



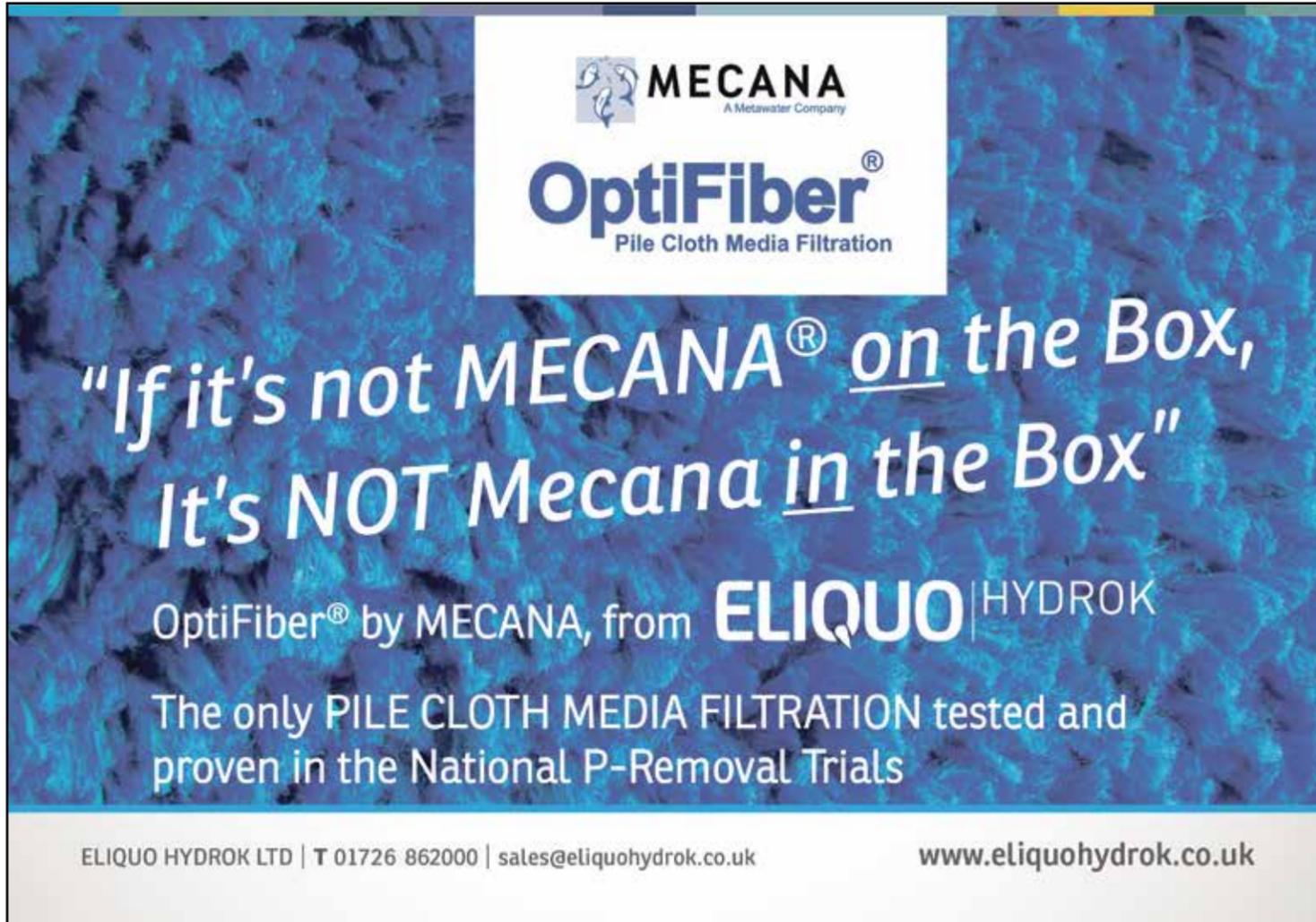
SUSTAINABILITY TODAY

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Dragonfly Biosciences acquires Premium Extraction Services

Dragonfly Biosciences, manufacturers of DragonflyCBD oil has acquired full ownership of Premium Extraction Services



Limited – a large-scale state-of-the-art ethanol extraction facility. This acquisition adds to Dragonfly Bioscience's expanding portfolio and reinforces its trusted and leading position in the CBD market.

