the unit's repair.

We will also advise our customers if a unit cannot be economically repaired, and instead requires replacement.

Calibration capability

- ◆ **Inclination** – ±90° to within 5 seconds of arc
- ◆ **Acceleration** – Up to ±20g to within 0.001g depending on range, calibrations up to ±1g are made using precision gravity references while measurements in excess of this are made using a precision centrifuge
- ◆ **Force** – 10 grams to 300 tonnes

T +44 (0)870 444 0728
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sales@sherbornesensors.com
www.sherbornesensors.com

Low-cost ATMOS 22 sonic anemometer

Labcell, the UK distributor for METER Group, is introducing the METER ATMOS 22 anemometer and wind direction sensor. This instrument costs less than conventional sonic anemometers, and the lack of moving parts makes it more reliable than traditional cup- or propeller-type anemometers. It therefore offers an exceptional combination of cost-effectiveness, reliability and accuracy over a very wide range of wind speeds. Furthermore, the inbuilt facility for measuring wind direction means that only one channel is required when connecting the ATMOS 22 to a data acquisition system.

The ATMOS 22 is designed primarily for use within plant, tree

or crop canopies. The ultra-low power consumption and minimal maintenance requirement make it an excellent choice for remote and inaccessible locations. Compared with conventional sonic anemometers, the ATMOS 22 uses 100 to 1000 times less power; as each device draws less than 100 µA, arrays of multiple anemometers can be deployed without the need to continually recharge batteries.

METER Group's new ATMOS 22 anemometer is fully compatible with the company's ZENTRA Cloud system. When the plug-and-play instrument is connected to a ZL6 data logger – which automatically detects the instrument type – users can access data in near-real-time



from the ZENTRA Cloud via any web browser. As the ATMOS 22 sensor uses the industry-standard SDI-12 digital data interface protocol, it can also be connected to other compatible data acquisition systems.

T +44 (0)1420 568150
mail@labcell.com
www.labcell.com

New short film takes you on the journey to redefine the kilogram

'Everything Different, Nothing Changes' chronicles the multiyear effort to redefine the kilogram. Expert interviews and brilliant onsite footage provide an inside look at both the thinking and technology that made it possible to prove the constancy of the new mass standard in honour of World Metrology Day 2019.

In an impressive act of cooperation, the General Conference of Weights and Measures member states voted to adopt a new kilogram definition for the first time since instituting the international prototype kilogram, or IPK, in 1889. This was the culmination of the years-long effort to create greater constancy in mass measurement examined

in 'Everything Different, Nothing Changes: Redefinition of the SI Unit Kilogram', a new short video by METTLER TOLEDO.

At a basic level, all standards including mass are now tied to fundamental natural constants. In the case of mass, the referenced value is the Planck constant, also known as the fundamental constant of quantum physics.

In the 20 minute piece, METTLER TOLEDO, Dr Richard Davis, BIPM, and other metrology experts including Dr Philippe Richard, METAS, explore the science behind the definition, as well as the nearly poetic way the definition was able to be proven. This combination of smart thinking



and technological excellence has produced measurement accuracy that is accessible for all people in all places at all times.

To see a brief trailer for the video, visit: https://youtu.be/rBYO89_IIE4
To view 'Everything Different, Nothing Changes' in its entirety, please visit: <https://youtu.be/k2XKI9Y7J3s>
www.mt.com

Warehouse & Logistics News



The Goupil G4

100% Electric, Zero Emissions
Zero Restrictions

The Goupil G4 is ideally suited to improve access into low emission zones, city and town centres. With 11 different body configurations there is Goupil to suit a vast array of applications.

Discover the Goupil range and visit www.bradshawev.com
call 01780 782 621 or email sales@bradshawev.com



So what is transportation & logistics management?

The Council of Supply Chain Management Professionals (CSCMP) defines logistics as the process of planning, implementing, and controlling procedures for the efficient and effective transportation and storage of goods including services, and related information from the point of origin to the point of consumption for the purpose of conforming to customer requirements.

This definition includes inbound freight management, outbound, internal, and external movements.

Often, outsourcing logistics to an expert

provider, who can not only offer software, such as a transportation management system, but also integrated services to deal with accounting, claims, transportation routes, documentation, custom clearance, transportation including sea, air and road transportation and building custom inbound freight programs will allow the internal logistics team to have more meaningful collaborations with others in the supply chain and company at large.

Rather than focusing on all of the details and complexity of both transportation and logistics management, it allows the logistics team to



really focus on results and strategy for further logistics optimisation, as opposed to tactics. When you can focus on results, and have a trusted partner help you, often both hard and soft costs savings are realised at a much more efficient and quicker pace.

T 023 8073 9999
sales@meachersglobal.com

Campisa: Safer drive system

The system can be fitted to new doors and/or existing doors. As there are no springs to tension or cable drums, the drive provides a much safer method of installation and servicing of sectional doors. Tensioning or replacing springs at high level is an inherently dangerous and costly operation, which is

eliminated with the Fidelity drive system.

Even with slack cable devices fitted, which should prevent cables 'bird-nesting' on the cable drums, many costly service visits still result in the cables having to be re-fitted, again this is not the case with the Campisa Fidelity hydraulic drive system. The system can operate sectional overhead doors in Deadman, Impulse up/deadman down or fully automatic



The Fidelity system comes in two variations, the Fidelity Compact which has the hydraulic power pack and rams in the head unit for doors up to 4m wide and 4m high and for doors up to 8.5m wide and up to 6.6m high the Fidelity Console would be the answer, whereby the hydraulic power pack and

control box would be wall or floor mounted with



the hydraulic ram in the head unit. The Fidelity Console hydraulic drive system can also be used to power two sectional overhead doors independently of each other and can be incorporated to operate both a sectional door and dock leveller from just one hydraulic power pack, again doing away with the potentially dangerous and hazardous process of working under a leveller and in an operational truck movement area. Service charges and repair costs are significantly reduced with the Fidelity drive system.

T 01403 741935
www.campisa.co.uk

Simpson Strong-Tie

Introduces Their All-New Catalogue of Connectors for Timber and Masonry Construction

Leading construction connector manufacturer Simpson Strong-Tie has released their all-new 2020 catalogue; a comprehensive product guide which showcases the company's most recent innovations and product line extensions.

Alongside the UK's largest collection of connectors for timber and masonry construction, sit numerous new products, including the GPC, Gable Panel Connector, a high movement timber frame tie, decorative and a heavy duty post bases, an adjustable mini hanger, purlin anchor, twisted restraint strap and a 4mm reinforced angle bracket.

The catalogue also contains comprehensive technical data, performance characteristics, safe working loads, plus easy to follow installation instructions.



Managing Director, Malcolm Paulson explains: "It's been a busy time for Simpson Strong-Tie, we've really pushed the boat out to increase our core product range, engineered to stand the test of time.

With our new enhanced product lines, along with our rapid made-to-order service, we really can say that if we don't have it – you don't need it".

Available now in print on request, and online in the Resources/Literature section at www.strongtie.co.uk

Superglass – Intelligent environments

Superglass, the Stirling based insulation manufacturer has undergone transformational change over the past decade, and its manufacturing facility is currently in the process of a major £37m redevelopment, one of the most significant investments the industry has seen in recent years.

A 187-tonne furnace, curing ovens, cooling, cutting and milling equipment are being replaced and an automatic packing system is being installed. Once complete, the work will double production capacity to 60,000 tons annually.

Demand for glass wool insulation continues to be very strong both domestically and in export markets and with the company's major manufacturing investment at their Stirling site, Superglass will undoubtedly be well equipped to capitalise on the opportunity presented by these market conditions.

Glass wool insulation produced by Superglass is made from up to 84% recycled glass and is estimated to save around 300 times the amount of energy used to manufacture it.

Aside from capital investments in plant and manufacturing, Superglass will continue to grow their brand amongst merchants, distributors and end users.

T 01786 451170
www.superglass.co.uk



The Packexe Unroll for Gold competition is being extended!

Now running until December 13th 2019, Packexe has extended the competition by 10 weeks.

Since the 1st of May 2019 innovators of protection products, Packexe Ltd, has been hiding golden tickets in selected rolls of its protection film range.

Originally set to end on September 30th, CEO Andrew Orchard claims ending the competition when there are still tickets to be found would be unfair. "If there are tickets left to find there's a competition still to run," comments Andrew, "our only option is to extend, and our only reason is to get as many winners as possible!"

Andrew continues, "As everyone in business is aware, this summer has been a little slower than usual which, for Packexe, means fewer golden tickets claimed than expected. But this is no bad thing, as our customers now have added time to find and claim tickets!"

With holiday vouchers up to the value of £1,000 still waiting to be found, you could be leaving the Brexit uncertainty and dull winter months behind in search of some winter sun courtesy of Packexe.

Following the reveal of Packexe's generous donation to Exeter Cathedral of £30,000, the competition extension is just proof that Packexe intend to celebrate reaching its 30 year milestone throughout 2019.



Rolls can be purchased from Dulux, Travis Perkins or from Packexe directly, visit: <http://shop.packexe.co.uk> or call 01392 438191. Terms and conditions can be found online at www.packexe.co.uk/competition

Install new Superglass and you're not just building new homes. It's like you're planting new trees.

Over its lifetime, insulating one house could save as much CO² as planting 212 trees. That's why at Superglass, we put more thought into energy efficiency. Take our new glass wool insulation, manufactured using state-of-the-art technology.

Made using up to 84% recycled glass, it's quicker to install, easier to transport and offers superior levels of thermal and acoustic protection.

Has anyone ever put more thought into insulation?

A more intelligent approach to insulation
superglass.co.uk

Intelligent Environments
Superglass

SOLEX 2019

This year's SOLEX took place on 9–11 July at the NEC, Birmingham, showcasing the latest trends and innovations in outdoor living. It was bigger, better and more enticing than ever before, and visitors had the chance to see the latest designs in garden furniture, barbecues, outdoor lighting, parasols, gazebos and outdoor play equipment.

SOLEX (The Summer Outdoor Living Exhibition) is an annual three-day event which attracts national and international retail/contract purchasing directors and managers. Bringing together all the leading manufacturers of garden products, 2019's event provided a showcase for the exciting new innovations in design, environmental manufacturing, sustainability and production.

The show has now been running for 11 years, and 2019 saw more visitors, exhibition space and exhibitors, offering a relaxed and friendly atmosphere to provide an unmissable opportunity for valuable

networking. Welcoming professional specifiers of garden products, including landscape architects, designers and contractors, SOLEX 2019 was a great chance to see first-hand the latest developments in outdoor living.

The next SOLEX will be 7–9 July 2020 at NEC, Birmingham. This is our pick of the best exhibitors from this year's show, listed here in alphabetical order: Char-Broil & Quan Further details can be found here.

solex@lofa.com
www.lofa.co.uk/solex



Invest in a Quan

A passion for food, premium design and a love of spending time outdoors with family and friends is what brought Quan to life, so why not reward yourself with the lifestyle you deserve and start turning entertaining into an art form?

A Quan fire plate lets you cook a vast variety of delicious, mouth-watering foods of various types, shapes and sizes with truly fabulous results and because it is able to create different heating zones, the hot plate allows you to control the speed of cooking and prepare food to your specific taste and timing. This is essential for cooking outdoors as it ensures that your food is sealed on the outside, helping to retain all of its natural juices and flavours, culminating in a healthy gourmet experience unlike any other.

Not only that, as the beautiful and fascinating centre

piece of any party or family gathering, a Quan can help bring a sense of togetherness, allowing you to enjoy all the fun and laughter that sharing the good things in life brings.

And don't let yourself be limited to only cooking outdoor during the summer months. The seasons may come and go but with Quan, the possibilities for entertaining are limitless and you will soon appreciate the benefits of outdoor cooking throughout the entire year.

With an appetite for life and a hunger for living, make your every moment precious and invest in a Quan.

Jon Cudworth 0781 1408688
www.quangarden.art



Char-Broil makes bbq'ing excitingly simple

Life is complicated enough but, thankfully, Char-Broil can make things so much easier – when it comes to barbecuing at least. Innovations

also include a rotisserie set, the All-Star tray with a removable cutting board as well as a waste bag and kitchen roll holder.



Char-Broil's renowned Professional BBQ range now offers a Black Edition which scores highly not only for its eye-catching design through its all-black look and red LED

illumination on the temperature controllers, but also for the incomparable performance of Char-Broil's patented TRU-

The already versatile, portable All-Star BBQ becomes a hybrid thanks to a new charcoal tray, converting the gas grill into a charcoal BBQ in a minute, delivering the ultimate in terms of flexibility. New accessories

illumination on the temperature controllers, but also for the incomparable performance of Char-Broil's patented TRU-



Infrared™ cooking technology – the success guarantee for professional barbecue results

An exciting introduction to the range is the Ultimate Modular Outdoor Kitchen: offering two modules of durable quality and flexibility: The Ultimate 3200 stainless steel 3-burner gas grill with TRU-Infrared™ cooking technology; and the matching Ultimate Entertainment module in stainless steel - with grey granite worktop featuring a sink, food prep area with integrated cutting board and storage. Each module has a high-quality finish and can withstand yearlong usage

T 01993 884810
www.charbroil.eu

Building & Landscaping News

Densostrip™ Protection at Bridlington Omnia Bridge



One of the earlier Omnia Bridge Deck Units in use is that forming part of the Bridlington Integrated Transport Plan. PBS Construction Ltd from Hull was awarded the contract to construct the road bridge now in use over the Gypsy Race at Beck Hill.



