



# SUSTAINABILITY TODAY

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## Place Informatics

Place Informatics, the leading provider of footfall and location visitor behaviour data monitoring in



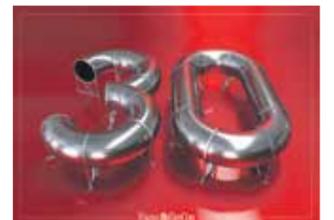
the UK, believes that understanding how green spaces such as country and urban parks, public gardens, nature reserves, forests and footpaths are used by visitors can really assist local councils and help retailers and businesses to manage those areas. These important attractions are often at the heart of communities and if managed well can generate visitor growth and boost local economies. Location data insights show how visitors use green spaces and helps councils manage facilities, measure event performance, quantify park usage, target tree maintenance and determine parking requirements and pricing. Businesses located within country and urban parks can identify peak times of day or the best location within the green space to operate.

This data can also show where visitors have travelled from – the catchment area of local visitors and tourists from further afield and shows how the different types of visitors interact with the amenities within the green space, for example giving an indication of how many park visitors who are attracted to the green space, also tend to visit the town centre businesses in close proximity. Place Informatics helps organisations understand where their visitors come from, where they visit while in the area and how they interact and behave in any location. By using mobile GPS data, Place Informatics is able to provide actionable insights which help support and enable decision making – to assist in health and safety, conservation, events, marketing and return on investment for economic regeneration projects.

For more information on location visitor data and insights, visit: <https://placeinformatics.com/>

## 30th Anniversary

GreCon Limited is celebrating a significant milestone, with 30 years of commitment to the UK & Ireland market.



Established in April 1992, GreCon is located outside of Newcastle upon Tyne and is a member of the Fagus-GreCon Group. With a wealth of experience as a global market leader, GreCon demonstrates a strong understanding of customer needs and provides turnkey solutions for multiple industries.

GreCon's fire prevention technology protects industrial premises, processes and people, detecting and extinguishing ignition sources, making workplaces safer and enabling uninterrupted production. In addition, GreCon's measuring technology solutions help customers improve product quality in their production processes, using proven German engineering to reduce material and energy costs, ultimately maximising operational efficiency.

During these 30 years, the company has developed sustainable relationships with its customers & adopted the role of a strategic partner. Founding GreCon Limited in 1992 enabled a more local connection and enhanced response times. As a result, customers across the UK & Ireland depend on GreCon for consultative and problem-solving sales engagement and first-class customer service. In addition, fast deliveries of parts and systems are possible due to comprehensive local stock-holding and local manufacturing of Water Pressurisation Systems, which provide a dedicated water supply for our fire prevention systems.

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# Low Carbon Agriculture Review – Top Exhibitors

## Supercharging low carbon practices to deliver food & energy security

Low Carbon Agriculture Show took place in person at the NAEC, Stoneleigh, over two days on 8 and 9 March 2022, welcoming thousands of farmers and landowners, and included four key areas of focus: Energy Now Expo, Environmental Business Expo, Low Emission Vehicles Expo and Farm Technology Expo.

The importance of renewable energy and robust food security has increased since the Ukraine war has triggered even sharper rises in energy prices and food supply fears, said speakers at Low Carbon Agriculture Show in Stoneleigh, Warwickshire.

Farming policy should address these concerns, according to Jonathan Scurlock from the National

Farmers' Union (NFU), speaking in the keynote session. "There are three big policy drivers: energy security, climate change and food security."

Speaking in the same session, Minister for farming, fisheries and food at Defra, Victoria Prentis, said that the world has changed over the last few weeks and agriculture has gone even higher up the agenda, stating that schemes at all levels will encourage low carbon practices on farms.

Nina Skorupska, chief executive at the Association for Renewable Energy and Clean Technology (REA), said that renewable energy is key to energy security and farmers sit in this green picture. "If we accelerate UK renewable energy, we could create



over 238,000 jobs in renewable and clean tech by 2030. Flexibility is the key to security."

The next Low Carbon Agriculture show will take place from 7-8 February 2023 at the National Agriculture and Exhibition Centre (NAEC), Stoneleigh, Warwickshire. This is our pick of the best exhibitors from this year's show, listed here in alphabetical order: Agri-King, Caplor Energy, CIEL, The CLA, Environment Bank, Northern Industrial Battery Services Ltd, Off-Road-Electric & Societe Generale Equipment Finance. Further details can be found on this page and the next.

Contact [www.lowcarbonagricultureshow.co.uk](http://www.lowcarbonagricultureshow.co.uk)

## The best off-road electric utility vehicles

Off-Road-Electric supplies a full range of all-electric off-road and utility vehicles including UBCO 2WD work bikes, Eco Charger quad bikes, HiSun UTVs, Farmtrac tractors, electric converted Land Rover Defenders, and SUVs built electric from the ground up.

Off-Road-Electric has recently announced its partnership with Munro Vehicles. The Munro Mark 1 is the main product from Munro Vehicles and is the first British-made full-size electric SUV. Off-Road-Electric is proud to be the sole distributor for Munro Vehicles for the South of the UK. The Munro Mark 1 will be available from early 2023, and customers can place their order now for a chance to own the first British-made all-electric SUV, designed and built



electric in Glasgow from the ground up. Another remarkable product range is the 2x2 UBCO Utility bikes which are 100% electric, zero emission, virtually silent and vibration free. The range includes the

UBCO 2WD Adventure Bike and the UBCO 2WD Work Bike, designed in New Zealand for tough off-road conditions and ideal for nimbly getting around town and country completely noise free.

To complement its vast range of electric vehicles, Off-Road-Electric also has a large range of vehicle attachments and accessories. Designed to turn your off-road electric utility into a versatile and dependable workhorse, from pasture management to equestrian and forest management, the range includes the perfect accessory for any application.

M 07734 530452  
marc.monsarrat@off-road-electric.com  
[www.off-road-electric.com](http://www.off-road-electric.com)

## Caplor Energy

Based on Caplor Farm in the beautiful Wye Valley, Caplor Energy has been delivering renewable energy solutions to businesses, farmers, households and communities since 2007. First installing a range of renewable energy systems on our own farm, we were one of the first renewable energy firms to be established and accredited with the Microgeneration Certification Scheme (MCS).

Since then, we've grown to become one of the UK's top providers, and design, install and maintain systems across the UK.

These include solar PV, solar thermal, battery storage, electric vehicle charging and heat pumps, all with leading manufacturer approvals and accreditations.

Our aim is to support all our customers through knowledgeable, unbiased advice, quality products and reliable service in our quest for a greener, more sustainable economy that will deliver solid investment returns and provide a better environment for our future generations. These aims reflect guiding core values of being inspiring, sustainable, and always looking to improve, helping us build meaningful relationships with our customers as we support and guide them throughout their renewable energy journey.

With a well-established track record and a five-star Trustpilot-certified customer satisfaction score, you can rely on Caplor Energy to understand and meet your



renewable energy needs, whether for your farm, business, or home. Contact our friendly, knowledgeable team today to discuss your options.

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## Agri-King

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Agri-King was founded in 1968 in the states and its European division was set up in 1997 in the UK. Its services spread to farmers across Ireland, England, Scotland, Wales and Northern Ireland, and several European countries with an aim to help farmers achieve their production goals and maintain excellent health and fertility.

The company has its own nutritional team that reviews the latest research and feed technologies to produce the most advanced fortification products on the market. Each diet is balanced using sophisticated lab results to enhance rumen performance, forage utilisation and therefore, health and performance with their key Enzyme program. These are the 'Key to Profit' on livestock units. This service is complimented by its high-quality, unrivalled customer care service that carries out regular farm visits, as this is seen as an essential part of working with the farmer to avoid management issues that can later affect herd performance.