Transparency, quality, safety, and the seed-to-shelf strategy are at the very heart of Dragonfly Biosciences, and the full ownership of the ethanol extraction plant adds yet another level to this. The expansion will enable Dragonfly Biosciences to deliver bespoke CBD Distillate and CBD isolate in significant quantities.

The extraction facility allows large-scale delivery of over 1,000kg of CBD per month, in comparison to other extraction facilities which can deliver on average around 50kg per month.

Regan Saveall, Chief Executive at Dragonfly Biosciences, says, "The acquisition of the Premium Extraction Services Company is a significant step forward for Dragonfly Biosciences and importantly our range of CBD products. We are committed to innovation and investment, and already have our own vertical integrated supply chain, which allows us to provide high-quality CBD products, all of which are compliant with all regulatory status."

www.dragonflycbd.com



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iLOQ in the UK

Brexit and COVID haven't stopped iLOQ bringing battery-free digital and mobile locking to the UK market



Digital locking company – iLOQ – has started 2021 with a bang by extending its operations into the UK.

Founded in Finland in 2003, iLOQ currently has sales offices in 8 countries throughout Europe, operations in Canada and a partner network around the world. Adding the UK to its portfolio continues to fulfil the company's growth strategy and allows iLOQ to introduce the benefits of its battery-free digital locking and mobile access sharing technology to a huge new market.

Strong new building construction activity and retrofitting of existing buildings is supporting the growth of the locking industry in the UK. iLOQ has capitalised on new opportunities offered by digitalisation and the internet of things to create a smart locking system that provides even more added value for customers. For building owners, operators and key holders, the new features and benefits offered by iLOQ's battery-free digital locking and mobile access solutions bring high security and unparalleled ease of access management paired with major lifecycle cost savings.

Ulf Jonasson (pictured) will assume the role of Country Manager. Operating out of London, he will be responsible for building a winning team to establish the company's commercial activities and developing a strong base of partners and customers.

Contact: **Thomas Thörewik**, Chief Sales Officer
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Joni Lampinen, Chief Marketing Officer
joni.lampinen@iloq.com

Editor Recommends

Lantechwins 3M 2020 Supplier of the Year Award

Award recognises suppliers who improve 3M's competitiveness

4 February 2021.

Lantech, a stretch wrapper and case handling equipment manufacturer, was honoured with the 2020 3M Supplier of the Year Award in recognition of the company's contribution to improving 3M's competitiveness.

This year, 3M recognised 20 suppliers supporting the US and Canada, among thousands in its global supply base, for world-class performance in providing products and services. These suppliers were identified and rated based on actions taken to improve 3M's competitiveness and overall supplier performance. A virtual awards ceremony was held on

"3M has been a long time valuable partner and customer to Lantech," said Jim Lancaster, CEO of Lantech. "It is our honour to have been called on in the last year when an urgent need to ramp up production of PPE required immediate delivery of automation equipment. In addition to the ongoing work we do to ensure the safe to ship packaging of 3M products, Lantech associates stepped up to build custom machinery for 3M in less than a week."

"Supplier collaboration is critical to supply chain success," said Debora Fronczak, vice president, 3M Strategic Sourcing. "We are fortunate to work with great suppliers who



are committed to fostering a relationship with 3M. These collaborative relationships help us to serve our customers with innovative and valuable solutions. It's important that we recognise our most outstanding suppliers, and that's what this award is all about."

www.lantech.com

graze scores healthily in B Corp accreditation!

Unilever's healthy snacking brand graze, celebrates becoming a B Corporation (B Corp) after achieving 84 points. The B Corp certification sees graze join a strong line up of businesses who are committed to being a force for good in the world when it comes to people, planet and profits.

graze was especially hailed in the 'customer' section of the assessment for its ongoing commitment to creating healthy alternatives to the healthier snacks that are on offer. Allowing people to enjoy healthy living every day has always been the goal for graze as it continues to reimagine snacking by challenging the status quo of traditional snacking conventions, through being healthy yet tasty.