Omnia Bridge Deck Units were used in the design of the bridge deck and Winn & Coales (Denso) Ltd supplied Densostrip™ and Densostrip Primer™ to seal between the supporting steel beams and the Omnia Bridge deck planks. Denso Primer D™ and Densopol 60™ Tape were then used to seal the joints between the

precast concrete planks.

The use of these materials prevented any grout loss when the in-situ concrete was poured to form the bridge deck.

T 020 8670 7511
mail@denso.net
www.denso.net

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VEKA UK rolls out the welcome matt



Industry-leading systems supplier VEKA UK has unveiled an exclusive ultramatt material unlike anything else in the industry.

Marketing Director Dawn Stockell explains: "Matt finishes seem to be growing in popularity on everything from cookers to cars, but rather than just being a 'fashion fad', the construction industry has seen a steady rise in demand for this look. We understand

the need for original products that not only look great, but offer exceptional performance.

"VEKA UK identified a gap in the market for a highly durable matt product that we could guarantee would look great for years to come, and which would bolster our customers' already impressive product offering.

"SPECTRAL uses next generation surface technology to create an extraordinary finish that simply cannot be matched by any other matt PVCu surface on the

market. It is highly scratch resistant, has anti-fingerprint properties and is also extremely resistant to UV light, extreme weather conditions and harsh chemicals. By absorbing rather than reflecting light, SPECTRAL offers a denser, richer quality of colour, and because it is velvet to the touch, it feels just as good as it looks."

SPECTRAL is available in four sophisticated shades – Graphite Black, Anthracite Grey, Platinum Grey and Umbra Grey.

www.veka.co.uk

Fuelwood: Forestry & Firewood Machinery Specialists



Fuelwood (Warwick) Ltd has been a manufacturer and dealer of a wide range of Forestry, Firewood &

Landscaping Machinery for over 20 years. The range of machinery is designed to maximise profitability from processing cleared timber, and to also mechanise extraction itself.

It also has a team of Service Engineers on the road supporting products across the UK, and parts can be shipped overnight from the well-stocked stores at its HQ in Warwick if/when required.

From winches, trailers, log splitters, kindling machines, firewood processors,

portable sawmills to wood chippers and mulchers, Fuelwood can supply a solution throughout the UK and Ireland, through direct sales and a network of strategically placed dealers, and finance can easily be arranged if required. Second hand machines are also available, providing cost effective solutions for more occasional users.

For more information, to arrange a demonstration or to enquire about our range of machines, please give us a call on 01926 484673 or visit our website at: www.fuelwood.co.uk

Neurosteer continues pioneering work in neurological health

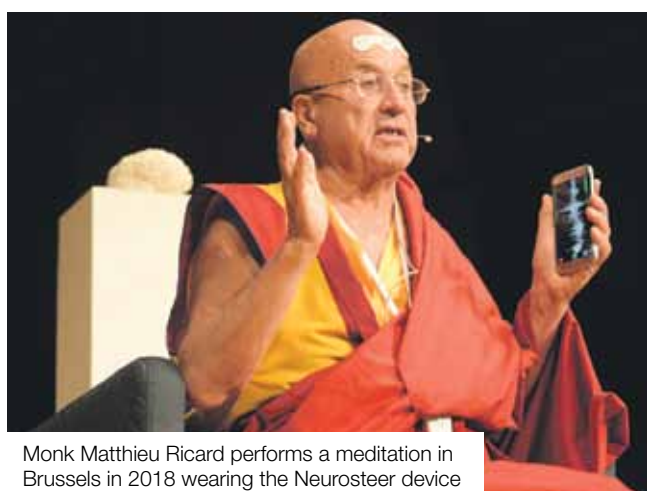
Tradex News is proud to announce that Neurosteer has been chosen to receive our Brain Health Company of the Year award, for its pioneering development of a solution for the early detection and more effective treatment of a variety of neurological disorders.



Cognitive assessment for surgical metric project

Neurosteer was established in 2015 by Professor Nathan Intrator, who spent a number of years carrying out dedicated research before founding the company to further develop and commercialise his technology.

As the world's first medical-grade, real-time brain-sensing wearable platform, Neurosteer combines neuroscience, advanced signal processing algorithms and machine learning to capture brain activity, interpret brain dynamics, and detect different cognitive and emotional states in real-time. Such a tool is essential for the assessment and care of patients with neurological disorders. Neurosteer's patented product is currently being validated in clinical trials and is being used by pharmaceutical companies for patient screening and efficacy testing



Monk Matthieu Ricard performs a meditation in Brussels in 2018 wearing the Neurosteer device

of new drugs. "It can provide massively deployed patient screening and thus, help speed up research into these new drugs," explained Nathan, "ensuring people are getting the best possible treatment for neurodegenerative disorders."

Neurosteer's main focus is on delivering objective biomarkers that identify the early signs of dementia, Parkinson's, Alzheimer's diseases. "Earlier intervention can slow down the progression of neurodegenerative disorders," said Nathan. "Neurosteer can automatically assess cognitive brain health, reducing the need for MRI scans, which involve



expensive equipment. Our tests are much more accessible and can be used in the doctor's office or at home. There is no need for a skilled clinician to initiate the test or a neurologist to interpret the results."

Currently, there are no standard tests with objective metrics for assessing and monitoring the most common neurological and psychiatric disorders. Moreover, existing brain scanning tools are both expensive and difficult to administer. Neurosteer is dedicated to



solving this by introducing affordable and easy-to-use assessment that provides objective biomarkers for different neurological disorders.

Using an adhesive forehead EEG-patch connected to a pocket-sized device, Neurosteer wirelessly transmits electrical brain activity data to the cloud. Then, proprietary algorithms decompose the single-EEG-channel into over 100 individual brain-activity components for real-time analysis and display on



Brain activity monitoring during the New York marathon

a web-based dashboard. Neurosteer utilizes AI and machine learning to produce high-level biomarkers that are associated with different brain states and neurological disorders.

This process leads to a range of benefits, including more affordable screening, continuous patient monitoring, optimised neurostimulation and intervention, all of which result in improved neurological treatment and outcome of clinical trials.

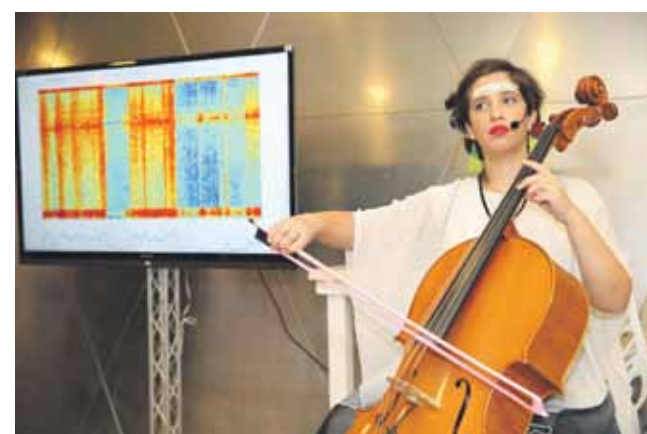
"The company is progressing well with clinical trials towards FDA and CE clearance," Nathan explained. "We're hoping to continue this growth and complete further investments so we can build on our technological advancements."

Outside of its main focus, Neurosteer provides a platform for researchers and users to monitor and assess brain activity in real-time for different applications. "A recent challenging application was real-time monitoring and interpreting the brain activity of two New York marathon runners. We were able to demonstrate reading of brain activity that is less sensitive to movement artefacts and to the extreme sweat of such intense physical activity.

"Specifically, we could see that one of the runners meditated during large portions of the run, while the other didn't. Such meditation is of course helpful as it decreases the oxygen consumption in the brain, leaving more oxygen to the muscles during the physical activity.

"Demonstrating robust real-time brain activity interpretation during intense physical activity is important for a number of applications ranging from brain training and neuro-feedback in sports, to other extreme actions such as stock market trading, to monitoring of special forces during operation, enabling remote access that can detect fatigue, executive functioning, and stress."

Another recent project that has to do with cognitive functioning is the Surgical Metrics Project, which aims at assessing surgical decision making. This project is sponsored by the American College of Surgeons (ACS) and is led by Prof. Carla Pugh, from Stanford medical school. At the recent meeting of the ACS, over 200 surgeons



neurosteer™
mirror your mind

participated in the cognitive assessment and performed a common operation while fitted with wearable technology to measure their surgical thinking and technique. Neurosteer provided a 10-minute automatic cognitive



assessment and monitoring of brain activity during the surgery. Prof. Pugh who is an expert in training and quantifying surgical skills, intends to bring new and detailed training and evaluation methods to surgical practice, and help surgeons quantify their experience. "Prof. Pugh evaluated several EEG-based technologies, and we are delighted that she chose Neurosteer's technology to be part of this innovative project. This research will help extend the professional life of surgeons, based on their abilities not their age, by providing objective evaluation of surgical and cognitive performance", said Nathan.

For more information on Neurosteer and its ground-breaking technology, head to the website or get in touch using the contact details below.

T +1 401 837-0351
info@neurosteer.com
www.neurosteer.com

No.1 home hire sunbed specialist



Tradex News is proud to announce that Tan & Deliver Ltd has been selected as our Health & Beauty Company of the Month. Established in 2010 as a home use sunbed supplier in Kent, demand for the company's services soon increased. This led to a collaboration with leading UK-based sunbed manufacturers, at which point Tan & Deliver became the sole distributor of high-end tanning equipment in the south of England.

Demand for these home hire sunbeds increased every year, and after noticing more enquiries were surfacing from all over the country asking if the company delivered outside of Kent, Tan & Deliver decided to begin franchising, sharing its growing success across the country.

Now, its mission is to be the number one provider of home hire sunbeds throughout the UK, while actively

promoting responsible tanning, delivering only the highest quality products to ensure 100% customer satisfaction. As well as producing a deeper and longer lasting tan with a reduced risk of burning and skin damage, Tan & Deliver's sunbeds and lamps can also help to ease



symptoms of eczema, psoriasis, acne, fibromyalgia, and vitamin D deficiency.

Indeed, the company prides itself on offering only the latest tanning technology, having developed its

sunbeds alongside well-established manufacturers to provide the best home use sunbeds available in the UK. Tan & Deliver is fully compliant with EU 0.3 Standards, and it has mobile sunbed engineers who ensure that the equipment is always running at optimum performance. What's more, these high standards are underpinned by an outstanding team of staff members who ensure their customers' every need is catered for.

In the last 10 months of trading, the company has taken on six franchisees, and is hoping to have another four on board within its first year. Of course, Tan & Deliver understands how daunting it can be to become self-



employed, which is why it developed its franchising opportunity to increase people's income without risking their current employment. Unlike other franchises, people have the freedom to build their business around their lifestyle, and Tan & Deliver does not charge any management fees for the first six months.

With an unwavering commitment to constant development and improvement, Tan & Deliver will be launching an innovative app in 2020. This will be designed to take bookings and orders of products, such as tanning lotions. Then, each booking will be forwarded onto the customers'

nearest Tan & Deliver franchise.

Alongside this, Tan & Deliver is hoping to double its number of franchisees within the next 12 months. The company will be holding an annual Franchisee Award Ceremony and Party, as part of its mission to reward its franchisees' hard work. What's more, Tan & Deliver is currently in the enhancement stages of various areas of its business, which will then be rolled out to its franchisees to enable them to add another revenue stream.

If you would like to find out more information on Tan & Deliver's outstanding services, and discover how to set up your own franchise, head to the website or get in touch using the contact details below.



T 01634 757454
info@homehiresunbed.co.uk
www.homehiresunbed.co.uk

Leading the way in printing machinery

Within this issue of Tradex News, we have selected Signzworld as our Printing Solutions Company of the Month.

Established in 2008 by Managing Director Aliy Li, Signzworld was created to supply the printing industry with an all-encompassing solution for printing machinery and materials. First situated near Birmingham Airport, the company has grown significantly since its inception and has expanded into a new facility in Halesowen, enabling the company to maintain a much larger and wider selection of products.

Signzworld provides printing businesses such as t-shirt printing and sign making, with the tools to excel and grow by providing them with the right equipment and products to improve efficiency and businesses. The company maintains a selection of exclusive brands within their product range and conducts extensive research into the products and brands they provide.



"We supply an assortment of printing machinery such as Heat Presses, Vinyl Cutters, UV Printers, Laser Engravers and so much more. We also carry the UK's largest selection of blank sublimation products ranging from mugs, plates and phone cases to car mat sets, kids backpacks and dog tags with a whole myriad of printable

items also readily available," said Steve Styles, Marketing Manager.



A feat within the company's diverse range of products is Signzworld's latest range of Vinyl Cutters. "UKCutter is one of the brands that are exclusive to Signzworld and we have just released their

technologically advanced Camera Plotter Vinyl Cutter series." Steve continued, "There are three levels to the new collection: the C, V and D series, all of which have an easy to navigate, large LCD display menu, a high speed camera which is ideal for auto contouring and LED lighting but as you go up through the levels you attain more features such as the highly efficient, dual independent heads available on the D series."

In addition to the company's selection of products that they supply, Signzworld offers a variety of services including a technical support team and repair department. Offering support and



assisting customers from enquiry to repairs, the company maintains an excellent customer service focus and is able to resolve any issues quickly, to ensure that there is no loss of funds for its customers.



Gaining industry recognition and expansion, 2019 has been of major significance for Signzworld and has delivered many promising advancements for the company. A noteworthy development for Signzworld has been its branch into the online market. Enabling the company to further its market presence and make its products as



accessible as possible, Signzworld has launched a brand new website with easy to navigate features. With an emphasis on broadening the company's industry presence, the company has gained new marketing personal and

sales advisors, dedicated to the promotion of the company and industry development.