Agri-King feed and forage programmes are individual to each specific farmer and their needs. Agri-King Ltd's team of area managers collect information about your operation during each visit so that diets can be fine-tuned to the feeds, conditions and performance targets of the farm. The company offers nutrition programmes for dairy, beef, poultry, and swine, and all Agri-King rations start from accurate analysis, carried out in its state-of-the-art laboratory in the United States.

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## Current planning permission policy means Noah's Ark would never have been built

With flooding once again striking many parts of Britain, with thousands of homes and businesses at risk following the latest storms, Justin Meredith, MD of Floodline Consulting, believes the current planning permission policy is fundamentally flawed, and is preventing the construction of flood-resistant homes. He comments, "If Noah were trying to build his Ark today, would he get planning approval? The answer is no, and he would also be refused should he wish to appeal."



whether there are alternative sites at less risk of flooding, and it currently excludes the design features of what is proposed. It is only after passing the sequential test that the design is taken into consideration. There is no science to underpin this analysis, which makes the test subjective and almost impossible to pass if contested. Meredith suggests, "Noah would have been refused permission to build his Ark as the planners would have ignored its unique flood-resistant design and would have sought alternative locations on which to build housing."

It can be argued that Noah (Genesis 5:32) was the first to build a flood resilient house due to climate change. Constructed as a land based structure, capable of habitable accommodation and yet able to rise with the predicted flood waters keeping the occupants and building safe at all times.

The Sequential Test flaw: The design or adaptability of a house needs to be taken into account as part of the Sequential Test analysis from the beginning of the planning permission process. It examines

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## SmokeFire wood-fired pellet grill Stealth Edition wins Red Dot Product Design Award

Weber, the global leader in outdoor cooking innovation, technology, and products, announced recently the SmokeFire wood-fired pellet grill Stealth Edition has been awarded a Red Dot in the Red Dot Awards: Product Design 2022. The Red Dot Design Awards, established in 1955, is one of the world's largest design competitions to recognise excellence in Product Design, Communication Design, and Design Concept; receiving over 20,000 annual award submissions from approximately 60 countries worldwide.



Image credit: Baker & Evans

The SmokeFire Stealth Edition, which features a sleek all-black exterior, won a Red Dot in the coveted Product Design category, for its innovative and high-quality design.

The SmokeFire Stealth Edition (available in two models: EPX4 and EPX6) is the best wood pellet

grill for high heat searing and low and slow smoking, delivering exceptionally delicious wood fired flavour.

The SmokeFire Stealth Edition will formally receive this Award during the 2022 Red Dot Design week, which starts June 20th in Essen, Germany. As the recipient of the award, the SmokeFire Stealth Edition will become part of the exclusive collection of award-winning products on display in the Red Dot museum in Zollverein (Essen).

[www.weber.com](http://www.weber.com)

## Assent's journey toward an ESG programme

Assent Inc, a leader in supply chain sustainability management, released its 2021 sustainability report, which summarises the latest achievements of its economic, environmental, and social performance.



The report, titled 'Driving Supply Chain Sustainability', also outlines the steps the company unveiled in 2021 as part of its transition to a formal environmental, social, and governance (ESG) strategy and programme.

In 2021, Assent, one of only a handful of North American software as a service (SaaS)/Cloud native sustainability platform companies that hold 'advanced status' with the United Nations Global Compact, expanded its focus on stakeholder engagement and began a materiality assessment that will form the basis of its corporate sustainability strategy. The company sought the perspectives of an extensive range of stakeholders, including team members, shareholders, customers,

and supply chain partners, and started a materiality assessment to inform its future sustainability commitments and approach.

"In today's market, you can't be a CEO without thinking about ESG as investors now require the same due diligence in sustainability transparency as they do for financial transparency, and customers expect the same," said Andrew Waitman, CEO of Assent.

"This is why we doubled down on our ESG efforts in 2021, both in our internal practices and our product offering. We have refined our focus from supply chain data management to deeper supply chain sustainability, delivering credible sustainable data to help the more than 600 manufacturers we work with see deep into their supply chains so they can build more sustainable businesses."

Learn more and read the Assent 2021 sustainability report at: [www.assent.com/company/sustainability](http://www.assent.com/company/sustainability)

## Low Carbon Agriculture Review – Top Exhibitors

### Northern Industrial Battery Services Ltd

Northern Industrial Battery Services Ltd (NiBS) have many years' experience in the standby power industry. NiBS offer a variety of products and services to meet the needs of users requiring energy storage solutions. This includes applications for renewables, hybrid deployment for grid stabilisation, grid and power quality for peak shaving or back up power for own consumption.

These energy storage systems provided by NiBS are fully equipped systems including lead acid or lithium batteries, which are developed specifically for applications where high energy through put and cycling is required. Battery Monitoring Systems are used for optimised charging and control to maximise the cycle life of the batteries and ensure optimal performance of the system. The climate

control and ventilation system ensure optimal and controlled operating temperatures of the cells even in harsh environmental conditions. NiBS pride themselves on being able to offer the complete life cycle service when providing energy storage solutions, including planning and project management, installation and commissioning, inspection, maintenance, repair,



and decommissioning.

To find out how NiBS can support your energy storage needs, contact us on 01691 830089 or email: [sales@nibsltd.com](mailto:sales@nibsltd.com)

### Farmers, land managers and climate change

The CLA (Country Land and Business Association) represents farmers, landowners and rural businesses across England and Wales and our members have a crucial role to play in meeting our national net zero emissions targets. The CLA recently attended the Low Carbon Agriculture Show held at the National Agriculture Centre at Stoneleigh. It was a compact but impressive show covering all the main aspects of net zero thinking – farm technology, renewable energy, low carbon farming, and low emission vehicles – so there was something for everyone. CLA Vice President Gavin Lane presented his views on low carbon farming and chaired two sessions on carbon farming and reducing on-farm emissions.

Many rural businesses are considering their response to the challenges of net zero. The drivers for change are varied – it might be to reduce cost and risks in a volatile market, it might be in response to supply chain requirements, it might be to investigate new market opportunities for carbon sequestration, or it might simply be about being a responsible citizen.

The solutions are equally varied and will depend on the individual circumstances. The CLA Rural Business Conference in December 2021, and its accompanying report, focused on net zero in the rural economy. For rural businesses it is not just about farming in the most carbon efficient way, there are opportunities for renewable energy, using resources more efficiently and carbon sequestration, but also challenges when it comes to electric grid network capacity, and planning and decarbonising heating in rural housing.

To find out how CLA membership can help you, please contact the Membership Team on 020 7460 7969 or email [clamembership@cla.org.uk](mailto:clamembership@cla.org.uk)



### Societe Generale Equipment Finance

Building a sustainable future together with our agricultural clients and partners, through innovative and effective finance solutions, is a key focus for Societe Generale Equipment Finance (SGEF). Our aim is to provide a pathway to sustainable farming by assisting agricultural businesses with the funding for clean and renewable energy technologies.

SGEF is a specialist agricultural funder who understands customers' needs through years of experience and support the agricultural industry in delivering flexible financial solutions, including refinance, to meet clean and

renewable energy needs.

Our financial solutions offer the repayment structures and terms that best suit agricultural business needs and the finance can be tailored to match the payment structure to a customer's income and if required apportion stage payments to manufacturers and suppliers throughout the installation and commissioning stage. Products offered include Hire Purchase, Finance Lease, Operating Lease and Business Loan. We finance any make or brand, new or used. Renewables assets we finance include: wind turbines, solar panels, battery storage, bio mass boilers,



heat pumps, LED lighting, micro anaerobic, digester (AD)

SGEF can support farmers to obtain cash flow funding for all their agricultural purchases and will work with you to make the process as simple as possible

**Contact: Steven Davies, Head of Agriculture**  
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### Rapid change needed to meet net zero targets for livestock

The latest industry report published by CIEL, the UK's Agri-Tech Centre tasked with driving innovation in the livestock sector, has identified that greenhouse gas emissions could be reduced from the main livestock types by 23% and ammonia emissions by 15% if widescale and highly effective mitigations are adopted across UK farms. The report however also reaffirms that substantial change is required if the UK's livestock industry is to achieve its net zero target for 2050.