The brand's definition of health and the recipes it uses in its products have been guided by public health targets and a desire to play their part in tackling issues such as obesity. graze has removed 160 tonnes of sugar from its snacks since the end of 2019, 100% of graze snacks are



a source of fibre, over 75% of snacks are less than 150 kcals per portion and no graze snacks are high in salt*. The brand's hard work has meant that no other snacking brand can claim to have removed the high fat, sugar and salt ingredients at the scale and pace of graze.

www.graze.com

*In accordance with the UK government's measure of high salt levels

Gen-C's pay-as-you-go CHP support halves Springvale Energies' service bills

Gas engine support specialist Gen-C has helped on-farm AD operator Springvale Energies break free from a monthly CHP service contract. By upgrading the control panel, overhauling the engine, and supplying parts and servicing on a pay-as-you-go basis, Gen-C has not only given farmer Nigel Bloom control of his own engine but has also slashed his service and maintenance costs by 50%.

Operator frustration

The energy generated by Springvale Energies' 1.1 MW AD plant in Retford, Nottinghamshire, is converted into heat and power by two 600 kW MWM gas engines. Their reliability is crucial to the success of the diversified farming business, so owner Nigel Bloom signed up to the supplier's servicing contract at the time of purchase. Despite the £7,000 monthly cost, his team often faced delays for the engines to be restarted whenever a simple issue such as bad weather caused a temporary engine shutdown.

The tipping point came when Nigel was informed

that one engine required a full £70 refurbishment service, at an additional charge of £150,000. Dissatisfied, Nigel turned instead to gas engine support specialist Gen-C.

A fresh approach

Gen-C's Managing Director, James Thompson, commissioned his service partner, Warren Vessey of GenV, to inspect the engine and confirm that the £70 service could be delayed. James then installed



Springvale Energies' Plant Manager, Richard Gagg (L), and Warren Vessey of GenV (R) Production Staff

an open-access Motortech control panel, featuring ComAp technology. This gave the Springvale team full control over their own engine, enabling them to dial in remotely to monitor performance, diagnose any faults, fix them instantly and restart the CHP themselves. James also upgraded the fuel mixer and ignition controller with new Motortech parts.

Value for money

The project took just four days to complete. "From the moment the engine was switched on, it ran solidly until the next service without a hitch," says Plant Manager, Richard Gagg. "The new control panel is so simple to use that, should there be any problems, we can correct most things ourselves."

"By breaking away from our CHP service contract and switching to pay-as-you-go, we have cut our service and maintenance costs by 50%," reveals Nigel. "We're now in the driving seat, managing our engines ourselves and getting true value for money."



The new Motortech open-access control panel gives Springvale full control over their own engine

Contact: James Thompson, Managing Director
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Waste Management & Recycling News

For your carpet waste

By Allen Jackson, Director of textek

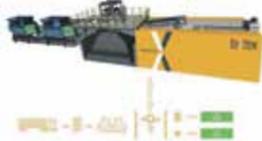
As the founder of textek, overcoming recycling problems has always been an ambition of mine. Upon successfully diverting a million mattresses from landfills by creating a bespoke line through tireless R&D and support from JPE Aggregates, Untha and Blue, ingenuity met mattresses and Matrenituity was born.

This colossal feat has brought forward-thinking councils, mattress manufacturers, and other waste management and recycling companies on board, who share the vision to tackle the mattress problem facing us in the UK by utilising textek in a practical and meaningful solution. Seeing the success and scale of textek, we received requests to tackle the problem regarding the waste carpet piling into our landfills. What recycling answer could we bring? So 4 your waste was created to diversify other waste streams. Setting our sights high, we implemented rigorous quality control and a process that creates a phenomenal product for equestrian flooring, achieving a 98% recycling rate.