Another notable development for the company this year, Signzworld transformed a large office space into a demonstration room. Steve expanded that, "This has been integral to boosting our relationships with our customers, as we can engage, educate and excite face to face. We have just held our first ever open day and created a fantastic, laid back environment, allowing people to visit and get their hands on our latest equipment, ask questions relating to their businesses and meet like-minded individuals."

In terms of future plans, Signzworld will be expanding their social media presence and Youtube channel. The company will be providing tutorials and reviews on Youtube to provide customers with helpful tips and insight into the company and products.

T 0121 550 4909
www.signzworld.co.uk



Safety & Health Expo 2019

The Safety & Health Expo 2019 took place on 18–20 June at ExCeL, London, offering an ideal place to showcase companies' health and safety solutions to their target audience. By exhibiting at the event, companies ensured their business was at the heart of the profession's shift towards a holistic offering, helping them to establish and strengthen their position within the health and safety market.

This year's event saw a 3% increase in visitor numbers, with 28% of visitors being heads of department, C-Suite or Directors, as opposed to 26% in 2018. What's more, 70% of visitors had purchasing power, with a combined budget of over £7.2 billion. This made 2019's show an unmissable opportunity to showcase products and services to key decision makers and purchasers across the industry.

Without a doubt, visitors gained a great insight into current and future industry developments, and had the chance to network and expand their industry



knowledge. Next year's event will be returning to ExCeL, London on 19–21 May. This is our pick of the best exhibitors from this year's show, listed here in alphabetical order: Astutis, Brightboot, Dofygate, Leon Boots & Justrite Safety Group Further details can be found on the right.

www.safety-health-expo.co.uk

Improve site safety by controlling traffic without the need to provide a power supply



The carbon fibre Dofygate is a lightweight but tough design that works all year. The barrier is designed for permanent or temporary locations and comes with all necessary adjustable fittings or our unique 'Wheely stands' that allow the barrier to be easily relocated as a site develops. Our barrier is compact when open with a built in clutch that allows the gate arm to survive

accidental impacts. Simply pull the gate arm back into position and away it goes again.

Opening options include remote control fobs, telephone opening, intercom, timer and keypad. Widths from 3.0m to 6.0m

with a standard 4.6m barrier complete with fobs and fittings costing under £2000 plus VAT. Dofygate is controlling traffic onto and around construction sites, access to weighbridges, private car parks, separating customers from works areas, preventing delivery drivers from

placing themselves at risk by driving into working areas and many other applications.

Assembled by us from parts made to our design 90% of which are UK sourced. We have barriers working around the UK and work to ensure the customer gets what he wants. Hire options are available.

T 01263 493102
sales@dofygate.co.uk
www.dofygate.co.uk



Justrite Safety Group

At Justrite, everything starts with safety. Protecting people, property and the planet is our first responsibility. We provide the essential safety products needed to protect your workers and workplace.

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Justrite Safety Group's portfolio

companies include:

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manufactures a wide range of industrial safety products including safety cabinets, safety cans, spill containment, poly drums, guards/protectors and more.
www.eagle-mfg.com

Hughes Safety design and manufacture emergency safety showers, eye/face wash and decontamination equipment.
www.hughes-safety.com

Justrite™ manufactures industrial safety equipment such as

safety cabinets, safety cans and containers, spill containment, and gas cylinder handling equipment.
<http://eu.justrite.com>

Notrax® designs and manufactures anti-fatigue and safety matting, and a range of out- and indoor entrance matting for professional use.
www.notrax.eu

Sall® have their core business in the design and manufacture of stackable metal containers.
www.sall.it

saleseu@justrite.com

Good as Gold prestigious new ranking for Astutis

Health and Safety training specialist Astutis is celebrating after achieving NEBOSH Gold Learning Partner Status from one of the world's leading organisations for providing health, safety and environmental qualifications.

Astutis has received the highly sought-after recognition from NEBOSH for excelling in the provision of course tuition and support in health and safety training.

Following accreditation, the internationally based firm also launched two new NEBOSH courses for Occupational Health and Safety, which have a new structure, enabling learners

to navigate easily with bite-sized micro learning plus offline study.

The Online NEBOSH General Certificate Courses are the most popular and recognised qualifications of their kind. Holders of this accreditation are able to identify, evaluate and control a wide range of workplace hazards.

NEBOSH Chief Executive, Ian Taylor, congratulated Astutis on its "amazing accomplishment" in attaining such a prestigious quality mark for learning excellence and is looking forward to a growing partnership between the two organisations.



He added: "Having partners like Astutis is essential to achieving our goal of delivering the very highest quality learning to people taking NEBOSH qualifications and continuing our success for many more milestone anniversaries."

www.astutis.com

The world's first 360° high visibility waterproof safety boot

Compliant to EN ISO 20345. Brightboot is innovative and award winning. Product Innovation award 2019 - from the British Safety Industry Federation. Combining safety footwear protection with high visibility in low light, daylight and at night, as well as in adverse weather conditions. What are Brightboot designed to do? Combining the traditional protection offered to a wearer's feet with the use of Hi-Vis materials to increase visibility.

A common trait, when workers want to avoid getting their Hi Vis trousers from becoming dirty. Is to tuck their PPE

trousers into their boots. A significant amount of the lower leg can be left unseen. Brightboot replaces the tucked-in, unseen trouser, by using compliant Hi Vis and reflective materials that replicate the PPE trousers and enhance the visibility of the wearer. But how comfy? Shock absorption is significant compared to other brands of safety boots. Brightboot supports natural posture and spinal alignment, reducing wear and tear on the lumbar vertebrae, so reducing wearer fatigue in safety boots.

WHAT YOU'RE

SAYING ABOUT BRIGHTBOOT. "We have really put these boots to the test, our concrete cutting crew were so impressed with the outstanding comfort Brightboot delivered in challenging working conditions. I would thoroughly recommend Brightboot".

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www.brightboot.com
Brochure request/trade prices
info@brightboot.com



Innovation and 'rEVALution' in the footwear protection industry



Crucially, Leon Boots have forged their success through their dedication to their clients – listening to their needs and desires in order to curate a product line that feels organic, adapting to the ever-changing requirements of the modern construction industry.

Today, they have gained significant traction through their development of ULTRA - Light Protective/Safety Boots that serve to be a better alternative than the arguably outdated heavy rubber or PVC footwear. This really captures Leon Boots Co.'s core ethos, which can be defined primarily be productivity, as they constantly search for the 'next generation' of product in their sector. In this they are driven, much like their larger industry counterparts, by innovation.

At the centre of Leon Boots' success is the use of EVA and TRC polymers over rubber, which offers a plethora of benefits that seek to outpace competitors using the latter. EVA is 65% lighter than rubber, more resistant

to changing conditions, softer, non-toxic and more durable – all incredibly important in a sometimes-unpredictable building environment.

Working together alongside some of the most well-established manufacturers in the EU, it is clear to see how Leon Boots Co. has made a swift impression on a landscape which often seems resistant to quick change, as the company's Kev Burgess explains in more detail.

"Following the success and strength of our core product range serving, firstly, the UK construction market and, secondly, agricultural industries we have been able to diversify into other sectors such as fashion, DIY, hardware and lifestyle, as well as expand into unisex and children's footwear." Ultimately, Leon Boots' range of ULTRALight Safety Boots are endlessly versatile, strong and sturdy, making them a must-have product for anyone working in an environment that demands protective, and comfortable, footwear.

Safety & Health promo video below:
<https://www.youtube.com/watch?v=7RvA0t9hQ44&t=22s>

www.leonbootsc.co

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SUSTAINABILITY TODAY

Issue 417 Nov/Dec 2019

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energy | water | waste | recycling | sustainability

Flood & Coast Review Top 10

Flood & Coast 2019

Flood & Coast 2019 was a three-day exhibition and programme of workshops, presentations, debates and panel sessions, which looked at flood and coast erosion risk, resilience and response. Taking place on 18–20 June at Telford International Centre, the event was the fourth major annual gathering of UK flood and coastal erosion risk management professionals. Drawing on expertise and experience from different geographies across the world, the event brought together specialists in the supply chain that deliver technology and

solutions to control the increasing risks of flood and rising sea levels around the UK coastline. This helped to spread best practice, discuss new ways of working and to deliver excellence in FCERM.

The programme across the three days was tailored to topics selected by the government and industry panel, accompanied by a trade show and exhibition which allowed stakeholders to benefit from excellent networking opportunities to create valuable business

connections and engage effectively with contractors, consultants and project owners. The event also featured the Project Excellence Awards, which recognised excellent projects developed or supported by local authorities, internal drainage boards & the Environment Agency, as well as community level initiatives.

This is our pick of the best exhibits from this years show, listed here in alphabetical order: ADA, Maltby Services & Wessex Archaeology



For more information, head to the website
www.floodandcoast.com

3D Laser Scanning helping to maintain our Thames Locks

In September 2018, Maltby Surveys were approached by Arcadis Consulting Water Management Division to assist them in a condition survey at Caversham Lock on the River Thames.

Our brief was to provide detailed topographical information for the lock including upstream and downstream approaches. A Faro Focus X330 3D Laser Scanner was used to capture point-cloud information on the lock walls and immediate surrounds. This was supplemented with conventional topographical plans using a Leica TS16 Total Station. All information was connected to the Environment Agency's GNSS Survey Control Database. The 3D information was made available via an online viewing portal, accessible via a web browser for Arcadis to annotate and locate visual reference information. Following the success of the project, a further 26 locks were commissioned along the Thames on behalf of the Environment Agency.

Alex Holt – Associate Technical Director for Arcadis said: "The use of this technology enables us to undertake more effective condition assessments, collecting data of higher

quality in a more accessible format. The capability to digitally review the data afterwards allows us to gain deeper insights than possible on site, and ultimately gives our client increased confidence in the long-term management of their assets."

For Lock Animation go to:
www.maltbysurveys.com/RiverThamesLocks



Wessex Archaeology

With six regional offices and a wide range of in-house specialist teams, Wessex Archaeology is one of the leading independent archaeology and heritage companies in the UK, delivering a full suite of desk-based, fieldwork and high-tech survey services across all terrestrial, intertidal and submerged environments nationwide.

Flood and Coast is a key event for us. Our stand



this year focused on our innovative solutions to managing the often complex archaeological and heritage risk in the dynamic coastal and riverine environments which are often the focus of FCERM schemes. We showcased successful collaborations with clients like the Environment Agency, Team Van Oord and Arup, demonstrating our commitment to safety and our creative combinations of aerial, terrestrial and marine techniques to reduce the amount of person-time required in hazardous foreshore environments and deliver a cost-effective, safe and proportionate solution.

We also talked about sustainability, both in terms of carbon reduction and the social and community aspects of sustainable development, and the additional value which archaeology and heritage can bring with stakeholder engagement, community buy-in, education and outreach strategies and working towards our clients' placemaking and legacy goals.

www.wessexarch.co.uk

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FLOOD EX

UK

The trade event for the flood risk, sustainable drainage, and water level management sector

26 & 27 FEBRUARY 2020

PETERBOROUGH ARENA

WWW.FLOOD EX.CO.UK



Today our changing climate and societal needs are raising a number of challenges for reducing flood risk, conserving our precious water resources, and enhancing wetland environments. For over 85 years ADA has been

at the heart of the debate as the membership organisation for public authorities that manage land drainage, water levels and flood risk throughout the UK: www.ada.org.uk

ADA is working alongside the Association of SuDS Authorities (ASA) and a broad range of organisations and businesses to cement FLOOD EX as the premier trade event for flood risk, sustainable drainage, and water level management. Next year's event will take place at the Peterborough Arena on the 26 and 27 February 2020.

Our focus is to bring together public authorities, infrastructure providers and land and property managers from across the UK at FLOOD EX, to meet with experts, consultants, and suppliers. You will see the latest equipment, technology, services as well as new innovations that can help your organisation become more resilient in its response to a changing climate. The event offers excellent opportunities to engage in discussion and share best practice and knowledge through a series of free-to-attend seminars, an exhibition drinks reception and a networking dinner.

Contact: Jon Irwin, Event Director
M +44 (0)7748 150004
jon@floodex.co.uk
www.floodex.co.uk

Utility Week Live

Utility Week Live is the UK's leading utilities industry exhibition, brought about by the experts at Faversham House Ltd, who are behind the leading business media brands in the gas, water and electricity industries.

The annual event is attended by over 3,000 senior utilities professionals, including energy retailers, gas and electricity network operators, water and wastewater companies, and water retailers.

Building on the theme of Disruption from 2018's show, Utility Week Live 2019 explored the theme of Transition in all its many forms.

This included the transition to sustainable and flexible energy and water systems, the digital transformation, the IoT and the use of AI, and the numerous business model transitions which are taking place across the industry.

Taking place from 21-22 May 2019 at the NEC, Birmingham, 2019's event welcomed thousands of visitors, hundreds of exhibitors and hosted six simultaneous content programmes, making Utility Week Live 2019 an unmissable exhibition for all



involved in the utilities industries.

The next event will be held from 19-20 May 2020 at Birmingham's NEC, and will focus on the theme of The Utility of the Future. This is our second pick of the best exhibitors from this year's show, listed here in alphabetical order: Ambiental Risk Analytics, Electralink, Impact, Nijhuis, Radiodetection, Sarco Stopper, Streetworks Software, UKSTT & Vac-ex Further details can be found on this page and the next.

www.utilityweeklive.co.uk

Ambiental Risk Analytics

Flood predictions under a changing climate, the ability to analyse the impacts of future climate scenarios is increasingly in demand as utility providers, infrastructure managers and commercial developers seek to understand how risk may vary as climate characteristics change.