How farmers can reduce emissions' is believed to be the first of its kind to model and collate data at this

scale. It covers a range of mitigating scenarios in real life case studies across dairy, beef, sheep, pig and poultry farms. It looks at a wide range of mitigation options that can help reduce emissions at farm level. The report aims to provide farmers, advisers, supply chain partners and policymakers with the information needed to support evidence-based decision making when it comes to farming in a net zero world.

Download a free copy of the report at: [www.cielivestock.co.uk](http://www.cielivestock.co.uk) or contact: [enquiries@cielivestock.co.uk](mailto:enquiries@cielivestock.co.uk)

### BNG: How Environment Bank is creating a new plan for our planet



Environment Bank is actively establishing Habitat Banks across England in response to biodiversity net gain (BNG for short) being mandated in law via The Environment Act 2021. This means we are leasing land throughout England, creating biodiverse habitats that help restore nature. We then sell the 'biodiverse credits' created, back to developers. The plan we've created is for everyone. A pioneering system that allows the commercial world and the natural world to work as one. We designed it to be mutually beneficial, supporting and sustaining all of its connected parts.

We're establishing Habitat Banks to ensure organisations have access to BNG Credits whenever and wherever they need them – and because we are forward funded, our product delivers financial security to all stakeholders. For landowners, it means a guaranteed income for establishing and maintaining Habitat Banks. For developers and planning authorities, it provides a cost-effective and risk-free way to meet BNG requirements and unlock sustainable development.

As our Chairman, Professor David Hill, CBE, said, "I pioneered the idea of Biodiversity Net Gain (BNG) back in 2007 – the concept of leaving the natural environment in a better state than before a development or infrastructure project was built – and myself and my colleagues have dedicated our careers to reversing this decline in nature."

Together, we're safeguarding the future of our planet for people and nature.

[www.environmentbank.com](http://www.environmentbank.com)

## Pump Manufacturer & Supplier Company of the Month

# March May Ltd launches two new products capitalising on its recent growth

In this issue of Sustainability Today, we are pleased to announce March May Ltd as our Pump Manufacturer & Supplier Company of the Month.

March May Ltd is a UK based pump manufacturer and supplier of high-performance pumps that are globally recognised for their quality and reliability. March May Ltd manufacture under an ISO 9001 quality management system and are specialists in the design of seal-less magnetic drive pumps.

Currently based in St Neots, Cambridgeshire, March May Ltd was officially established in 1971 to be an original distributor for March Manufacturing Inc. of the USA, to supply magnetic drive pumps into photo processing machines. Today, its main role is the supply of pumps into the UK, European and world markets for use across a variety of industries that include, but are not limited, to chemical processing, CIP system, laboratories, medical, marine, solar and OEM.

"We specialise in magnetic drive pumps for



hazardous liquids or where seal-less technology is required. Some major benefits to our service are that we possess the capabilities to manufacture a vast range of our portfolio here in the UK allowing for a quick turnaround from initial enquiry to delivery. Our portfolio covers a large range of pump technologies allowing us to act as a 'one-stop-shop' for our customers. Furthermore, where we act as a distributor for some of the leading global pump manufacturers, we hold high levels of stock allowing us to service the market quickly mitigating long lead times," stated Dominic Nott, R&D Director. The company is a proud member of the Made in Britain association, having several pump ranges designed and manufactured locally.

A recent addition to its portfolio is the Air Operated Diaphragm Pumps. Dominic commented, "These cover standard polymer and metallic ranges, but we can also provide specialised units such as powder, high pressure, and sanitary pumps."

Recently launched at CHEM UK 2021 was its newly designed and manufactured in Britain, Portable Pumping Unit (PPU). The unit combines their standard mag drive pump with a carrier and control panel to allow ease of



use by the customer. The unit can be customised to any specific customer requirement with added extras, and because of its sturdy frame made from Polypropylene plastic, the portability of the pump set offers flexibility to the user and their pumping needs. The standard specification is based on their premium pump range – the TE

Series using pump models TE-7 and TE-10 and will be primarily intended for the safe and easy loading or unloading of dangerous chemicals from IBC containers. Other features include a Polypropylene drip tray, manual start/stop functions, a mobile App using Wi-Fi allowing remote control of the pump, quick release cam-lock male couplings fitted in the pump ports, and a 5m electrical power supply cable fitted with a heavy duty 3 pin single phase plug or 3 phase industrial power connector plug.

March May Ltd's years of experience in the industry has made them leaders in their field of expertise. Heavily investing in the research and development of its pumps, each product is constructed from an innovative modular design with extensive 3D Solidworks and CAD/CAM technology from its fully equipped workshop. Dominic explained some recent



changes within the company. "We have seen a significant growth across all our industries. The addition of new products to our portfolio has seen our coverage of pump technology increase. Due to increased demand, we have recently invested heavily in new injection moulding machines helping to increase our production capacity."

In the future March May Ltd will continue increasing its market share across the UK and Europe, while looking for ways to better serve its customers with the possible option to create an active distribution network across Europe and beyond in the pipeline. The future looks bright as currently the business is in a better position now than it was pre COVID-19 due to significant growth and the dynamic business strategies that were put in place.

For more information, see below.

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## Plastic Packaging Solutions Company of the Month

# Rethinking plastic



Bale wrap based on post consumer recycled material (PCR)

In this issue of Sustainability Today, we are pleased to announce Trioworld as our Plastic Packaging Solutions Company of the Month.

Established in 1965 by Vilhelm Larsson, the company was formally known as Trioplast AB and changed its name to Trioworld in 2021. For more than 50 years Trioworld has been a leader in plastic packaging solutions and is comprised of 16 companies with over 1,500 employees with operating production facilities in Sweden, Denmark, the Netherlands, the UK and France. Based in Smålandsstenar, Sweden, its products are sold around the world with the aim to deliver solutions to make transport and food safer, agriculture smarter, packaging more efficient,



Trioloop machine stretch film



Trioworld Packaging and Safety Centre

and provide optimal protection in healthcare.

Trioworld believe plastic can make the world safer and healthier for everybody. As a company it is committed to making plastic part of a sustainable society and pushing the boundaries of what is possible with the development of circular plastics, which perform a full loop from collection to conversion. Trioworld produce plastic products for its five main divisions which are stretch film, industrial film, health care film, carrier bags, and consumer packaging and are the leaders in the use of recycled plastics.

Taking full responsibility to ensure the business aligns closely with sustainable business practices, Trioworld is leaps ahead of any competition, marking itself a true leader within the industry to promote a circular economy. Its portfolio already consists of



multiple Loop (recycled material) and Lean (less material usage) and the company have set themselves clear goals for the development of recycled products. At the same time, it offers an unrivalled service to its customers, whether on the field of the farmer or via its in-house Packaging & Safety Centre. It is vital for them to understand their customers' business and profitability and help them in their day-to-day work.

In exciting news, Trioworld is soon to launch a new Premium Performance stretch film with 30% PCR content. This product is truly unique as it has the same properties as a virgin-based stretch film. The customer can contribute to their sustainable goals and at the same time maintain their level of load security. Committed to finding new ways to increase efficiency in the field of agriculture, Trioworld has a very close cooperation with entrepreneurs and farmers. Trioworld also offers a large range of products for the agriculture industry with recycled content (PCR) for both silage stretch and silage film.