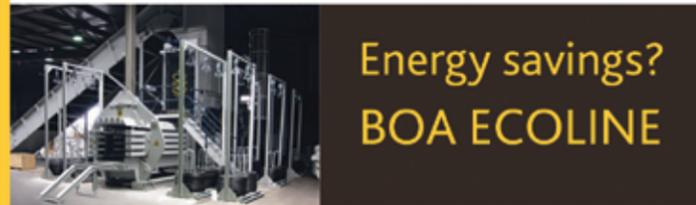
As a principle we are always looking for ways to improve what we are doing and will now turn the focus on extensive R&D for carpet, and look at further sustainable ways for other waste streams including tyres – watch this space. The 4 your waste name encapsulates a light-hearted yet serious acknowledgment that we are here to solve all your problems 4 your waste.

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Create amazing spaces with Keter



Sustainability Today is proud to announce that Keter has been selected as our Home & Garden Company of the Month, for its innovative range of resin-based solutions for your domestic space.

Keter is the world's leading manufacturer and marketer of resin-based solutions for both the home and the garden. For over 70 years, the company has been inspiring people to create beautiful spaces in their homes and gardens with innovative products. Keter's industry leading designs have been internationally recognised by the Red Dot Design Awards (2010, 2011, 2013), the ID Annual Design Review (2010), and the DIY Product of the Year (2010) among others.



"We focus on innovation within resin, which is driven by consumer insights, so we understand consumer trends and needs. We deliver the products consumers need," explained Edward Johnson, Managing Director UK & Ireland.

"Our mission is focused on simplifying and enhancing people's daily lives, making the day-to-day easier and hassle-free. If there are things



you need to store in the home or in the garden, you can easily use Keter; if you're looking for outdoor seating for garden get-togethers as lockdown starts to ease, Keter offers a great range of garden furniture; and if you're looking for somewhere to pack your food once you return to the office, Keter can also provide lunchboxes. We touch so many different categories in people's lives and it's fabulous to be able to provide solutions."

At Keter, it's not just about making products that are user friendly. "We're heavily focused on style and design. We look at colour trends and textures, how things feel, and spend time on the shape of products and how the corners curve. We



offer all different kinds of textures, styles and designs to suit people's homes."

One of Keter's notable ranges is the 100% recycled, Curver branded, Infinity range of home storage. These feature a fantastic style designed to look fresh and modern, allowing you to not only keep your house organised, but looking good too.

For outdoor use, Keter offers the Darwin shed. "We believe it is the evolution of the shed. In a traditional English garden, you might have a wooden shed in the corner, rotting away with paint peeling off. Keter has designed the Darwin to look and have the texture of wood, but it's all made from resin. This makes it durable, low maintenance, and easy to build, while still looking great in your garden."



These kinds of innovation typify Keter's mission to evolve tried and tested products that have been around for many years, and to both incorporate recycled materials and be recyclable in the future.

This all adheres to Keter's recent Sustainability Pledge, which features three key pillars summarising what the company is doing to reach its sustainable goals. "The first pillar involves better products for better places, which links back to our mission to offer innovative, affordable, recycled and recyclable products. We want to create a circular economy within Keter to provide good quality products for the future.



"The second pillar is a better planet. We manufacture in the UK and transport products around the country. We're constantly looking at how to recycle and reuse products and how to increase our efficiency in manufacturing. We've also taken the opportunity during COVID to reduce the amount of travel we do. Now, in an increasingly digital world, is the perfect opportunity to find ways around travelling to customers and other sites and moving things to a digital platform.

"Third is a better business. This involves the wellbeing of our people and teams. We also try to engage with our local communities, giving samples of our products to local schools and businesses, because we believe it's important to have these kinds of principles in modern society. This all resonates not just with our business philosophy but also with my own conscience and values."



Indeed, Keter certainly puts its people and their wellbeing first. "When the pandemic began, we immediately stopped manufacturing. We then looked at how we could come back and continue safely and meet the demand. We're certified as COVID-19 safe, we've had HSE audits, and we are continually making sure that we offer a safe environment for our staff to work in. We're not getting complacent."