Ambiental, a company of Royal HaskoningDHV, has created the first national flood maps which use future climate change prediction models as input data. FloodFutures® is an innovative product providing a global capability to understand flood risk up to 60 years into the future. FloodFutures® was first launched in Great Britain, which is expected to receive future increases in rainfall



frequency and intensity. As a consequence it is predicted that flood hazard will generally increase over time, through severe events occurring more often and through rising sea levels.

The new flood maps reveal how flood hazard (pluvial, fluvial and tidal) is predicted to vary regionally, at different time epochs and under different emissions scenarios. The predictions from FloodFutures® enable detailed analysis of changing risk impacts to property, infrastructure and the environment.

Ambiental is a global risk modelling specialist delivering flood risk analytics data and dashboard systems to governments, NGO's, charities and commercial customers worldwide.

To discover how FloodFutures® can support your long term sustainability objectives and inform your climate risk management adoption activities contact info@ambientalrisk.com and visit www.ambientalrisk.com/floodfutures.

T +44 (0)203 857 8543

Nijhuis Industries

Your single UK partner for all aspects of water management, winner of the 'Most Innovative Technology' Award at Utility Week Live 2019, Nijhuis Industries UK & Ireland has successfully merged with DEBA Ltd (now Nijhuis DEBA) to increase its portfolio of water and wastewater treatment services.

Nijhuis UK and Nijhuis DEBA can now operate together as your single UK partner for all aspects of water management.

Nijhuis DEBA is a proven provider of mechanical and chemical solutions for cooling towers, and wastewater bio-organic catalyst applications. With a proud history of providing engineering services, products and technologies Nijhuis DEBA enables organisations to meet health, safety, and environmental obligations in the areas of Legionella compliance, as well as water and ventilation hygiene.

These services are added to Nijhuis Industries existing potable water and wastewater treatment expertise. With in-house analysis, design, manufacturing, installation, operational capabilities, Nijhuis UK holds a wealth of

treatment experience across an extensive variety of industries.

As an international group, Nijhuis Industries delivers customised installations to enable customers to generate profit out of (waste) water, process water and waste. We meet today's challenges, as well as those of the future, as a response towards a circular economy in a fluid world.

Contact
T 0333 7000 007
info.uk@nijhuisindustries.com
www.nijhuisindustries.com/uk

T 0118 989 2444
sales@debaltd.co.uk
www.debaltd.co.uk



Sarco Stopper



Sarco Stopper is an SME based in Broxburn, Scotland, that design and manufacture flow stopping and bypass systems for distribution mains in gas, water oil and other pipeline applications. Founded in 1877, the company underwent a management buy-out in 2007 and have expanded consistently ever since.

The company target continued product innovation as the key to their long-term objectives and success and are pioneers at the

forefront of innovative designs that allow traditional gas distribution under pressure flow stopping and bypass technology to be utilised in the water sector, by developing Aquastop, Hydrant Wizard and Arctic Driver solutions, utilising water inflated stoppers for under pressure repair and maintenance activities.

Aquastop line stopping and bypass system and Hydrant Wizard, utilise pressure from the water main to inflate the stoppers and avoid knock-on bursts caused by depressurising and repressurising the main, while also maintaining customer supply throughout the operation. Arctic Driver freezes the ferrule supply connection to domestic properties and permits replacement of the service with minimal loss of supply to the property and no interruption to any others in the area. The Aquastop & Wizard systems are widely used by UK water companies and also by those in Australia and South America.

T +44 (0)1506 855824
sales@sarcostopper.com

Radiodetection



Radiodetection is a world leader in the design and development of test equipment, used by utility companies, to help install, protect and maintain their infrastructure networks.

Radiodetection has a worldwide sales, service and support achieved through a network of sales channels across the globe. Our product range includes tools for prevention of damage to buried services and powerful video systems for pipeline inspection.

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companies and National Grid to enable more renewable energy on their networks and a better-balanced energy system. National Grid had previously warned of challenges caused by unpredictable renewable growth. This partnership not only allowed National Grid to more accurately gauge demand during peak but also resulted in ElectraLink creating a dataset that identifies 96% of all distributed generation on the system.

Alongside these vital data services, ElectraLink has helped to create the industry 'rule books' or codes and continually works to develop solutions at the heart of industry. ElectraLink already provides essential advisory, support and management to several vital energy market codes and our experience in managing these has provided us with a wealth of code framework knowledge. We have developed business solutions that are adaptable, versatile and equipped to provide lasting, impactful efficiencies. These solutions are supported by the EMDH that means our approach is intelligent and data driven.

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communications@electralink.co.uk
www.electralink.co.uk

ElectraLink manages the Energy Market Data Hub (EMDH), a data infrastructure which underpins several critical industry processes, including energy settlement, changing supplier and metering. The EMDH encompasses the Data Transfer Service (DTS) which supports the exchange of essential energy market data 24/7/365 between over 270 electricity and gas parties in the UK. We are positioned at the heart of the energy industry which allows us to partner with a variety of utility stakeholders to develop innovative data insight and analytic solutions, with in-built governance structures, that are democratising access to energy market data, enabling innovation and competition across the full spectrum of energy market participants.

One example of the positive impact of our data includes our partnerships with network

Dawn Greig takes the Chair at UKSTT



Dawn Greig made history this year because for the first time since its formation in 1993 she has become the first woman to be elected to the role of Chair of the UKSTT (United Kingdom Society for Trenchless Technology).

Dawn is currently Global Creative and Business Director with Picote Solutions.



Commenting on her election to the UKSTT Chair Dawn said: "I am extremely proud to be elected to this role having served as vice chair to Matthew Izzard for the past two years and on the Council Board for several years. The UKSTT has established itself as the 'go to' organisation for the UK trenchless sector, which the Society is supporting with its ever broader range of Masterclasses, Roadshows and events, many of which are organised with our long-term associate Westrade Group. Our new website will be live soon and really highlights the benefits and uses of No-Dig technologies, which we hope will be a valuable

resource for the trenchless community."

Dawn continued: "We still have so much to do and to achieve in terms of getting trenchless technology recognised for the advantages it offers, despite many of the technologies now being seen as the preferred option when it comes to pipe work installation, maintenance and repair. Our aim is to continue growing the industry by bringing these techniques to the attention of current working professionals and educators alike to influence the next generation of engineers."

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SWS – sustainability through increased integration

SWS provide and continue to enhance tools that focus on the management of complex, safety critical, time focused, expensive and disruptive streetworks environment. Streetworks activity is key to ensuring the supply of essential power, water, and telecoms to the UK.

Our utility works management systems, SwIMS and CORONA provide effective, integrated tools that support the delivery of continued and enhanced sustainability goals across the sector.

SWS' approach, harnesses innovation, technology and people to create transparency across the environment. We

deliver value for our clients, their teams and our tools enable them to contribute positively to the communities in which they work.

At SWS we are deeply focused on providing works management tools that:

- ▼ Reduce the amount of raw materials consumed by the utilities sector during their essential network repair, maintenance and renewal programmes.
- ▼ Minimise traffic congestion
- ▼ Reduce journeys required
- ▼ Delivers huge gains on "right first time" reinstatement
- ▼ Stores and manages key data to provide for efficient

SWS

maintenance of the network in the future
 ▼ Ensures the optimisation of materials, reducing waste, increasing efficiency

SWS provides industry leading tools to our clients that help to protect the environment and enable key aspects of the "circular economy" across our key sectors, it makes both societal and business sense.

Contact
j.butler@streetworksoftware.com
www.streetworksoftware.com

Impact

Market research consultancy IMPACT's strapline, "From insight to influence", neatly sums up the value it creates for its clients. IMPACT's specialist utilities team always makes sure it goes beyond the WHAT which the results of large-scale quantitative surveys provide by uncovering the WHY that really influences decision making.

Two key ways it does this are using advanced analytical methods, and qualitative techniques including immersive research that helps participants to form views about topics to which they don't generally give much thought or which relate to innovations.

Recently, Impact's expertise in facilitating meaningful contact with hard-to-reach customers – including those in vulnerable circumstances and the digitally disenfranchised – has been helping a number of Utility companies to develop their stakeholder engagement for PR19/RIIO-2. DNOs working

with them for ED2 will be able to draw on their deep understanding of stakeholder mapping, triangulation, inclusivity and materiality, and other best practice to ensure they can demonstrate a clear line of sight from customer insight to their business plan outputs.

IMPACT are also at the forefront of research in electric vehicles; the latest results from the tracker they've been running since 2017 are expected to reveal some interesting shifts in customer attitudes.

For more information on how we can help you engage with your stakeholders, please contact Susie Smyth Head of Utilities, at: Susie.smyth@impactmr.com

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VAC-EX is a UK manufacturer of compact, towable vacuum excavators and safe excavating equipment. Everything we do is to allow safe excavating around live services and utilities. VAC-EX has drawn on its years of experience with the larger vacuum excavators to provide the industry with the AIR-VAC, the first ever machine that solves the problem of safe digging, in restricted access areas.



The innovative turbine and filtration design ensure there is a high level of vacuum.

The AIR-VAC complete with

trailer weighs 2200kg, light enough to be towed behind a transit van. The AIR-VAC can be tracked through the tightest of locations. Once at the dig site the ground is agitated with compressed air through the VAC-EX, AIR-EX lance, from a vehicle mounted compressor. The ground can now be safely vacuumed into the AIR-VAC



and stored in the 0.2m cubed integrated skip. Air lance and dig pipe are manufactured from HDPE Plastic which will insulate the user from any live underground cable.

This has been tested and certified to 75KV. Once full, the AIR-VAC can be tracked to a suitable location where the skip can be raised and tipped to allow the debris to be deposited into a dumpy bag, machine bucket or low trailer.

Contact Simon on 07964 017188
info@vac-ex.com
www.vac-ex.com

Dunton pioneer landfill regeneration



There are over 500 landfill sites currently operating in the UK. This may sound a lot, but then what if we consider all the former landfill sites that are no longer in use?

Records show that there are almost 20,000 historic landfill sites across England and Wales, most of which predate the mid-1990s, when there were few or no restrictions on the waste being sent to landfill.

So, what are we doing about these landfill sites, besides adding more of them to accommodate the 111 million tonnes of

controlled waste sent to landfill each year?

The answer is landfill regeneration. The process of excavating old landfill waste from the ground for reprocessing, then replacing it with clean soil. Landfill remediation is most often carried out to allow for building projects, ensuring the foundation is made both structurally solid and environmentally friendly before construction work can commence.

One of the UK's largest landfill regeneration projects, currently being handled by Dunton Environmental, is a 60 hectare site, which involves the processing and re-engineering of over 1.2 million m³ of waste soils for a new housing development.

Located in Faygate, West Sussex, the development known as Kilnwood Vale is now in its third year and already has over 800 new homes completed.

Neil Roe, Owner of Dunton Environmental writes: "Landfill remediation always has its challenges and the Kilnwood Vale project was no exception. With considerable settlement issues and ground gases to resolve, there were very few contractors with the capability to deliver a solution. At Dunton, we take pride in offering clients peace of mind in our abilities to complete a project on time, within budget and to the highest possible quality." Another recent landfill regeneration project of Duntons was a development for Wilmott Dixon, which involved the excavation and processing of over 200,000 m³ of landfill waste to produce a platform for a new sports centre.

Dunton have quickly become one of the UK's leading land

remediation contractors, having invested heavily into its purpose-built waste treatment facilities and the most advanced mobile machinery on the market.



Last month saw Dunton take delivery of their latest addition to their fleet of heavy machinery, with a brand new BOMAG RS650 Soil Stabiliser. The 28 tonne machine is the most powerful in the BOMAG range and the first of its kind to be sold in the UK. Duntons £500,000 investment provides them with a machine capable of a 600mm soil penetration depth and will enable the processing of up to 8000m³ of soil per day. It will also allow for more of the waste soil to be effectively processed for reuse on site, saving thousands in both time and off-site processing costs.

Tony Miscandlon of BOMAG UK said: "Dunton are a great client to work with. Their prime objective is very clear and that is to offer their clients the quickest, most cost-efficient service possible. The BOMAG RS650 will certainly play a key role in improving speed of delivery and ensuring those all-important cost benefits for developers."

Contact
T 0121 356 4360
james.hill@duntonenvironmental.co.uk
www.duntonenvironmental.com

Lanes Group plc

Drainage teams from Lanes Group plc have cleaned downpipe stacks at one of the UK's largest office complexes. They were supporting commercial fit-out specialists Beacon Business Interiors who have been refurbishing toilet blocks at MoD Abbey Wood.

The site, at Filton, near Bristol, is home to Defence, Equipment and Support (DE&S), the Ministry of Defence's procurement organisation.

Drainage engineers from the Lanes Bristol depot worked for 12 weekends to clean 29 downpipe stacks in the award-winning building. Lanes Bristol Area Development Manager Matt Banks

said: "The toilet refurbishment project was the ideal moment to clean the stacks.

"It ensured the internal drainage system was fit for purpose and would be operating at full capacity when the new facilities had been installed. "Regular cleaning of downpipes is essential as they can become clogged with scale, hair, and residues from sanitation gels and detergents.

"Pipes in downpipe stacks can also be compromised by items wrongly flushed down toilets, such as wipes and sanitary products."