Trioworld's multifaceted capabilities allows the company to serve a diverse range of industries from its agri stretch film products which are sold to farmers via cooperatives and distribution

partners, to its stretch film products which are sold to end customers in various segments, as well as distribution partners, its refuse bags that are sold to various retailers, and its consumer packaging solutions that are sold to many different companies in food production.



In recent news, Trioworld Group has signed an agreement to acquire the British company Eurofilms Extrusion LTD (Eurofilms), a leading player in solutions for high performance stretch film for load security. This transition will allow both companies to join forces in developing the best circular offering in the market for recycled plastics. The Eurofilms superior commitment to service and support in the UK and West European markets will give Trioworld a fantastic platform for enhanced growth.

Trioworld have recently started taking webinars which they invite you to attend. You can read more about the webinars on the company's LinkedIn profile.

www.trioworld.com  
LinkedIn @Trioworld



Waste Wrap based on PCR

# You choose the OEM, Contract Plant Rental will do the rest

In this issue of Sustainability Today, we are pleased to announce Contract Plant Rental as our Contract Plant Rental Company of the Month.

Contract Plant Rental is one of the most specialised businesses operating within the UK's fully integrated plant solutions and self-drive rental industries. Offering specialist hire for the waste management and scrap metal recycling sectors, we spoke to Mark Kennedy, Managing Director, who explained a little more about what the company does. "We provide fully tailored and bespoke plant rental solutions specifically designed to meet the needs and requirements of our clients nationwide. Specialising in mid to long term rental solutions but also offering short term hire, as well as contract hire and rent to buy solutions. The machines we supply are specified to the customers' needs and not just standard. Contract Plant Rental provide full 24/7 support and back up for all clients nationwide to keep their businesses operating as efficiently as possible. We operate predominantly within the heavy side of the plant machinery industry including scrap recycling and waste management, construction, quarrying, and mining."

Established in 2016, Contract Plant Rental is officially part of the Ballyvesey Holdings Group whose main activities revolve around transport and logistics, truck sales and aftersales support, trailer manufacturing and spare parts sales, transport industry services, construction equipment sales and hire, and property rental and development. Headquartered in Wellingborough, Northamptonshire alongside its holding depot, Contract Plant Rental's services are spread nationwide. Using its global network to deliver the best of the firm to all clients, the company brings an innovation in management practice that ensures all clients resources are cost-effective whilst positively improving on their performance.

Contract Plant Rental can provide contract plant hire for virtually any machines, including equipment and attachments, from excavators to material handlers. Equipment Contract Hire allows you to have all the benefits of having new equipment over an agreed period of time and mileage. This gives you cost-effective access to new equipment and none of those large drops in value normally associated with owning a new vehicle outright. Each machine is fully specified and built to client's requirements rather than coming as standard 'off the shelf' and this includes any extras to ensure maximum productivity for the client's business.



"Contract Plant Rental provide total peace of mind for customers. Companies enjoy the benefits of contract hire without the headaches of ownership. The benefits of hiring from Contract Plant Rental are that we can offer new machinery from the industry's leading brands with no upfront costs, no deposit, and no VAT. We have a 24/7 parts, service and repairs back up, as well as payment plans with fixed monthly costs for easy budgeting, flexible terms, and the option to buy or return the machine at the end of the term. Furthermore, we also offer short to mid-term hire to cater for the wider industry," stated Mark. Another benefit of contract hire is that the company handles all administration of the equipment throughout the contract, including servicing and maintenance, which eliminates the need for businesses to spend valuable resources on doing this in-house.

Contract Plant Rental has deep access across a range of industries, working with various businesses of all sectors. "Traditionally people used to want to buy machinery but nowadays we're seeing a huge increase in popularity of long term and contract hiring. Clients are



wanting to run top of the range machinery with a reliable back up and service without the headaches of ownership and no big depreciation costs. A big part of our business is working with companies or large contracts such as quarry and motorway contracts who need reliable machinery for a longer term," explained Mark.

There are many advantages of working with electric plant machinery rather than some diesel alternatives, and alongside electric vehicles, electric machinery is now also becoming the norm. So far in 2022, the company has injected increased investment into its portfolio adding further value to its electric machinery range. "We've invested heavily into our material handler fleet to even better serve the scrap and waste industries. We've also increased our fleet of access machines, forklifts, wheel loaders and electric machines," said Mark. Providing a range of electric machine solutions from forklifts, telehandlers, and material handlers, Contract Plant Rental is the UK's biggest hirer of material handling machines and currently offers the largest electric range.

Waste Material Handlers are purpose-built for the waste, recycling and scrap metal industries to perform effective, high-volume material handling duties. Built with the operator in mind, some features include a comfortable cab with panoramic windows for increased visibility



and an option to be hydraulically raised for heightened elevation. Contract Plant Rental own a vast range of material handlers that can be specifically modified to meet each client's requirements.

On a mission to become the best service company in the world, we asked Mark what the company had planned for the future, he answered. "We plan to continue our investment into electric machines as the industry requirements change. We're well placed to be able to offer the best and most efficient machines to various sides of the industry. We plan to continue growing our dedicated access and attachments divisions as customer feedback and industry demand requires. As of late, we've seen an increased number of local authorities and water specialist/governing bodies discover our concept and people have really come round to how it could benefit them and their business. The concept we've worked hard to perfect is really catching on, particularly as there's a shift in people wanting to own machines. The concept works for them – benefits of ownership, but with no large outlays, all built into one contract. Our concept is very simple but hugely cost-effective for the end user. Quite frankly, we replace machines if they go down, and we do it to perfection."

T 01933 232663  
www.contractplantrental.com



## Water Engineering Solutions Company of the Month

# Sustainable water treatment solutions

In this issue of Sustainability Today, we have selected Eliquo Hydrok Ltd as our Water Engineering Solutions Company of the Month.

Hydrok was originally founded in 1996 but became Eliquo Hydrok Ltd and a member of the Eliquo Water Group in 2016, through the acquisition of Hydrok UK Ltd by Eliquo Water Group GmbH.

Eliquo Water Group is part of Skion Water, a technology and solution provider, in both municipal and industrial water and wastewater technology. Eliquo Hydrok's head office and main manufacturing base is located in Indian Queens in Cornwall, with additional satellite service and installation depots around the UK.

Eliquo Hydrok is the exclusive UK distributor for a number of leading European technologies designed to generate energy efficiencies, reduce capital and operating costs and offer environmentally responsible solutions within the Water Industry.

The company is committed to delivering environmentally considerate and practical solutions, allowing water companies to treat surface water, wastewater and drinking water for



the public. Its key products and services include: screening, flow control, flushing systems, water and wastewater treatment, sludge treatment and hire, parts and service.

In March 2021 the UK Government stated that measures to reduce sewage discharges from storm overflows will be put into law, Eliquo Hydrok remains committed to assisting its customers, by providing innovative products and solutions, to enable them to meet this requirement. Eliquo Hydrok is renowned as experts in Stormwater treatment, having developed the technology and service offering to help eliminate environmental harm from CSO spills.

Lewis O'Brien, Managing Director and CEO, explains, "Eliquo Hydrok has brought together its group capabilities to create an efficient suite of stormwater technologies. Effectively assembling a toolbox to tackle CSOs, and marrying experience in sewer screening, with expertise in wastewater treatment. This is all while leveraging best-in-world technologies from across the sister companies in the Skion Water Group."

Eliquo Hydrok maintains extensive experience and an industry leading reputation, with a proven



track record of working with all the major Water Utility companies throughout the UK, Ireland and Northern Ireland.

"We provide Water Engineering Solutions to all manner of complex and simple problems. Our experienced in-house design teams are able to help identify and discuss the requirement, recommending standard products or producing bespoke designs," Lewis adds.

Eliquo Hydrok has experienced rapid growth over the past couple of years. From new team members



to expanding into a new unit and a new van fleet (plus EV cars).