Looking to the future, Keter will continue the innovation for which it is so well known, looking at lots of new textures of resin to create new and exciting products. "We have soft-touch resin, almost like a soft foam cushion, which would be great for garden seats to avoid the need to buy additional cushions. We're looking at lots of different options as well for creating copper and metal effects and other materials to create modern textures and styles all from resin."

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

www.keter.com/uk_en



The new generation of gas-concentration measurement devices

Portable detection, warning and measurement devices

The portable gas detection and measurement devices in the **EX-TEC® PM 5XX** series will make the work of gas fitters, maintenance crews and other specialist staff much simpler. They will help pinpoint leaks in freely accessible gas pipelines, estimate the risk of explosion and ascertain whether levels of toxic gases fall within occupational exposure limits (OELs).

Ergonomics that make work easier

All models in the new **EX-TEC® PM 5XX** series are accredited as gas detectors and approved for use in so-called "Ex" zones. Their high IP65 enclosure rating ensures safe operation even under adverse conditions.

Thanks to their non-slip housing with a rubber lining, the devices are easy to hold. Their high-contrast display is razor-sharp and is easy to read even in sunlight. All of the device's functions can be launched easily from its simple 4-button keypad (two arrow keys, menu key, enter key). The separate on/off button does not have any additional functions.

Just the device for every application

The fully featured version of the **EX-TEC® PM 5XX** gas detection and measurement device can detect up to five different gases. Thanks to its modular design, the user can tailor the device perfectly according to their needs.

For the construction industry, the **EX-TEC® PM 580** displays the carbon monoxide concentration in the ambient air and triggers an acoustic and optical alarm in case of high values. Carbon monoxide is toxic and can be released when combustion devices such as boilers have an insufficient air supply. The gas is poisonous to humans.

Convincing features

All of the models in the new **EX-TEC® PM 5XX** series are very user-friendly and suitable for any application thanks to their simple 4-button navigation and clear menu structure. Device inspection is supported intelligently by the device software and the illuminated 2.5" display can be read in any environment. The non-slip housing is easy to carry and, thanks to its single-hand operation, can be used by both right-handed and left-handed users. Should the hydrophobic filter come into contact with water, it protects the device and triggers the pump alarm. Filter contamination can be identified quickly and easily on the transparent closure in front of the easy-to-replace dust filter.

A short sensor and belt clip make use of the device even more comfortable, and are included as standard. Other sensors are available for users to customise the device for their exact requirements.

Running on AA batteries or rechargeable batteries, the device operates for a total of between 8 – 16 hours (depending on model and application).

Test equipment SPE AutoFlow simplifies necessary device inspection and reduces the amount of test gas required. The ATS 503/ATS 501 test station ensures precise measurement values automatically and reliably. Both are available as accessories. Powerful software called GasCom enables storage of the recorded measurement values and is used to configure the entire device.

Additional information on the new SEWERIN **EX-TEC® PM 5XX** range of devices is available from SEWERIN distribution partners or on the internet.



EX-TEC® PM 580

Detecting, measuring and warning – Everything you need

- Intelligent assistance with device inspection wizard
- Detects up to five different gases
- Practical and safe one-hand operation
- Quickly identifiable filter contamination, easily exchangeable dust filter
- Pump alarm if hydrophobic filter comes into contact with water



OxyMem provides process intensification on the UK's largest MABR plant

Severn Trent has embraced OxyMem innovation to create the UK's largest MABR plant at Spernal

Since July 2020 a full-scale MABR system has been in operation at Severn Trent Water's Spernal STP in Worcestershire, England.

This central plant has become the largest operating MABR plant in the UK and is benefiting from enhanced biological

treatment capacity. Installation and commissioning on site was easily and effectively carried out during a period of restricted access.

The plant processes wastewater from the surrounding catchment area as well as excess biosolids from satellite plants.

Consideration for future population growth and tighter ammonia consents led Severn Trent to look for improved

process efficiencies.