The MoD Abbey Wood offices were

opened by The Queen in 1996. It has 1.63m² of building space on a 402-acre site.

More than 9,000 people work on the site which, in 1997, won a RICS award for ecological design.

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Retran® Reaches 100%

With the huge success of Retran® packaging, Bell have been working with their raw material manufacturers to achieve an even higher percentage of post-consumer waste within this product.

New for 2020 Bell are delighted to announce that they can now supply Retran® packaging made from 100% Post-Consumer Waste. The material is particularly exciting as it has been approved by the European Food Standards Agency for direct contact with food.

Traditionally the surfaces of Retran® have required a virgin layer of film for food applications however the new formulation means that virgin film layer is no longer necessary.

The new material contains 100% recycled polymer which is derived from home waste i.e. plastic rubbish that has been thrown out, collected, sorted

and turned back into material that can be used again.

Critical to the product is the source of the waste which is essential to ensure continuity of supply and maintain little or no difference in the colour of the film from batch to batch.

Retailers require certainty about the origin of their packaging therefore the new material supplied by Bell is fully certified.

If anybody requires samples please contact our sales office on +44 (0)1582 459292 or email k.potts@bellpackaging.com



Versatile liquid management

At PlantWorx 2019, EnduraMaxx revealed its evolutionary new corporate identity, which

has been created to help further strengthen the company's British brand values and support its innovative range of fluid-management products.

Alongside the brand reveal, the EnduraMaxx team also demonstrated the latest and most popular liquid-vessels for the construction industry from its trusted Enduratank and Enduraclean product ranges.

As specialists in the design and manufacture of quality polyethylene tanks, with capacities ranging from 150 to 30,000 litres, EnduraMaxx was showing its 10,000 litre vertical slim-line tank at PlantWorx. With their individually proven design, EnduraMaxx's slim-line water tanks offer the widest possible range of uses in rainwater harvesting and management, and are WRAS approved for the storage of portable water.

Also on show was the company's site tow trailer mounted dust suppression bowlers. For construction sites, where dust is a problem, EnduraMaxx's bowlers provide a quick and cost-effective on-site solution. Powered by a petrol engine pump, they are available in capacities up to 10,000 litres, and mounted onto a galvanised road legal chassis with several pump and hose reel options, as well as a dribble bar or deflector plates.

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V2G: The journey to commercialisation

Alexander Lewis-Jones, head of electric vehicles research at Delta-EE, gives a snapshot of vehicle-to-grid developments.

Vehicle-to-Grid is the technology that enables bidirectional charging – where an electric vehicle can both charge from and discharge onto the grid. With V2G, EVs can play the same role as static batteries in managing local loads and participating in energy market value streams.



The technology could become a powerful disruptor to European electricity markets, but is not yet commercially available. Apart from some isolated instances, all V2G has been

deployed in the form of trials and pilots over the past five years.

So, what can be observed from current developments? What is happening, where and involving whom?

Where is V2G happening?

There is interest in V2G technology across Europe but certain countries are emerging as frontrunners in terms of the number and maturity of projects.

In 2013, Denmark hosted one of the first demonstration projects for V2G. The success of this research project opened up interest in developing V2G further. Subsequently Denmark hosted what we recognise as the first commercialised V2G project in Europe. Nuvve's V2G project is delivered for a business fleet of 10 electric vans for electricity retailer Frederiksberg Forsyning. The predictability of fleet vehicle use can make the opportunities for V2G services more reliable for the market.

Another country leading on V2G is the Netherlands. From the very start of the current EV market, the Dutch government have had a strong focus on smart and connected infrastructure. Many Dutch cities have innovation-focused programmes typically influenced by research institutions, such as TU Delft and Hogeschool van Amsterdam, with Horizon 2020 or similar European innovation backing. Local DSOs have considerable interest in the control of EV charging because it pairs with the growth of intermittent renewables.

The UK government has been a major driver for the development

and deployment of V2G on a global scale. Not only is V2G seen as a technology that provides grid benefits but it is seen as a part of the industrial strategy that will enhance the country's automotive and electrical manufacturing sector. For this reason, Innovate UK (the UK government's innovation body) launched a £30m competition for V2G projects.

Twenty-one projects shared the funding, with eight "real world" demonstration projects taking most of the money. While these are now live, 2019 will only see the recruitment phase. It will be in 2020 and 2021 before results are announced.



Who are the leading players?

Nissan's LEAF and eNV200 vehicles are already commercially successful and V2G-enabled – something most vehicles cannot claim. So, they are being supplied to many of the ongoing V2G demonstration projects, even without having Nissan in the project team.

In 2017, the Italian utility Enel acquired US-based eMotorWerks, a charging and platform developer and has gone on to explore V2G under the new brand: Enel X.



Nuvve is a California-based technology developer with a decade of V2G experience. It provides software and can act as the aggregator. The firm, in which EDF Energy has invested, already has a commercial client via the Denmark project

outlined above. Its proposition is designed to lower the cost of the infrastructure, overcoming a potential barrier to V2G technology.

Will Nissan stay dominant?

Nissan has been the car maker of choice for use in V2G projects but other vehicle manufacturers are gearing up. Renault is trialling V2G; Volkswagen's newly launched energy business, Elli, is talking about it; Honda is investing in it. However, there is still some work to be done before these manufacturers have established a V2G

DELTA-EE

charging standard that can seriously challenge CHAdeMO (the charging standard preferred by Nissan which can accommodate V2G).

Though VW remains behind the pack on V2G deployment, its high level of investment in EV solutions and publicly stated ambition to lead the sector could see it leapfrog competitors such as Nissan and establish a leading position in the years to come.

Four factors need to be considered for V2G to become fully commercial across Europe:

1. The duty cycle of the EV – when is the EV available for V2G and how predictable is this? Fleet applications may be fruitful early markets
2. The volumes available – what is the potential when the EV batteries are stacked up? How many will be available simultaneously?
3. The customer – how many customers are there and how willing are they to contribute?
4. The value streams of V2G – will V2G find its feet best providing grid level flexibility services, or at a more localised level such as for cities or homes? This will vary country by country.

On this basis, buses and large vehicle fleets operated by individual clients are likely to offer the earliest market opportunities. Pools of privately owned cars and vans plugged into distributed networks of domestic chargers could ultimately offer greater stacked value but the stack will take longer to develop. By this point, static storage solutions may be too economically powerful to compete against.

With Innovate UK's 2018 demonstrators due to complete in 2021/22, the next few years are critical for the future of V2G technology in Europe.

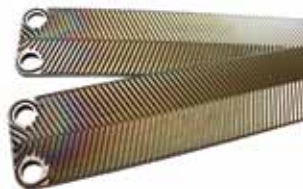
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Air Quality, Clean Air & Ventilation News

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Edie Live Show Review Top 10

edie Live 2019

edie Live is the UK's number one event for energy, sustainability and resource professionals, and 2019's show was better than ever, drawing together the topics of energy, resources, the built environment, mobility and business leadership.

Taking place on 21–22 May at NEC, Birmingham, edie Live offered the chance to be inspired by sustainability superstars, coached by industry experts, encouraged by peers and shown the way by hundreds of innovative suppliers.

The show boasted an impressive range of features, including the Sustainability Keynote Theatre, Packaging Zone, Workshops, EV Showroom, Innovation Centre, Advice Clinics, Sustainability Games, Theatres for Energy,

Innovation and Circular Economy, and hundreds of exhibitors.

Indeed, edie Live 2019 was all about harnessing new innovations, forging new collaborations and evolving business strategies to achieve a sustainable future, today. The event actively encouraged its visitors to pay close attention to the solutions on offer, and turn their ambition into action.

edie
empowering sustainable business.

Next year, edie will be hosting Net-Zero Live, an evolution of edie Live, on 19–20 May 2020. This is our second pick of the best exhibitors from this year's show, listed here in alphabetical order: Clean Growth UK, Convene, Eco cooling PyroCore and Robert Scott. Further details can be found on this page and the next.

www.edie.net

The new greener way to clean



of the solution so it also acts as a mild cleaning agent.

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The Toucan Eco system is available in a range of unit sizes to suit small, medium or large facilities.

For more information please visit www.robert-scott.co.uk/know-how/is-chemical-free-cleaning-possible/

Toucan Eco bio-cleaning system is a revolutionary way to make a multipurpose disinfectant cleaner on-site, which replaces 80% of chemical cleaners and puts an end to the single use plastic bottles they are supplied in.

The system requires only two ingredients – table salt and tap water – which are electrochemically activated by applying a small electrical current using a specialised electrolysis cell. This produces a powerful disinfectant, while gently raising the pH

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Much has been made of Convene's ability to increase efficiency, remove pressure from administration functions, and to promote transparency via encouraging more effective

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Toucan Eco is a revolutionary way to produce a multipurpose disinfectant cleaner on-site, which replaces 80% of chemical cleaners and puts an end to the single use plastic bottles they are supplied in.

The system requires only salt, water and an electrochemical reaction to make a powerful, safe and eco-friendly disinfectant and gentle cleaner which kills 99.999% of bacteria.

Welcome to eco-friendly cleaning from Robert Scott.

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Sailors on the Royal Navy's HMS Prince of Wales' are testing state-of-the-art pyrolysis units during the latest phase of the Queen Elizabeth-class aircraft carriers' sea trials in the North Sea. This is just one of the many military-based units that the PyroCore team have been involved with and continue to support.

"I am hoping to gain more knowledge on such equipment which will be extremely useful to me over my career in the RN," said Marine Engineering Technician Niall Kelleher, one of the carrier's junior sailors responsible for operating the rubbish machines.

"The plants' waste reduction ratio will benefit the ship's company with us having far less waste to dispose of during 'out all gash' - and enable us to store the waste far easier."

PyroCore are a global leader in small scale future-ready pyrolysis solutions, and can help eliminate the need for landfill, reduce carbon emissions relating to transportation costs of waste as well as by reducing the use of incineration across the UK and globally, cutting the amount of waste, raw material and energy costs as well as making a significant contribution towards sustainability.

The growing drive for more sustainable business and the move towards a circular economy is one backed by PyroCore which can really help elevate the CSR of an organisation.

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Clean Growth UK

Clean Growth UK is a university-led business accelerator that catalyses clean and green business innovation and growth.

Action on climate change today is imperative for a prosperous and clean economy tomorrow, and businesses have a massive role to play. Developing cleaner and greener products, services and processes will help secure a bright future for generations to come.

Clean Growth UK is here to give ambitious, responsible businesses access to university R&D expertise and facilities, and the tools and resources needed to develop ideas into commercialised products and services. Whatever stage your mission is at – from early concept to market launch – we can help get you there.

Member businesses have access to bespoke support packages that can include a personal business coach,

university-business R&D partnerships, a peer-to-peer business support programme, business masterclasses and investment-readiness support.

Clean Growth UK is delivered across the UK through its three regional hubs: the University of Brighton's Green Growth Platform, the University of Portsmouth's Greentech South and Liverpool John Moores University.

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EcoCooling provides an effective large space cooling alternative to refrigeration, at just 10% of the operating costs and 60% of the capital spend. The eco-friendly direct evaporative cooling and ventilation solutions enable you to maintain internal temperatures below 25°C all year round. Whether you're looking for blanket cooling or spot cooling for workstations and production lines, EcoCooling's systems are versatile and can be tailored to meet your specific

requirements.

The evaporative cooler is coupled with ventilation so on days where additional cooling isn't required you can take advantage of the system's free cooling, which helps to make it so cost and energy efficient. Even on the days when evaporative cooling is enabled the EcoCooling standard unit can cool a 250 sqm space for less than 14p per hour.

With over 3000 installations worldwide, EcoCooling is an experienced UK manufacturer with solutions for a range of applications including



warehouses, factories, gyms and large retail units. Our complimentary in-house design consultancy service ensures that the most effective, sustainable system possible is designed for your building.

T 01284 810586
sales@ecocooling.co.uk
www.ecocooling.co.uk

Letsrecycle Live Review Top 20

Get recycling at Letsrecycle Live

Letsrecycle Live is the UK's leading trade show for all things recycling, held this year at Stoneleigh, Coventry, from 22-23 May 2019. With some of the largest recycling, materials and machinery companies in business coming together to discuss new ideas, the show did not disappoint. Talks, seminars, demonstrations and much more were on offer, with exhibitors showcasing some of the most innovative and futuristic products the recycling industry has to offer.

The show hosted both indoor and outdoor events, a plant and machinery zone, collection and transport zone, energy and alternative fuels zone,



materials village, fire and safety zone, waste and professional services, live demo area, conference theatres, ride and drive area, trucks in action, networking events, and the inn

on the green, perfect for light refreshment after a day spent meeting and greeting.

Letsrecycle Live is an unmissable event for those that work within the recycling industry, and presents an opportunity to expand your business, and learn more about your market like no other.

The show will return in two years' time from 12-13 May 2021 at Stoneleigh, Coventry. This is our second pick of the best exhibitors from this year's show, listed here in alphabetical order: Recoup. Further details can be found on the right.

www.letsrecycle.live

Have you joined RECOUP yet?

National plastics recycling charity, RECOUP, are a member-based organisation. Active across all sectors of the plastic supply and recovery chain focusing on recycling project development and delivery, data collection, research and strategy.

RECOUP represent the plastics recycling value chain in the UK and Europe. RECOUP provide their members with information on legislative, strategic and practical developments in plastic packaging recovery & recycling, develop research and information in house.