Lewis also told us that, "Work continued during the pandemic, as the water industry remained a key industry. However, we were able to pivot, like most companies, with our office staff working from home. This new way of working has allowed us to create a hybrid approach going forward, with office staff still working from home two days a week. This in turn, has helped to reduce our carbon footprint (with less commuting miles)."

Looking to the future, Eliquo Hydrok has a detailed strategy and plan, stretching out through AMP8 and beyond.

Its plans consist of many high priority topics, including Net Zero Carbon targets, microplastics, priority substances and eliminating environmental harm from CSO spills. Eliquo Hydrok plans to continue to provide products and solutions to meet these important needs. As well as delivering change in how it plans order intake and manufacturing capacity.

"We're looking at Product Slot Reservation and Advance Batch Procurement mechanisms, in order to better plan and deliver, and avoid the traditional 'famine and feast' cycle seen by many supply chains in this sector. This is allowing us to deliver better value, better resilience and better risk profile to our customers."

For more information, please see below.

T +44 (0)1726 862000  
www.eliquohydrok.co.uk

## Atmospheric Gas Detection Company of the Month

# Gasmet showcases new portable atmospheric FTIR gas analyser



In this issue of Sustainability Today, we are pleased to announce Gasmet as our Atmospheric Gas Detection Company of the Month.

Gasmet was established in 1990 and as demands for emissions monitoring equipment grew, Gasmet developed the first Gasmet FTIR analyser in 1993, the world's first in-situ FTIR gas analyser in 2004, and the world's first portable ambient FTIR analyser in 2008. In 2016, Gasmet acquired its then UK distributor Quantitech Limited, that has now rebranded as Gasmet UK and based in Naseby, Northants.

"Overall we design and manufacture world-class gas analysis systems and emission monitoring solutions to measure gaseous emissions from industrial processes, gases released from natural sources into the atmosphere, and gases present in working environments. In the UK we mainly deal with sales, service, customer support and undertaking of local marketing. Our underlying core values are to support our customers and ensure we are their 'first choice'," stated Dr

Andrew Dixon, Sales Manager.

As leaders in atmospheric gas detection, Gasmet UK work across three core business areas. Andrew explained further, "Firstly, we are heavily involved with Continuous Emissions Monitoring which is monitoring of gases emitted from industrial chimney stacks for example in incineration plants. Secondly, Environmental, where we predominantly monitor greenhouse gases such as carbon dioxide and methane from farmland, animal stocks, and general environments much of this work is with educational institutions and universities. Thirdly, Health and Safety, which includes all aspects of occupational hygiene across many markets in particular we are measuring and monitoring the exposure to toxic gases. We also work with the MOD to measure air quality for safety personnel and have the capabilities to measure toxic gases and chemical warfare agents."

The company's multi-faceted business model allows its services to reach a wide range of



industries. Gasmet UK prides itself in the quality of its customer support, "When a customer buys a product from us, they are typically buying into a partnership that is likely to last 10 years: the minimum lifetime of our products. Gasmet UK can guide prospective clients through the technical aspects of a solution to an application problem, advise on legislative matters, and support them throughout the lifetime of the product/project," said Andrew.

Gasmet has successfully released a new portable atmospheric FTIR gas analyser: the GT5000. Marked as the most powerful portable solution for measuring the concentration of both hazardous and non-hazardous gases inside enclosed spaces such as shipping containers, its ability to measure a large number of gases in just a few seconds provides unparalleled cost-efficiency. Offering quick and reliable results, it is battery powered and can be carried around on the back while analysing. The user can select the gaseous components that are required to be monitored, and the software automatically analyses the concentrations of these gases. The software comes in two versions, Calcmet Easy for accessible onsite work and Calcmet Expert for further analysis with advanced tools.

The GT5000 Terra can also be used to analyse greenhouse gas flux measurements, including the measurement of gases N<sub>2</sub>O, CH<sub>4</sub>, CO<sub>2</sub>, H<sub>2</sub>O, CO and NH<sub>3</sub> in a matter of seconds. Gasmet's solution to GHG flux measurements is based on FTIR technology. FTIR works by scanning and analysing the entire infrared spectrum in order to measure all the infrared absorbing gases in the sample simultaneously. Most molecules have a characteristic absorption spectrum that can be



used to identify gases and accurately measure their concentration. The Greenhouse gas analyser is also operated with the versatile Calcmet software that offers online viewing of results and powerful tools for subsequent analysis of past measurements. This analyser is ideal for use in forest soils, wetlands, agricultural fields, hydropower reservoirs, GHG emissions from ruminants, geothermal sources and energy plants, and just some of the GT5000 Terra features include wireless connectivity, water-resistant to IP54 rating, intuitive and easy to use software, & comes with an internal battery and sample pump.

For more information, see below.

T 01908 227722  
contact.uk@gasmet.com  
www.gasmet.com



## Panasonic's new Aquarea Hybrid Eco+ Heat Pump



Panasonic Heating & Cooling Solutions has launched the Aquarea Hybrid Eco+ Heat Pump, an innovative hybrid system that can be connected seamlessly to any traditional fossil fuelled boiler system, to help existing UK housing stock reduce carbon emissions by up to 80%.

The Aquarea Hybrid Eco+ heat pump from Panasonic is an excellent & reliable solution for reducing carbon emissions, it can assist to gain an increase to your EPC rating, a resourceful and eco-friendly solution.

The heat pump unit extracts its latent heat from the outside air as per the reliable & longstanding Aquarea range of energy efficient heat pumps from Panasonic. To maintain the desired internal temperature, the original boiler system is only activated when it is more economical than the heat pump in colder weather or producing domestic hot water.

Furthermore, all the main components of the Aquarea Hybrid Eco+ units are within the outside unit itself. The system has been thoroughly tested and has been proven to provide one of the lowest sound ratings on the market but with one of the highest energy efficiency heat pump systems and running cost savings can be achieved and thus increase the all-important properties EPC rating.

The Aquarea Hybrid Eco+ unit uses plug and play technology and is equipped with an expansion vessel, an 'A' rated circulating pump, extensive controls, a dirt filter and more, making it simple to install and connect to any existing property.

In the future, when the gas boiler may no longer be required or at the end of its life, making the switch to a full low carbon Aquarea air source heat pump system will be an easy decision and simple upgrade.

[www.aircon.panasonic.eu/GB\\_en](http://www.aircon.panasonic.eu/GB_en)

## TRIGO applies machine learning

TRIGO Group, the world's leading firm in quality and inspection services within the transportation and industrial sectors, has taken a major step forward in making production



more efficient by acquiring SCORTEX, a Paris-based deep tech startup applying machine learning to the field of automated quality control.

Across industry and manufacturing, up to 25% of products coming out of a production line are discarded. Such inspection is usually carried out on the production line by a human operator, introducing the element of human error and even subjectivity where valid units may be rejected. SCORTEX introduces an AI-based platform, integrating proprietary hardware & software, for quality control stations on production lines. Thanks to the data acquired for quality control, SCORTEX's algorithms can also learn and detect trends in defects within a production flow. This leads to less shutdowns, less waste generated and more efficient production.

By acquiring SCORTEX, TRIGO consolidates its position as a new leader in AI-based inspection and supply chain activities and intends to double the dedicated team by the end of 2022. The company also aims to accelerate diversification into the aerospace and defense sectors and continues to innovate technologically.

Find out more about TRIGO Group at: [www.trigo-group.com](http://www.trigo-group.com) and about SCORTEX at: [www.scortex.io](http://www.scortex.io)

## Acoem UK

Acoem UK's core purpose is to help our customers find the right balance between progress and preservation – protecting businesses and assets, and maximising opportunities while respecting the planet's resources. Human activity does not have to get in the way of protecting the environment, nor do sustainable practices have to get in the way of human activity. We offer products and services that prevent and control air, noise and vibration pollution, increase the productivity and reliability of industrial machinery & contribute to

the development of effective, robust & noiseless products.