Following the successful installation, Bob Stear, Chief Engineer, said, "It's brilliant if we can find technologies that we can retrofit into the existing civil engineering structures to make that more efficient for our customers."

To learn more about this exciting project, you can watch the project success story video on the OxyMem & DuPont websites.



Contact www.oxyMem.com www.dupontwatersolutions.com

New instrument prevents accidental pollution

The detection of accidental contamination and spills into waterways, drains and waste water systems is now vital for environmental, financial and PR security. A lack of monitoring puts many companies at risk.



To meet these needs, Multisensor Systems is launching the MS1900 Monitor, designed to detect fuels, oils and other pollutants in outflows from industrial, food and beverage and transport facilities.

The MS1900 effluent monitor is a vital component in the defence of the environment, the avoidance of heavy fines for illegal discharges and the PR disasters which follow.

Multisensor Systems' MS1900 works in the harshest conditions with long service periods, reducing operating costs and without needing reagents or other hazardous materials. The MS1900 can detect contamination down to 100ppb and samples as frequently as every two seconds.

With a variety of sampling systems to remove the likelihood of blockages the MS1900 offers simplicity of installation and operation, working with 240 VAC or battery power and a variety of communications interfaces. A simple user interface allows programming of functions such as alarm thresholds and sampling frequency and all historical data is easily accessed.

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Specialists in

Water Boreholes and Ground Source Heating

Dragon Drilling is the largest environmental drilling company in the UK and specialises in water and ground source heating borehole installations.

Their services are ideal for most applications, including rural homes, new build, retro-fit homes, leisure facilities, care homes, caravan parks and farms. A water borehole enables you to become independent of mains water, whilst ground source heating is a sustainable energy which allows your property to have a constant heat whilst receiving payments from the Government's Renewable Heat Incentive scheme.

If you have high water or energy bills why not contact Dragon Drilling today for a free site assessment to see how they can start saving you money!

WATER BOREHOLES

If you currently use a large volume of water and face costly metered charges a water borehole can save you considerable sums of money. It also offers an excellent alternative if you have poor water quality or an unreliable supply. Sustainable in drought conditions and offering a reliable pressure, water boreholes can deliver safe, clean water direct to your property. Ideal for farms, caravan parks, leisure facilities and rural homes, water boreholes enable you to become independent of mains water.

Q&A: Water Boreholes

How much space do I need?
"The actual space required for a water borehole may be as small as a driveway. If you can get a Land Rover with a trailer to the drill location, our drilling rig should be able to gain access."

Can a water borehole be installed in a town property?

"Yes, we have installed water boreholes in many urban locations."

Do I still have to pay a water company once a water borehole has been installed?
"No, once installed your water will be supplied free of charge. You will only be subject to the running cost of the pump. If you are on mains sewage, you are still required to pay for this service."

What does the borehole look like at the surface?
"At the surface, we install an ordinary manhole cover, over which you can safely walk and drive."

How do you know if there is a sufficient water supply in the ground?
"We have an in-house geologist who assesses the underlying geology of the site and provides an anticipated drill depth for your borehole. At an additional cost and if required, the British Geological Survey can carry out a third party assessment. We cannot guarantee the quantity or quality of the water."

Is ground water safe to drink?
"Usually but not always. The water source may contain dissolved minerals that need to be removed. We recommend water quality tests are carried out and, if required, the installation of treatment systems."

Do I require a licence to install a water borehole?
"Anyone is allowed to extract up to 20,000 litres per day without a licence. If you require a greater volume of water, you will need an Abstraction Permit from the Environment Agency. We can assist with all licensing matters."

GROUND SOURCE HEATING

Extracting energy from the ground to heat a property is a sustainable use of the Earth's natural resources and could reduce your fuel bills. A few metres below the ground, the temperature is constant throughout the year and this energy can be harnessed to heat your home and water.

The benefits of ground source heating systems include:

- On average, 75% free renewable energy
- Government incentives available
- Fixed and stable energy costs
- Lower carbon emissions
- Constant heat 24 hours a day
- Fuels both hot water and heating
- Directly replaces your existing boiler
- Reversible to provide cooler temperatures in summer
- Can add value to property

Q&A: Ground Source Heating

How much space do I need?
"The actual space required for a ground source heating borehole may be as small as a driveway. If you can get a Land Rover and trailer to the drill location, our drilling rig should be able to gain access."