Annually RECOUP bring together up 500 delegates at a Conference, to discuss and debate the future of recycle plastics. In 2019 the Conference highlighted the issue of plastics within the agricultural and construction industries alongside consumer perceptions and technological advances in plastic packaging sorting and recycling.

"The world is facing a climate and environment crisis, and how we do business really matters. If we are to ensure we have a healthy, sustainable natural environment to pass on to future generations co-operation is imperative, and RECOUP brings all sectors

of the waste management value chain together." – Iain Ferguson, Co-operative Environment Manager

RECOUP support educate and advise citizens on plastics recycling issues through their Pledge2Recycle Plastics initiatives, including events, roadshows and schools education across the country.

RECOUP also produce the only independent national research on UK Household Plastics Collections and have developed a series of Recyclability of Design brochures available from the download centre on their website.

For more information about RECOUP contact
ENQUIRY@RECOUP.ORG
WWW.RECOUP.ORG
@RECOUP_UK



UK AD and World Biogas Expo Review Top 20

UK AD and World Biogas Expo

Offering everything you need to know about anaerobic digestion (AD) and biogas, 2019's UK AD and World Biogas Expo, held at Birmingham's NEC from 3-4 July 2019, was a huge success, featuring the inaugural World Biogas summit alongside the traditional Expo and Awards. Attendance was up 8% on 2018's event, and it featured five new dedicated theatres and an opened-up show floor. This allowed for even greater interaction between visitors, speakers and exhibitors, who all gave exceptional feedback.

The show's popular seminars, engaging displays, business deals and great networking opportunities all combined to create an excellent experience for all who attended.

The Engine Room was constantly full, offering valuable insights into the intricacies of operating an AD Plant. What's more,

the Future Farming theatre proved to be highly popular, offering advice on diversifying income and the best on-farm AD practice. There were also great sessions available at the Circular Cities and Food Waste & Water theatres.

The show will return next year from 1-2 July 2020 at the NEC, Birmingham, so be sure to book your slot. This is our second pick of the best exhibitors from this year's show, listed here in alphabetical order: Hidrostal and National Oilwell Varco (NOV). Further details can be found on this page and the next.

www.biogastradeshow.com



Hidrostal mixers mitigate site downtime

Hidrostal has provided a catchment of 46,850 people with years of maintenance free waste water treatment by replacing the previously installed in-tank propeller mixers at the Waste Water Treatment Works with their HidroMix external mixing pumpsets.

An important stage in the waste water treatment process is to keep the solids in suspension in the sludge holding tanks, a process which is often managed using in-tank propeller mixers. The downside to this method of mixing is that solids can build up in the tanks. This had been the case for the WwTW which had resulted in a periodic shut down of the site in order to dig out the accumulated solids.

Hidrostal supplied two of their E08R standard mixers with bearing frame pumps on mounted baseplates to replace the propeller mixers. The HidroMix system supersedes the traditional method of mixing with an external mixing capability which employs a very simple system of pumped recirculation. Unlike other mixing systems the Hidrostal concept does not require structural steelwork within the tank. The system is mounted at ground level and fixed to

the outside of the chamber. Large diameter nozzles are installed externally through the tank walls resulting in minimal friction losses with maximum energy imparted to the fluid.

The beauty of the HidroMix concept is that maintenance problems are vastly reduced due to the complete elimination of static and moving parts within the tank. Good compliance with CDM regulations reduces Health & Safety risk and mounting the pump outside the tank at ground level ensures it is easily accessible for installation, inspection and maintenance.

For further information please contact Lucy Ogden, Marketing Manager for Hidrostal Ltd.

T 01234 339724
lucy.ogden@hidrostal.co.uk
www.hidrostal.co.uk



National Oilwell Varco



National Oilwell Varco (NOV) introduced the Chopper Hopper™ to its line of industrial pumping solutions. Designed for food processing, and rework or recovery of product, the Chopper Hopper is a powerful, aggressive grinder pump that brings together solids reduction and transfer pumping into one efficient unit. The biogas production process requires that products of various types and sizes are efficiently reduced to a homogeneous particle size.

This unique packaged system helps to improve digestion efficiency and gas yield and homogenizes items like whole fruits and vegetables, turning them into a pumpable puree. Drastic size reduction occurs in the first stage of solids reduction, where cutting blades grab, tear, and shred solids down to a particle size of approximately 50 mm in a

single pass. The second and third stages offer greater reduction, providing the desired solid size and texture needed.



The Chopper Hopper incorporates a combination of the proven EZstrip™ progressing cavity pump and EZstrip TR Muncher, making processing easier and faster than ever before. The Chopper Hopper's overall design, which includes a large surge capacity hopper and high flow rates, leads to less wear, better performance, and less downtime than similar units.

T 0161 339 9000
industrial@nov.com
<http://nov.com>



Pollywood: The Natural Choice

Sustainability Today is proud to announce that Pollywood Ltd has been selected as our Construction Materials Company of the Month, for the development of its innovative and eco-friendly wooden tube which is set to

we've identified over 180 potential uses for Pollywood in 13 sectors of the economy, including producing strong and quickly erected buildings. Currently, we are focusing on creating Pollywood Utility Poles to replace harmful creosoted

line poles, which are critical to the robustness of the UK electricity network," explained Quentin Kopp, Chairman.

The company is currently based at the Materials Processing Institute, Teesside, which provides research support for a wide variety of technologies and SMEs, such as Pollywood Ltd.



Steve Crighton at the LCNI October 2019



"Creosoted poles will soon be banned. While creosote is a very effective wood preservative when the treatment is applied effectively, it is highly toxic and carcinogenic. Our attention is focused on this development. We were approached by the Energy Innovation Centre, who work with the electricity, gas and water distribution companies to identify and develop innovations to solve any operational problems they have. We presented to their innovation panel and have been supported by Northern Powergrid, a Distribution Network Operator, to develop a replacement for the creosoted pole."

Indeed, creosoted and chemically treated poles leach thousands of tonnes of carcinogenic materials into the environment each year. Pollywood's method of manufacture protects the poles against water, fungus and insects without leaching harmful chemicals into the environment. What's more, at 1/4 of the weight of the current heaviest poles, it can be easily carried by two men. This will save damage to the environment in rural locations caused by heavy lifting machinery and disruption to traffic in urban areas.

revolutionise the construction world. Established in 2011 by Steve Crighton, who boasts a wealth of experience in the wood industry, Pollywood is an eco-friendly material which will have an extensive range of structural and non-structural applications, boasting a better strength to weight ratio than steel.

"Our aim is to develop, patent and commercialise Steve's invention, and

"If all power poles were made from Pollywood, we could save 90,000 trees

every year, because each tree can produce a number of poles where current methods produce one pole per tree," Quentin explained.

"It also takes a lot less power to transport our materials. Based on an analysis of the CO2 and NOx

produced to ship poles from Baltic area forests, it is almost 12 times more harmful to the atmosphere than shipping Pollywood's raw material from the same ports. This is a huge benefit to the environment, as well as offering savings in production costs."

The Pollywood process enables orders to be made and delivered within



seven days, eliminating the need for Distribution Network Operators to store poles meaning that major weather events can be responded to effectively with replacement poles in line with any demand. What's more, current poles are stored and require bunds to prevent leaching from the storage depots. This is both hazardous and an expensive use of money and space, both of which could be put to more productive use.

"The Pollywood process will also allow poles to be produced to an exact agreed specification. No two trees are the same, so while creosote has done an excellent job, replacement treatments have been nowhere near as effective. The regularity of the Pollywood process means the poles will have a predictable and long-lasting life.

"There are currently over 100 types of pole used by each Distribution Network Operator. Northern Powergrid estimates that the range could be reduced to just four specifications of pole using Pollywood. All Pollywood Utility Poles will have the same outside diameter,



Typical problem with pressure treated poles



which will enable savings to be made by standardising the fittings used to support the poles and any additional items such as transformers.

"As well as this, Pollywood boasts a number of advantages over other products which are competing to replace creosoted poles, including those made from Glass Reinforced Plastic (GRP) and steel. These are produced on high carbon routes which require large amounts of water. Pollywood uses wood very efficiently, coming from FSC approved sources where at least two trees replace each tree used. Our process also uses very little electricity and minimal quantities of water. We will have the process formally assessed when it is ready to become operational, but we believe it will be very low carbon." Currently, Pollywood Ltd is working with the Energy Innovation Centre to prepare a full business plan to move towards full



Steve Crighton, Quentin Kopp and Richard Brough

commercialisation, and regularly attends events throughout the year to raise awareness of its pioneering technology. The company attends Utilities Weekly Live, the EAT Overhead Line Conference and most recently the Low Carbon Networks & Innovation Conference, which took place on 30-31 October.

The Pollywood team were delighted with the response of the electricity distribution companies and many other relevant visitors to our stand, which stood out, because it clearly presented a route to assist the process of achieving the Government's Zero Carbon targets. There are many potential applications where Pollywood is a low carbon alternative including construction, street furniture and railways. If you would like to find out more information on Pollywood's full range of benefits, head to the website or get in touch using the contact details below.

M 07703 131459
quentin@pollywood-natural.com
www.pollywood-natural.com



Wilkinson Star announces new partnership with Tecna SPA, Bologna Italy

TECNA is a high quality Resistance Welding product which Wilkinson Star has distributed for over 30 years. From 1 August 2018, we are pleased to announce Wilkinson Star as the UK's sole exclusive importer of TECNA Resistance Welding Equipment.

TECNA SpA (Bologna, Italy) is a market leader in pioneering

solutions for resistance welding design and technology. It was founded in 1972 by the late Ezio Amadori, who led the business with great passion for innovation in technology and design. The company, still a family business to this day, is constantly moving forward with its welding knowledge and industry experience, and is pleased with the renewed partnership with

Wilkinson Star. In the words of Mr Damiano Bergami, the present owner, "The company motto, - Never stop, that's the secret - has been given a renewed vigour in order to assure TECNA's success today and in the future." Wilkinson Star, Manchester, is one of the largest UK independent Importers and Distributors of Industrial Equipment. Founder and

Chairman, Dr John A Wilkinson, OBE, commented, "My Company is looking forward to a renewed exclusive agreement with TECNA SpA. We have enjoyed the last 33 years but now we will go in many new directions and fields to become number 1 in the provider of Resistance Welding Product in the UK."

www.wilkinsonstar.com



X-Ray for production monitoring



Explorer™ One enables you to quickly understand the solder quality of your products by delivering the clearest X-Ray images. Market leading image quality makes it quick and easy to locate and qualify potential defects and make pass/fail judgements fast.

The imaging chain in the Explorer™ One draws on the Quadra series of tubes with their matched flat panel detectors and supplies, all designed and manufactured at Nordson Dage. This gives 2 micron resolution with, thanks to this imaging chain, a brightness and clarity expected of much larger systems.

The Explorer™ One is ground-breaking in other ways too. There is no lead used in the shielding of this system, which helps to protect the environment and greatly reduces the system weight. Of course, there is no compromise on safety and the system is fully compliant with world-wide standards.

To get further details, please visit our website at: www.cupio.co.uk or give us a call on 01962 832654.

Pneumatic workpiece ejector

Hainbuch is offering users of its Mini Series, or the earlier Toplus or Spanntop chucks, an innovation that is said



to save time and money. The company's Vario Part and Vario Quick end-stop systems have now been joined by a third variant – Vario Flex. The pneumatic workpiece ejector pushes the workpiece from the chuck automatically. Its depth can be adjusted flexibly by means of a special retaining mechanism and it can be positioned in the machine exactly as required for the workpiece. This automated function increases process security and reduces cycle times.

The Vario Flex can also be used as a basic end-stop for coolant wash or air flush. The pneumatic spring is removed and a feed tube is attached. The optional workpiece-specific end-stop with holes for the wash and air-flush can then be mounted directly on this flexible interface. Time can be saved using the standardised end-stops. Set-up times are reduced and the user always has the right end-stop ready to hand. Whether to use Vario Quick or Vario Part is just a matter of preference.

For precise, rigid clamping, Hainbuch recommends using the Vario Part system. It works on the same principle as a gauge block, and its height can be finely adjusted in 1mm steps with gauge discs. With an axial run-out of <0.02mm at the part of the end-stop that touches the workpiece, Vario Part is suitable for machining finished parts. The Vario Quick variant is intended for fast, flexible clamping. It has a precise, trapezoidal thread screw to allow the clamping length to be adjusted quickly. A half-turn is equivalent to an axial adjustment of 1mm. Hainbuch also offers end stop blanks for workpiece or front end stops.

T 01543 278731
www.hainbuch.co.uk

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Bespoke power screws



Kingston Engineering produces bespoke power screws in material and lengths that suit specific application demands.

The company has been manufacturing right hand/left hand, single multi-start, cut thread power transmission screws and nuts for over 60 years, and currently offers a full range of thread forms suitable for mechanical power transmission.

Standard screw products are manufactured from specially produced precision ground carbon steel. In addition, all parts are manufactured under a quality regime and subject to final inspection before dispatch, working to ISO 9001 –2015 accreditation.

Kingston power screws are used on the Gripen, a supersonic multi-role/swing-role fighter jet, which has been in service with the Swedish Air Force since 1997. Here the company provided exacting specialist screw threads, which are powering Gripen's retractable fuel probe as part of the fighter's air to air refuelling capability.

Kingston Engineering also offers a full component reclamation and enhancement service. Typical applications where reclamation and enhancement should be considered are for expensive components that are mainly serviceable but with localised wear; components required for quick replacement, but are only available on extended delivery; components where worn areas may be reclaimed and also enhanced with harder, more durable materials for longer service life and reduced downtime.