According to the UN, net zero means we are not adding new emissions to the atmosphere. Emissions will continue but will be balanced by absorbing an equivalent amount from the atmosphere.

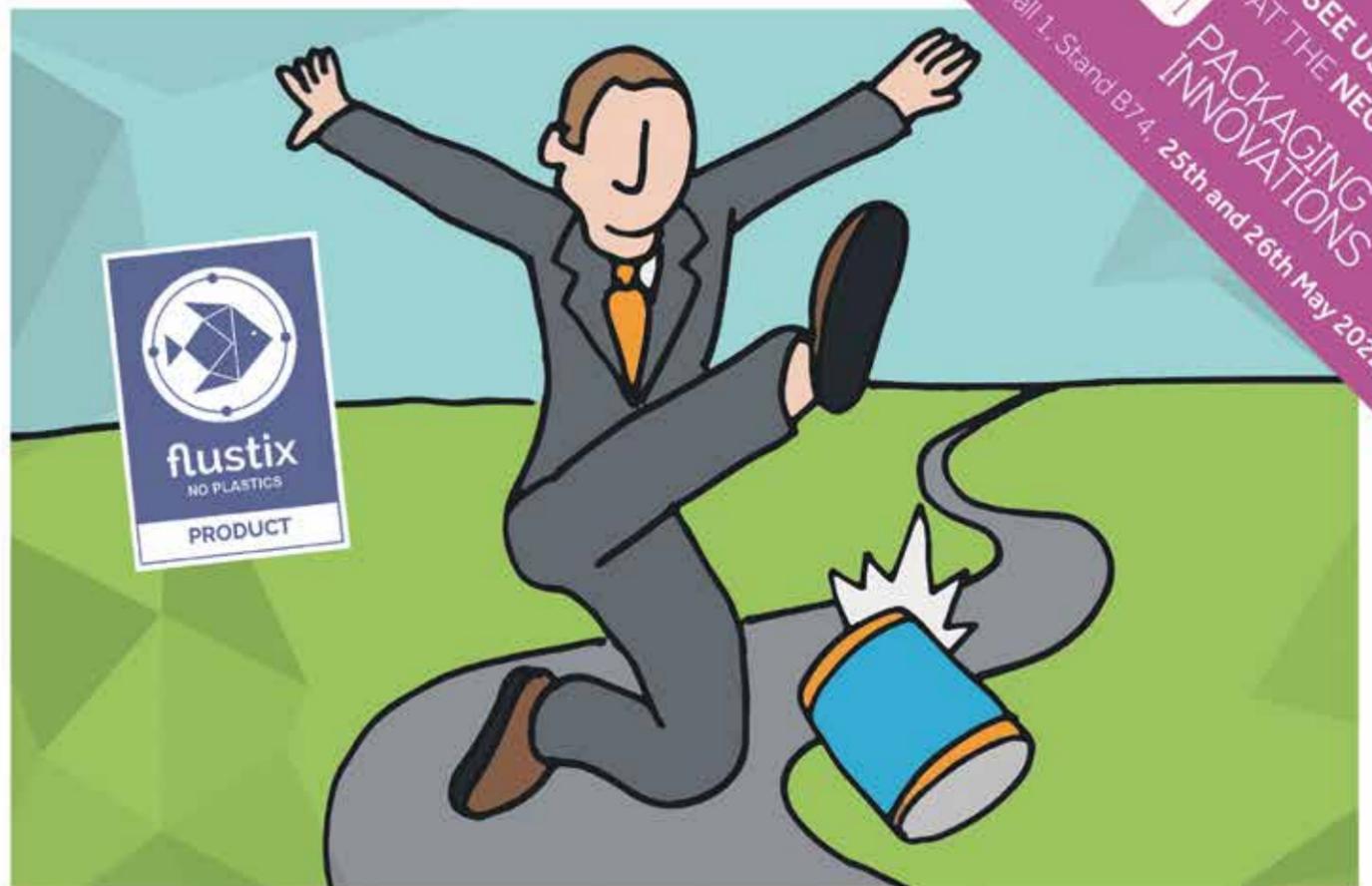
We signed the Pledge to Net Zero which means that we will set and commit to a science based carbon reduction target, publicly reporting our emissions



and progress against this target. The challenge is real and our hope is that by documenting our journey, we can help other businesses to begin.

Contact  
T 01684 857530  
[enquire.airmonitors@acoem.com](mailto:enquire.airmonitors@acoem.com)  
[www.acoem.co.uk](http://www.acoem.co.uk)

## Print & Packaging



## STOP Kicking the Can!

When are you planning to reduce the plastic content in your packaging?

- Can it be verified as 100% plastic free - including micro plastics?
- Can it be completely and universally recycled?
- Can it completely bio-degrade?
- Can it compost completely - either at home or industrially?
- Can it still sell and deliver your products and be convenient?
- Can it be now - instead of 2024, 2025 or 2026?

### Delipac can

The time is now. Delipac - the sustainable, food safe and plastic free packaging solution. Available now.

[www.denmaur.com/delipac](http://www.denmaur.com/delipac)



## Carbon & Energy Reporting Legislation: A chance to make real business efficiency improvements



Author: Susanna Jackson, Sustainability Consultant  
– Comply Direct Ltd

The Energy Savings Opportunity Scheme (ESOS) and Streamlined Energy & Carbon Reporting (SECR) regulations are mandatory requirements of large UK businesses but are far more valuable than a tick box exercise. ESOS & SECR present a real opportunity for businesses to improve energy and fuel efficiency, reduce carbon emissions and subsequently, reap financial benefits.

ESOS runs in phases of 4 years, and we are currently in phase 3; obligated companies must undertake energy audits and report back to the Environment Agency by the compliance deadline of each phase. On the other hand, SECR obligates affected companies to annually report on their energy consumption and associated greenhouse gas emissions within their financial reporting for Companies House.

### Check if your business is obligated for ESOS and/or SECR

The thresholds are different for ESOS and SECR, but many companies are obligated under both...

#### ESOS

ESOS is a mandatory energy assessment scheme for large organisations in the UK that meet ONE of the below qualification criteria on the qualification date\*:

- ▼ employs 250 or more people, OR
- ▼ has an annual turnover in excess of £44,000,000, and an annual balance sheet total in excess of £38,000,000, OR
- ▼ an overseas company with a UK registered establishment which has 250 or more UK employees (paying income tax in the UK)



\*The qualification date for phase 3 is 31 December 2022; the deadline for compliance is 5 December 2023.

#### SECR

SECR applies to all quoted companies, large limited liability partnerships and large UK incorporated unquoted companies\*. Limited liability partnerships and UK incorporated unquoted companies are considered to be large and must comply with the legislation if they meet two or more of the qualification criteria below:

- ▼ 250 or more employees
- ▼ Turnover in excess of £36 million
- ▼ Balance sheet in excess of £18 million



\*Organisations using less than 40,000 kWh per annum will not be required to report

### Benefits of ESOS and SECR for businesses

Both processes to achieve compliance can help businesses achieve energy and cost savings.

The energy audit route to ESOS compliance involves calculating a business' total energy consumption for a 12 month period identifying the most significant areas, and at least 90% of the total energy consumption will be subject to ESOS compliant energy audits. The audits feed into a report of tailored recommendations setting out costed energy, fuel saving opportunities and good practice which would assist the company to make financial savings.

For example, savings demonstrated for some of Comply Direct's ESOS customers (against total energy and fuel costs) include; Beiersdorf (14.2%), Regatta (20%), Vivid Imaginations (20.6%), and Sysmex (62.7%).

Similarly, the SECR compliance process quantifies a company's energy use and emissions in line with the Greenhouse Gas Protocol standard and requires energy efficiency actions to be identified for making savings, as well as disclosing a comparison to the previous years' figures. Therefore, as with ESOS, SECR is also a golden opportunity to make energy

reductions, save the business money, improve overall environmental impact, and also acts as an environmental KPI tracking system year on year.

### Want to make energy reductions and save costs for your business?

If you need support ensuring ESOS and/or SECR compliance for your business, or just want to identify opportunities for reducing carbon emissions and improving environmental impact,

Comply Direct provide a fully managed service delivered by a team of environmental and carbon experts. They have a proven track record of producing consistent compliant reports for their customers since both the ESOS and SECR legislations came into force.

Contact Comply Direct's team for more information, who will be able to fulfil these requirements to the utmost quality.

T 01756 794951  
carbon@complydirect.com  
www.complydirect.com



For more insights about ESOS, join Comply Direct's free ESOS Phase 3 webinar; choose from 22 June at 2pm or 6 September at 10am. Visit [www.complydirect.com](http://www.complydirect.com) to register your place.

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**Textile re-use**

Textile re-use helps save the environment by reducing waste at landfills and offers people across the world with affordable apparel. Textiles make up about 3% of household waste, and more than 1 million tonnes of textiles are sent to landfill each year, according to estimates.

**Textile Collection**

We provide a professional and efficient service through collaborating with local authorities, government agencies, and private businesses. Collected textiles are meticulously sorted, then graded for further re-use and supplied, depending on quality, to end users. We strive for the highest quality reusable products and apparel that can be re-used rather than disposed of in landfills since we focus on re-use.

**Home Collection**

Refuse, reduce, re-use, recycle!!! We may arrange one-time or recurring collections, and our service is swift, attentive, and polite. This service is offered to individual members of the public, who have no time to go to the recycling centre or simply want to find a better use for things they have. We can help!

## RSG helps Hanson Asphalt achieve better sustainability

RSG Structures was recently commissioned by Hanson Aggregates to design, supply and construct walls for new RAP (Reclaimed Asphalt Pavement) de-watering bays at its Tytherington depot.

The RAP material needs heating to allow it to be re-used and if the moisture content is high this will take a lot of heat (and therefore energy) to do.

By dewatering, Hanson is able to take more moisture out which means less heat is required and so less energy is used for the process to take place.

RSG took the initial concept and designed



foundations and walls suitable to take RAP material stored to a height of 2.4m, while allowing a dewatering 'pit' to be formed within the bays below ground.

A number of designs were looked at but the best in terms of cost, ease and speed of construction was an in-situ plinth/foundation with Elite Precast Legato blocks sitting over with a soldier course on the external walls and a spreader block on the division wall.

Retractable roofs then sit on top which can be moved back to allow dump trucks and loading shovels to operate in the bays without the need for high roof structures.

**For advice and quotes on all types of walling and roofing systems, please contact: [info@rsgstructures.co.uk](mailto:info@rsgstructures.co.uk) or call 08452 997597.**

## Keenan Recycling acquires wheelie bin service

The UK's leading food waste collection firm, Keenan Recycling, has announced an acquisition as it gears up for further growth in 2022.



The firm, which earlier this year achieved full coverage of the UK, has purchased the food waste wheelie bin collection arm of JNL Waste Services Limited for an undisclosed value. The acquisition, including new trucks, will strengthen the company's service in the Midlands, Northamptonshire and East Anglia, introducing new customers to Keenan and enhancing its fleet of vehicles.

Jon Lee, JNL Waste Services, said, "I am pleased to confirm that Keenan Recycling has successfully concluded the acquisition of our wheelie bin service. Keenan Recycling has a fantastic reputation in the industry, so we know our customers will be in good hands. The sale will allow us to focus on bulk food waste haulage and the funds from the deal will be used to expand our articulated fleet."

Managing director of Keenan Recycling, Grant Keenan, explained, "Jon and Natalie have built a fantastic company over the years and the wheelie bin arm of their business was a naturally strong fit for Keenan."

Against the backdrop of a global pandemic, on-going Brexit negotiations and HGV driver shortages, Keenan Recycling has invested over £4m in new trucks in the last 12 months, adding six new depots including London, Exeter and Manchester, and more than doubled its headcount.

**T 0800 644 6618**  
[info@keenanrecycling.co.uk](mailto:info@keenanrecycling.co.uk)  
[www.keenanrecycling.co.uk](http://www.keenanrecycling.co.uk)

## World premiere of Next Generation pre-shredder



M&J Recycling uses this year's IFAT in Munich to unveil a pre-shredder that points directly into the future. It is stronger than ever, it uses less energy, and then it is modular, which has great advantages.

The M&J Next Generation pre-shredder draws on the proud traditions of the M&J PreShred 4000S, M&J Recycling's undisputed flagship in pre-shredding. Since its introduction, the M&J PreShred 4000S has enjoyed impressive global sales and thus long since established itself in the absolute top tier of versatile and indestructible quality shredders for the global recycling industry. Of course, the obvious qualities of the 4000S pre-shredder are carried over to the Next Generation M&J pre-shredder.

The M&J Recycling R&D department has now created an updated version that will surely be the talk of town when it shows up at IFAT in Munich on May 30th to June 3rd. Especially the modular design should get a lot of attention because it makes service and maintenance much faster and cheaper. And it will be an electrifying experience. We promise you.

M&J Recycling is waiting to reveal more details about the new pre-shredder for the fair itself, where the name will also be launched.

[www.mjrecycling.com/nextgeneration](http://www.mjrecycling.com/nextgeneration)

We look forward to meeting you in Hall B4, Booth 451/550 - see you there!



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BT34 2EX

028 308 51791

# High speed, high performance with Terex Ecotec's new TBG 530T high speed shredder



With an eye on innovation, leading environmental equipment specialist, Terex Ecotec, continue to expand their world class range of mobile equipment with the launch of the eagerly awaited TBG 530T. A robust track mounted high speed shredder, the TBG 530T is ideal for medium scale producers requiring an accurate and consistent end product.

Powered by a 493HP Scania DC13 engine, the TBG 530T has been expertly designed to give operators unrivalled performance, ease of maintenance and superb fuel efficiency. Extremely versatile, it excels in many applications and is particularly suited to waste wood processing and green waste shredding.

With a rapid set up time the TBG 530T is ready to work in a matter of minutes with no tooling required. The open fronted feeder enables the TBG 530T to be fed quickly and easily from the rear. The intelligently controlled feed system, comprising of heavy duty drag chains and aggressive feed wheel with unique lift/downward assist, ensure optimum material flow resulting in class leading performance.

At the heart of the machine is the 1,100mm diameter x 1,490mm wide swinging hammer rotor. This robust, direct drive rotor rotates at 1,000rpm and incorporates 30 up-swinging hammers. A wide selection of hammer designs and interchangeable screens are available allowing the machine to be configured to suit the ever-changing product requirements. The TBG 530T also benefits from the added protection of a screen kickback system. Should an unshreddable object enter the shredding chamber the screen will release allowing the material to quickly pass through, reducing the risk of accidental damage.

Processed material is removed from the machine via a modular product conveyor with an impressive discharge height of 4.6m. This conveyor also lowers to ground level for inspection and maintenance. An optional overband magnet with hydraulic height adjustment can be fitted to remove ferrous metal from the product.

Whether performing daily checks or carrying out maintenance, the TBG 530T offers unrivalled service access to all key areas of the machine. The electric/hydraulic raise/lower of the screen and interlocked chamber access door allow the rotor and anvil to be inspected with ease. Designed with the operator in mind, the TBG 530T offers the perfect blend of performance, efficiency and serviceability.