T 01482 325676
www.kingston-engineering.co.uk

High quality surface treatments



Curtiss-Wright Surface Technologies (CWST) provides high quality surface treatments which will improve the life and performance of critical components through its global network of over 70 operating divisions and specialist onsite teams. Our surface treatments have been successfully used by OEMs in major industries such as aerospace, automotive, oil and gas and power generation for many years.

We are only too aware of the logistical challenges & costs faced by our customers and so we can offer a one stop shop solution providing a wide range of surface treatments including Controlled Shot and Laser Shock Peening, bespoke and trade Coating Applications, Thermal Spray Coatings and Parylene Coatings for metal, alloy, plastic and electronic components as well as Analytical Services.

We offer our customers a single source solution and point of contact for all their surface treatments, supporting their requirements through our global network of over 70 worldwide facilities and on-site field teams, improving and reducing turnaround times and costs. We are specialists in protecting components from common failures and reducing maintenance costs for key industries such as aerospace, oil and gas, automotive, medical and general industrial markets.

Building on the unique heritage of Glenn Curtiss and the Wright brothers, Curtiss-Wright Surface Technologies has a long tradition of providing innovative solutions and building solid and trusted customer relationships. Full quality and customer approvals including NADCAP, ISO 9001:2008 and AS9100 Rev C.

T 01635 279621
www.cwst.co.uk

New Din Rail AC Inrush Current Limiter



Powersolve's new PSICL series is a low-cost peak inrush current limiter designed for capacitive and inductive loads in a variety of applications. these include installations across complex automation systems and machinery as well as isolation transformers or LED lighting applications where they are particularly useful

because you can have a large number of LED driver power supplies operating in parallel and all taking high peak currents together on switch on.

The PSICL series is a true current limiter and cuts off all peak currents when starting loads under practically every AC condition. Extreme conditions can occur on AC lines in the event of a break in the supply and when power returns, high current peaks can often cause havoc and will trip circuit breakers. In decentralised areas, this will often lead to increased maintenance costs as the breakers require re-setting. The PSICL current limiter prevents this happening and can result in reduced cable cross section used and smaller and faster circuit breakers.

The PSICL series is available in three 230VAC single

phase models with continuous operating current rating of 12A, 16A and 25A. Current limiting time is 100-500mS repeat intervals of 1000mS. They have an operating temperature range of -40°C to +70°C and conform to EN60950-1 and EN61000-6-20-3 standards and are CE and RoHS. MTBF figures are 300,000 hours.

The PSICL is housed in a low profile V0 flammability rated plastic case measuring 91H x 71W x 57Dmm. The same design designated PSESB series is also available in a very slim width enclosure with measurements of 100H x 22.5W x 112Dmm. Both items are DIN Rail mounted & internal circuitry is identical for both versions.

T 01635 521858
www.powersolve.co.uk/product-category/inrush-current-limiters/

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10

Sponsoring this issue of **Tradex News** is **Signzworld** on page 7

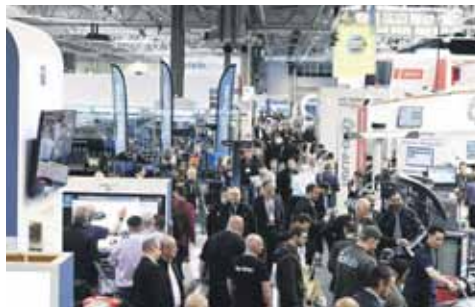
Automechanika 2019



Indeed, Automechanika 2019 was an unmissable event for anyone involved in the automotive industry, with 500 exhibitors from 23 countries. Visitors had the chance to meet existing suppliers, connect with new suppliers, source innovation, and upskill their workforce with new training. With such a great range of opportunities, there is no better way for companies to showcase new products and meet potential prospects, all within three days.

The next event will be on 8–10 June 2021 at the NEC, Birmingham. This is our pick of the best exhibitors from this year's show. Further details can be found on this page and the next two.

info@automechanika-birmingham.com



Automechanika 2019 took place on 4–6 June at the NEC, Birmingham. As the leading trade exhibition for the automotive industry, targeting visitors from across the UK, 2019's event was a record breaking show, attracting 12,145 visitors.

Offering three days of networking, business meetings, and the chance to educate automotive professionals about new products, it is the industry's premium platform to launch innovative technology and services to the market. 87% of visitors this year had purchasing authority, featuring decision makers from retail, independent garages, breakdown recovery, motor factories, tyre fitters, and various other sectors.

Financial Credit Services



Financial and Credit Insurance Services Limited exhibited at Automechanika this year.

We were extremely pleased with the positive response we received from visitors and exhibitors whilst at the exhibition and during our follow up process. As a result of the positive responses from exhibiting this year we will be exhibiting at Automechanika Birmingham 2021 so keep an

eye out for us!

As a specialist trade credit insurance broker, we advise on, arrange and help manage our client's trade credit insurance policies throughout the policy's life-cycle, including the claims process. If you trade on credit terms there is a risk of non-payment of your customer's debts due to insolvency, protracted default or even political risks, all of which can be insured against. Whether

you are a small business with a few debtors or a multinational corporation trading out of multiple countries with a large volume of debtors, we can provide you with free no obligation quotes that fit your company's style of trade.

Please contact Hannah Lyon-Wall on either +44 (0)1732 749754 or Hannah_Lyon-Wall@fincred.co.uk to request further information.

WAI launches 'Cores4Cash' green initiative

WAlglobal UK has launched a new green initiative aimed at taking back core from the automotive aftermarket to place it back into remanufactured product.

The Cores4Cash programme is set to encourage the return of core, seen as a boost for remanufacturing, via a simple returns process that enables motors factors and garages to be rewarded with a cash incentive.

With the launch of Cores4Cash, an increase in core return from factors and garages is anticipated. A simple returns process has been put in place that involves the free provision of a core bin by WAI, which will be collected free of charge when

filled with the specific parts listed.

Once checked at WAI's premises, a credit note will be issued within one to two weeks. Accepted product groups under the core scheme include starter motors, alternators, EGR valves, diesel pumps, calipers, turbos, steering pumps, diesel injectors and AC compressors.

Richard Welland, WAlglobal UK managing director, said: "As remanufacturing is on the rise and the market is growing more buoyant, WAI wanted to promote the benefits reman affords while encouraging sustainability. Our new green initiative is a win-win for all involved, not only by offering factors and garages a cash incentive and helping



increase reman capabilities, but also helping with the elimination of landfill space."

www.waiglobal.com

Thatcham Research Automotive Academy

For over 30 years, the Thatcham Research Automotive Academy has delivered technical training to the automotive sector and repair sector.

We deliver ADAS and Calibration and High Voltage vehicles awareness courses that help technicians work safely and complete repairs that help to keep customers safe.

ADAS and Calibration

This 1-day Thatcham Research certified course is aimed at repair sector staff who need to know about ADAS features, components and calibration requirements.

Attending this course will give you an understanding of the ADAS features, repair operations and adjustments that can influence system functionality post repair.

High Voltage Vehicle Awareness

This 1-day Thatcham Research certified course is aimed at repair sector staff across all disciplines,

insurance engineers and educational staff that need an awareness and understanding of high voltage vehicles.

Attending this course will teach you best practice for handling and repair pre-requisites for high voltage vehicles, and the theory of operation and components in the systems from mild hybrids to electric vehicles including fuel cell technology systems.

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With more journeys than ever before now being made by car, it is essential that our vehicles are always ready to go. Punctures and flat tyres can cause huge inconvenience to motorists and changing a tyre at the roadside can be a daunting and dangerous task. Being prepared with an AirMan tyre inflation and repair kit is the best way to ensure a rapid and safe puncture repair to keep your day on track.

AirMan's variety of repair solutions use an industry leading tyre sealant to temporarily seal punctures up to 6mm at the roadside in minutes. This unique formula is the same trusted solution supplied directly to leading vehicle manufacturers including Vauxhall, Ford and Honda to name a few.

The AirMan sealant is based on particle gel technology which can be easily rinsed out using water to allow for full repair. The fully manufacturer approved sealant is universally compatible and is guaranteed not to harm the wheel rim, tyre or pressure sensor to total peace of mind. Repair kits start from £19.99 and offer huge savings of upto 80% compared to main dealer prices.

www.airman-uk.com



Revolutionising Alloy Wheel Refurbishment



Alloy Wheel Systems is an established company, set up by industry leaders within the automotive alloy wheel industry, specialising in alloy wheel repairs, refurbishment and re-manufacturing.

Based in the UK, Alloy Wheel Systems provides clients with a full service and solution for reprocessing Alloy Wheels. Highly regarded as a one-stop-shop solution for alloy wheel services, the company provides an abundance of services in assisting clients with alloy wheel refurbishment including: customer advice, project management, site surveys, design services and provide an array of specialist equipment to reprocess Alloy Wheels to the highest standard.

Helping its clients with expert advice and advanced equipment to repair and refurbish alloy wheels, Alloy Wheel Systems produce solutions to assist client's in the most productive, efficient and cost effective way. The company consists of highly experienced and fully trained technicians and engineers who provide a comprehensive service providing design, manufacture, installation



and training services. The company is dedicated to providing the best quality equipment and ensures that they use the highest grade of materials, components and workmanship within production.

Gaining industry recognition since the company's inception, Alloy Wheel Systems has expanded its market presence and branched out globally, receiving orders from Europe and the Middle East.

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ValetPRO Ltd: UK manufacturer of car care products

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We've been manufacturing car care products, with customers worldwide since 2005 and specialise in pH neutral formulations.

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Visit the ValetPRO website to find out more about our product range: www.valetpro.global



Success for Uvex at Automechanika

Uvex exhibited at Automechanika, Stand L152 NEC, 4-6 June 2019, organised by Messe Frankfurt UK Ltd for the first time and is pleased to comment that it was extremely well run and very well attended.



During the show, uvex demonstrated its range of innovative Hand Protection products such as uvex phynomic x-foam safety gloves, with Safe Finger Release (SFR) Technology, ideal for use while operating machinery with moving parts. The glove is flexible, offers a high level of abrasion resistance and a solid grip. The ProDerm Institute Professional accreditation makes it suitable for those with sensitive skin.

Also, the revolutionary range of ultra-high cut gloves, HexArmor with SuperFabric®, designed to arrest and deflect cut hazards

without sacrificing dexterity and flexibility, offering superior puncture resistance, were on show.

To improve employee wellbeing, uvex showcased its proven range of anti-fatigue safety footwear. The multifunctional range incorporates a shock absorption system - a micro-cellular system that helps reduce stress on the musculoskeletal system giving extra support and comfort to help reduce wearer fatigue.

Uvex were also offering advice on how to reduce eye injuries with its 'Fit Programme', designed to increase wearer comfort and get safety eyewear worn. uvex's unique permanent anti-fog and scratch-resistant lens coating technology means eyewear remain fog-free even after repeated cleaning offering value for money.

With audience attendance ranging from industrial decision-makers and wearers of Personal Protective Equipment (PPE) from both commercial vehicle production, aftermarket and garages, the quality of the visitors to our stand and leads generated have been high, allowing us to gain more insight into this market sector.

Contact: Clair Weston
T +44 (0)1252 731200
c.weston@uvex.co.uk

STAR Translation Services

Supporting an impressive 200 languages across 35 countries, STAR is one of the world's leading automotive translation specialists.

STAR translates technical manuals and websites enabling companies to do business in every corner of the globe. With over 35 years' automotive industry experience the company specializes in technical information management and translation services, boasting many of the world's leading automotive OEM's as customers.

At this year's Automechanika STAR showcased their latest product offerings to trade professionals; Prisma for smart content delivery, and its Engineering Division's video VFX capabilities.

Prisma enables you to deliver intelligent documentation in any language using co-botting. When the electronic manual presents the process in real-time in the engineers language, they are more productive in a shorter timeframe. Combining this with an IOT feedback system means the system learns as it instructs - tailoring and optimising the service for each engineer.

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STAR helps you deliver on your global ambitions. With 50 global offices we have the firepower to coordinate multiple projects and languages simultaneously.

Contact: Damian Scattergood, Managing Director
T +353 1 8365614
Damian.Scattergood@star-ts.com
www.star-ts.com

Diagnostic Connections

Diagnostic Connections is an independent, family run business supplying Autocom, Topdon, OSCA, GYS & Pico to the aftermarket, offering friendly and impartial product advice to both existing and potential customers as well as offering second to none after sales support.



In the wake of this year's Automechanika Birmingham, Diagnostic Connections has picked up considerable momentum within the UK aftermarket as a new company but run by two familiar faces in the diagnostics sector. Automechanika Birmingham in June was crucial to Diagnostic Connections as it allowed it to promote the new brand and let customers and suppliers know the trusted faces that are behind the organisation: "It was brilliant. We had, certainly within our area, one of the busiest stands of the show. We had Steve Scott with us from Simply Diag Network who we sponsor, and that helped bring a lot of people to the stand. The fact that it wasn't just two guys trying to sell the tools from our range of products, we had real world technicians who use our equipment and could give advice from a real-world perspective, because although we have our strong, existing relationships, we are always looking for new business.

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Finishing Touch Alloys

Finishing Touch Alloys specialises in alloy wheel repair and refurbishment for both private and commercial clients. Offering a unique approach to alloy repairs, the company delivers an efficient, cost effective, mobile service delivered at a location to suit you.

Providing expert insight from the company's expansive experience of over 28 years, Finishing Touch Alloys can return alloys to their original condition. Finishing Touch Alloys mobile engineers are fully equipped to deliver professional diamond cut alloy repairs within their mobile facility delivering a convenient, efficient and effective service.