To learn more about the New TBG 530T and to locate your nearest dealer, visit: [www.terex.com/ecotec](http://www.terex.com/ecotec)



# Ecogreen Plant Hire: Waterless wheel cleaning system

Good old British weather – we get plenty of rain and mud is a tricky problem. You're required by law to take measures to prevent mud from leaving site and making a mess on the roads.

Road sweepers? They can be expensive, can create emissions, can cause traffic chaos and sometimes just smear the mess around.

Wheel washes can make more mud, waste water, contaminate water courses, freeze in winter, dry out in summer, and break down. They can also create extra cost for extra hires such as bowsers, lances, pumps, generators. Then there's the cost of diesel...

'Rumble strips' typically present such a surface area



that much of the mud they displace sits on the bars and re-contaminates following wheels – until they bury themselves.

Ecogreen Plant Hire's DriveOn V-Tech is a dry, raised ramp system with 60% less surface area than a normal rumble strip, so there's more vibration, more tyre flex and much more mud is removed, falling into the void below. It can't freeze up or break down, doesn't present water or fuel bills, needs no supervision, creates no emissions, can reduce road sweeper requirements, thus saving you money.

It will also help you reach your environmental targets and keep the law your neighbours and customers happy.

Contact  
T 0800 130 3437  
info@ecogreenplanthire.co.uk  
www.ecogreenplanthire.co.uk




# TBG 530T HIGH SPEED SHREDDER



## High Speed, High Performance



30 Swinging Hammers  
1000 RPM Upturn Rotor



Extra-large screening  
area with kickback for  
unshreddable material



4.6m Discharge  
height at 35°



Intelligent feed system  
and feed wheel lift/  
downward assist



Unrivalled service  
access

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## The Flood Expo 2021

The organisers couldn't be prouder with the result of the long-awaited 2021 edition of the Flood Expo, held at Birmingham's NEC from 22-23 September, and would like to thank those of you who attended and supported the event.



After what has been a challenging 18+ months, the flood management industry also finds itself in an ever-changing environment, from government legislation to new projects and the increasing threat of climate change. The Flood Expo is more vital than ever to transform the way flooding is predicted, prevented, and managed, as well as to connect with industry peers and prospective business connections. The exhibitors,

sponsors, speakers, partners, & of course the attendees at the Flood Expo are vital for the industry's continued development through collaboration, innovation and knowledge sharing – making it the most important 2 days in the calendar for flood management professionals.

New organisers ROAR B2B worked hard to build an event the industry can truly

be proud of. Working in partnership with renowned industry associations such as the Environment Agency, ADA & BDMA, the Flood Expo re-evaluated the needs of the sector, this coupled with feedback from a newly formed advisory board, the Flood Expo provided a platform where the industry can reconnect & celebrate new innovations in flood management.

Flood Expo returns to the NEC Birmingham this year from 14-15 September 2022. This is our pick of the best exhibitors from last year's show, listed here in alphabetical order: Spotcom. Further details can be found here.

[www.thefloodexpo.co.uk](http://www.thefloodexpo.co.uk)

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# Reliable and robust machines for the recycling industry

In this issue of Sustainability Today, we are pleased to announce IQR Systems as our Sustainable Waste Handling Company of the Month.

From its 35 years' extensive experience in recycling, IQR Systems know what is required for sustainable waste production. The IQR Group consists of four businesses that complement each other in the areas of sales, design, manufacturing and repair, and service, to ultimately create advanced systems for energy recovery. Out of its two workshops based in Vänersborg and Älmhult, the company mainly focuses on the manufacture of machines for metal separation, with further capabilities that stretch to the design and build processes for the recycling of waste wood, household waste and other types of industrial waste materials across the UK and Europe.

Originally named Svenska Slipers AB, the company was established in 1979 in Trollhättan, Sweden, by Thomas Karlström. Thomas, a school teacher, had an idea to take care of all worn railway sleepers along the railway and sell these to garden traders and golf courses around Sweden. Finding most of the sleepers were over 30 years old and left destroyed and rotten, he began to see if it was possible to burn the bad sleepers. After extensive research and studies, it turned out that when the sleepers were burnt, no harmful fuels were released into the atmosphere. This was a landmark in the company's history enabling them to supply this material shredded as a biomass fuel.

The company operated this line for many years and Sweden's well-developed district heating network gave them advantages over this time. The hammer mill concept was then created and to this day still remains the company's key product. Today IQR Systems focus on selling equipment to companies in the same situation as them through the experience it has built up over the years.

"IQR are a manufacturer of processed based machinery through its model range, the Flexhammer, which is our hammermill. We can design bespoke systems, or mobile machines with the same hammermills but for processing PVC, wood waste or RDF. Our machines are very successful at processing the material in one pass and are able to cope with the contamination that's in general waste. We work closely with every customer to ensure we really understand their needs," stated Paul Caldwell, Business Development at IQR Systems.

IQR Systems' business is made up of a number of specialist areas but with an aim to develop



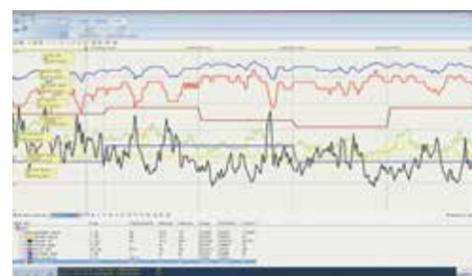
sustainable solutions that help recover energy from waste materials. IQR Systems develops its solutions by offering a full turnkey system, whether it be for crushing, shredding or the build of a CHP-plant with everything interlinked. Its entire business model is proof that environmental work can be profitable.

To complement its vast range of machinery, IQR Systems also offers a service called Scada. This means that IQR Systems and its customers have the capabilities to dial into their machines to retrieve data about such things as the motor performance, if there are weigh scales fitted, the volume of tons per hour being processed, and many more. This service delivers accurate running data on the machines and how they are performing.

At the heart of the IQR System lies the

Flexhammer™ that comes in four models: FH1500 Mobile, FH1800 Mobile, FH1800 Crawler, and FlexHammer Stationary. The FlexHammer™ hammer mill is designed to shred the toughest materials. Ideal for shredding waste materials such as household and industrial waste, wood waste, PVC plastic in windows, doors, and frames of various kinds, railway sleepers with steel plates on in large quantities, demolition timber. The FlexHammer™ hammer mill is used in both IQR's crushing plants and mobile crushing plants and features a horizontal and vertical feed to allow for complete flexibility and versatility.

"Our machines last for such a long time as they are extremely well built. For example, we have two machines that are with Dundee Energy Recycling Ltd (DERL) and have been processing there for over 23 years. From a new delivered machine in March 2022 we have many machines throughout the UK which have processed in some cases over 1 million tonnes of material, the same can be seen in Scandinavia and Europe," mentioned Paul.



The fact that the machines are over engineered for their application, shows the intelligent design, engineering and expertise that go into manufacturing, servicing and delivering them to its customers year on year. "Because we run plants in Sweden, we are able to give customers exact information on the machinery such as costs and specifications because we actually use the machines ourselves. Our original wood processing line that made the biomass feedstock is still running and that plant processes 80,000 tonne of railway sleepers every year, of which 6,000 tonne is the steel that comes off the sleepers. This just shows the integrity of the design of our machines, they are simply designed to be robust and reliable," said Paul.

To support the UK business, Paul is also the Managing Director of Recycling Plant & Machinery Ltd which specialises in the sales and marketing of capital equipment. "We have 25 engineers including electrical engineers, that we can use to back up the IQR plants to which we provide the engineering reports and data to give support to the UK business," stated Paul.

Electrical machinery is fast becoming more popular, and with more people looking to electrical plants, the future looks bright for IQR Systems. Its recent growth and succession within the industry has enabled the company to talk from a position of authority on the processes they have put in place and prove that the technical data of their performance for financial approval can make a big difference to a company's ROI.

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