The show was the perfect platform for Finishing Touch Alloys, providing a lot of interest and enabling the company to broaden its networking opportunities; the show allowed the company to showcase its repair services and inform the industry on the wealth of business opportunities the company provides for franchising.

Responding to the demands of the wheel repair and body shop industries, Finishing Touch Alloys offers a selection of business opportunities. Finishing Touch Alloys provides three different business packages including: a fully fitted van with training ready for the independent trader to repair wheels using its system,



a machine only supplied with training for use in a small workshop or self-build set up; to build their own van and identity and lastly, a re-configured option enabling the user to repair standard painted alloys to allow the operator to repair any type of wheel in the same vehicle to provide more business opportunities. Offering training and support alongside the packages, Finishing Touch Alloys provides operators with the right tools to optimise their business potential.

Contact
M 07402 734660
www.finishingtouchalloys.co.uk

First time at show for OSCA

OSCA exhibited at Automechanika for the first time this year and it turned out to be a great success. We highlighted exactly what our tool can do and why it's so different to anything else on the market.

OSCA cable connects vehicles in garages around the UK with OSCA technicians at our head office. It enables our skilled technicians to complete programming and diagnostic work on vehicles positioned miles away.

We use a combination of scripts, tools and partners all around the world to complete jobs that other tools can't. OSCA also stops garages from having to tow vehicles to the dealer or getting third party companies in to complete jobs. Just plug OSCA in to the vehicle and our team will be on hand to assist you live, saving the user time and money.

Find out more on our website www.osca.online with a full application list that is being added to daily!



Graphene-Anti-Corrosion Primer



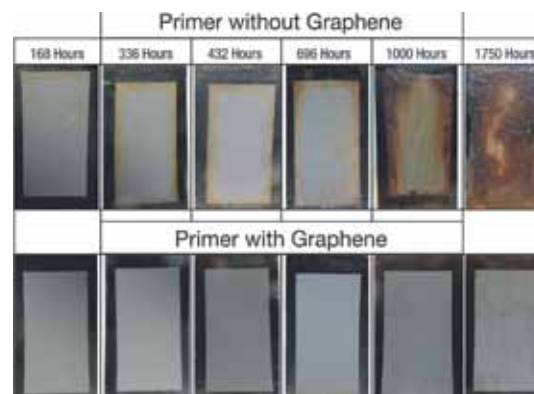
HyCote Graphene anti-corrosion single component (1K) primer has been specifically formulated to possess excellent resistance to corrosion. It also has excellent compatibility with the latest generation of water-based refinishing paints as well as traditional solvent based coatings.

Can be used on all types of conventional metallic surfaces, most synthetic paints and surface coatings and most rigid plastics; not recommended for use on flexible plastic surfaces.

- ◆ Exceptional corrosion protection – 1750+ hours ASTM G-85.
- ◆ Zinc Free – Less environmentally hazardous vs conventional anti-corrosive primers.
- ◆ Excellent barrier properties of Graphene dramatically extend coating life.
- ◆ Extremely fast drying – Touch dry in 3-4 minutes, sand and top-coat after 20 minutes.
- ◆ Excellent adhesion to metallic surfaces – Mild Steel, Aluminium, Zintec.
- ◆ Excellent Flexibility – ASTM D522 Conical Mandrel - No cracking.
- ◆ Excellent anti-sag properties enable high coat depths to be achieved.
- ◆ Fills minor surface imperfections.
- ◆ Smooth matt finish with excellent sanding properties.

- ◆ Can also be applied to many rigid plastics (subject to a successful trial on an inconspicuous area)
- If in doubt use Adhesion Promoter first. The below images show how the product performs using the salt spray test, a standardised and popular corrosion test method, used to check corrosion resistance of materials and surface coatings.

T 0161 627 0101
www.jamesbriggs.co.uk



Mentor Automotive Refrigerant Identifier

Status Scientific Control Ltd. is a UK company based in the East Midlands. After over three decades of manufacturing and supplying safety-critical gas detection equipment for hazardous and safe area applications, we are now applying this expertise in the Automotive industry. The Mentor Automotive Refrigerant Identifier products are indispensable tools for the automotive AC system refrigerant servicing and maintenance industry.

Providing simple and accurate refrigerant analysis, the Mentor is a user-friendly, cost effective R-1234yf and R-134a refrigerant purity analyser. The design uses state-of-the-art non-dispersive infrared (NDIR) technology to identify and measure the purity of refrigerant gases for automotive air-conditioning systems.

Due to the already large and rising influx of illegal refrigerants blends claiming to be genuine R1234yf and R134a, the Mentor Refrigerant Identifier is now an essential tool for car manufacturers and garage owners alike. It plays an important role in helping to protect automotive air conditioning systems and service and recovery equipment from possible damage caused by the potential, and unknowing use of illegal refrigerants.

www.refrigerantidentifier.com



JBL James Briggs Limited

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Products and services: JBL produces aerosols for a variety of sectors and industries, including automotive, industrial, footwear, construction, hospitality and janitorial, from the formulation of the product through to the design and packaging of the products. Starting with industry-leading research and development, the team works with customers to create and innovate high quality, premium products that stand out in their industry. Whether it is bringing a brand new offering to the market or updating a current range, JBL uses its expertise and cross-sector experience to ensure customers receive the most up-to date service. Customers are also given the option to benefit from JBL's brand design consultancy service which uses a brand's corporate image or style to create bespoke packaging solutions. Products formulated and manufactured by JBL are distributed all over the world by JBL's customers.

Looking to the future, JBL is committed to strengthening its offering in its core sectors, such as automotive, but is also making in-roads in new markets. Acutely aware of the changing appetites of consumers, JBL is constantly adapting its strategy to meet the needs of its customers and developing market-leading products that help brands to stand out from the competition.

Jamesbriggs.co.uk

JBL James Briggs Ltd., Salmon Fields, Rayton, Oldham, OL2 6HZ, England. Tel: 0161 627 0101

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For more information visit www.refrigerantidentifier.com

Status Scientific Controls Ltd. A PST Company

Clients delighted with water saving

In the few months since launch, our new Waterblade Easy is already installed and saving water, energy and money for clients from Airbus to Unilever, giving a ROI of under 6 months installed. Nigel at Waterblade says, "It's really very straightforward. Firstly, we send you a sample to fit (in minutes), establish compatibility and assess. Secondly, we provide whatever product and case study data is required to complete the business case. Thirdly, fit to all the washroom basins."

The Waterblade is easy to fit and WRAS approved.

nigel@bamfordwaterblade.com
www.bamfordwaterblade.com
https://youtu.be/EZyJ9ZcVRI8



Cinderella incineration toilets

What are they – Cinderella incineration toilets burn biological waste at high temperatures, leaving only an insignificant quantity of fine, harmless ash, amounting to the equivalent of about one teacup for four people during one week of use. The toilet may be used around 70 times before emptying is required. Cinderella incineration toilets are currently installed by over 60,000 users worldwide.

How do they work – Waste is burned in an integral combustion chamber. The harmless gases from this combustion are dispersed through a vent pipe. In contrast with other toilet systems, incineration toilets eliminate all waste on site without the need for connection to the main sewer or a septic tank.

Correctly used, Cinderella incineration toilets are odourless, hygienic & safe, providing a user experience similar to a normal domestic system. The user simply inserts a bowl liner, uses the toilet then presses a button to evacuate and incinerate the waste. Cinderella toilets are suitable for all ages and are child safe.

Where can they be used – Available around the world for decades, incineration toilets are a commonly used alternative in residential and



commercial applications without easy access to public utilities. These include mountain cabins, remote areas, tiny homes, off-grid structures, mobile homes, boats and many more. They do not require a water supply or septic system.

Power requirement – Cinderella incineration toilets use either 240V electricity or LPG as the combustion energy source. LeeSan is the sole UK distributor for Cinderella Eco Solution incinerating toilets. LeeSan is part of the Pump Technology Group.

T +44 (0)1295 770000
www.leesan.com

Genesis Biosciences appoints Citron Hygiene as sole UK distributor of its Evogen range

Global microbial and anti-microbial product developer, Genesis Biosciences, has appointed Citron Hygiene UK Ltd as the sole UK distributor for its professional probiotic cleaning range, Evogen Professional.

The partnership will see Citron Hygiene UK Limited – formerly Admiral Cleaning Supplies – offer the specialist, environmentally-responsible cleaning solutions to the UK HoReCa (hotels, restaurants and cafés) and Soft FM and cleaning markets, with next day delivery available to all parts of the country.



The extensive Evogen Professional range, which has been developed to ensure highly-efficacious long-term cleaning performance every time, includes interior solutions such as general purpose Biocleaner, carpet and upholstery shampoo, odour neutraliser and kitchen-specific cleaning products, as well as an exterior collection featuring hard surface cleaner.

A global leader in beneficial bacteria fermentation, Cardiff-based Genesis Biosciences is the first company to develop, manufacture & offer both microbial and antimicrobial products and is continually creating unique products and solutions for markets around the world.

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

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PUMP A Pump Technology Ltd. Group Company



The Floorbrite Group hits £20 million growth target one year early with new contract wins and business expansion

September 2019: Manchester-based cleaning and facilities service provider The Floorbrite Group has achieved its target of £20m turnover one year early after securing several significant new contracts.

Founded in Sale, Cheshire, in 1972, The Floorbrite Group is today headed up by second generation Wyers, Managing Directors Nik and Alex. The company has diversified over the years from cleaning into a full suite of facilities management provisions, including waste management, security and pest control amongst many others, with more than 1,500 staff across the UK.

Turnover has increased by 30% in the past two years, and the firm forecasts further growth of just under 20% for the next 12 months.

Its new contracts include Drax, the largest power station in the UK, the most prestigious window cleaning contract in the North West, Media City, plus TalkTalk and CBRE - together valued at more than £1m - along with Adidas' London headquarters.

Testament to its high-level of service and commitment to client care, the business has also seen consistent growth in its existing contracts, expanding the services it provides for the likes of Boohoo, and JD Sports at it's 1m sq ft distribution centre.

This latest news follows the firm's rebrand earlier this year, which future-proofed the business and facilitated further diversification, building on its success to date.

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www.Floorbrite.co.uk

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Motorstep launches its next best step

Within this issue of Tradex News we have selected Motorstep for the company's ongoing commitment to its customers and their constant strive for development and we have chosen them as our Motorised Step Specialist Company of the Year.

First established by Paul Bennett in 2013, Motorstep is a family run business based in Buckinghamshire. Motorstep is a manufacturer of motorised portable step lifts for caravans, motorhomes, RV and home. Reshaping and revolutionising the way in which people with limited mobility or disabilities can easily ascend and descend steps; Motorstep provides portable motorised lifting platforms specifically designed to effortlessly assist its user to overcome a problem step. Motorstep is helping to contribute to a more accessible lifestyle for its customers and brings a new independence back to the user and their families.

Since the company's inception in 2013, Motorstep produced one model of its Motorstep the MS600 range. Specifically designed to assist people with disabilities safely enter and exit vehicles, motorhomes and gain access to homes with steps, the MS600 was created to benefit the user providing a portable, easy to use and efficient lifting service. With a lift height



of 24 inches, the MS600 provides users with easy access and using its push button controls, the user can use the lift independently and safely to raise them to the steps required height. Leading the company into new heights, the MS600 proved to be a great success for Motorstep and the company has since launched a new model to meet its customers' requests. Launched on the 23rd of September 2019, the company now offers its MS800 model, its second model that assist's customers further and provides a higher lift height.

Speaking with Daniel Bennett about the new product, Daniel stated that "When we first started, we were selling just one product which is our first mobility step, the MS600 and we received great feedback for the six years that we have offered the product. Since then, we have received many requests asking for a higher lift. This has been particularly requested in America with vehicles such as RV's requiring a higher lift. This year we launched our second product

with a higher lift height of 32 inches and the feedback and reception has been great!"

Using the Motorstep could not be any easier, adaptable for use on many different vehicles and steps and requiring no installation the Motorstep is like no other motorised lift. "There is just no one else making what we do!" Daniel continued, "No one else produces a personal, portable lift for customers. The advantage of our product is it requires no installation and is portable; allowing the customer to travel with it and rest assured that they can gain access to homes/vehicles with ease, anywhere at any time!"

Motorstep provides products like no other and is committed to listening and responding to the needs and demands of its customers. With a strong emphasis on improving their customer's quality of life and making stepping accessible for everyone, Motorstep's MS600 and MS800 provide the most efficient, easy to use service and are gaining recognition globally. We had the pleasure of speaking with Daniel

Bennett about how the last 12 months has been for the company, he told us that "It has admittedly been a slow start to the year and initially it was challenging, but we have been very successful and exceeded our expectations! With the launch of our new model being really well received! It always feels good to be able to provide a service that helps people and this year we have seen even more sales especially overseas."

After an extremely exciting year for Motorstep with a successful launch and new markets opening its doors to the



L-R: Paul Bennett & Daniel Bennett of Motorstep accept the Company of the Year Award

company, we spoke once more with Daniel Bennett about how the company feel about receiving our award; he told us that, "great! We feel very honoured. As a small company, we haven't yet received much industry feedback so to be recognised for our achievements as a small family run business is just amazing."

With many new markets beginning to be explored, Motorstep endeavours to branch into further markets and raise its market awareness. The company plans to be the number one provider for motorised personal lift platforms and hope to branch into markets such as rail; to help make all travel accessible.

For any more information please see the details featured below.
T 01296 709630
www.motorstep.net