Can I install ground source heating in an old property?
"Yes, this is possible."

How much will I save?
"You could save up to 75% of your fuel bill."

What does the borehole look like at the surface?
"Each borehole is covered with a manhole of around 15cm"

How many boreholes will I need?
"This depends on how much heat is naturally lost from your building and the

allow watt capacity of your system. Generally, the bigger the property, the more boreholes you are likely to require. A typical four bedroom property may need two ground source heating boreholes."

If I need multiple boreholes, how far apart should they be?
"Ideally, ground source heating boreholes ought to be situated a minimum of six metres apart to maximise the efficiency of the heating pump system."

Do I need to gain permission to install a ground source heat borehole?
"Not usually. Permission may be required when drilling into an area containing coal. We can assist with all matters relating to permission and licensing."

Rotary Lobe Pumps ensure water recycling in mine

A manufacturer of mobile water treatment systems was in urgent need of high flow flocculant transfer pumps to enable water to be recycled and reused within a mine.



The mine was currently utilising water from a local reservoir, but with storage levels falling below 5%, fresh water supply to a nearby town was at risk of being halted.

North Ridge worked with a manufacturer of a Dissolved Air Flotation (DAF) System to utilise contaminated borehole water with high salinity, within the mine for operational and maintenance services. To achieve this a flocculant was dosed into contaminated water, combining suspended solids within the water, with secondary filtration used to collect and remove unwanted particles.

The rotary lobe pumps were positioned between the DAF System and the secondary filter, working at a flowrate up to 80m³/hour ensuring mining operation demand was met and processes unaffected.

Rotary lobe pumps are positive displacement units meaning they will continue to transfer fluid at the required flowrate, despite changes in back pressure which can be experienced as filters become clogged.

The operating speed of the units was a very low 428rpm, meaning the units would operate for long periods of time without maintenance, and with low amounts of wear. Furthermore the gentle operating motion ensures that the transportation of flocculant – which is shear sensitive, is performed without damage, or compromise to process.

For more info, visit: www.northridgepumps.com or phone +44 (0)1773 302660.

For more information about our services, please contact us on 01824 707 777 or admin@dragondrilling.co.uk or visit our website at www.dragondrilling.co.uk

Renewable Energy Company of the Year

Powering the future of renewable energy

Sustainability Today is proud to announce that Waxman Energy has received our Renewable Energy Company of the Year award.



"To receive this award now two years running, we feel honoured and proud that our continued work is being recognised. I'd like to thank our customers, on behalf of the team, for their continued loyal support through what has been a difficult year for most. I'd also like to thank the Waxman Team for their hard work and dedication, as without both we wouldn't have received this award again," said Sarah Wallace, Sales Director.

As an award-winning renewable energy company, Waxman Energy is one of the UK's largest distributors of PV modules, battery storage, inverters and mounting systems. And, although the last year has been challenging for us all, an increased focus on a 'Green Recovery' post-COVID has helped Waxman Energy remain strong.

"The last 12 months have been very strange, as I'm sure you can imagine. You would have expected that due to the pandemic we would have experienced some lull in business, but it is actually increasing month after month. I feel the pandemic has highlighted the need for renewable energy and reducing CO₂. Carbon neutral seems to be an important topic from every media outlet at the moment, and we need to take control of becoming greener for our future generations."



Of course, Waxman Energy has had to adapt quickly to the restrictions caused by the pandemic. "Training our customers is a high priority for us as a company. We sell very technical products and ensuring our customers are trained prior to installation is essential both to their business and to ours," Sarah explained. "We took to webinar training events that proved extremely popular with attendees from the UK and from Europe."

This is in addition to addressing the increasing popularity of battery storage. "We have invested heavily into the training and marketing of the battery storage solutions that we supply," Sarah said. "The technology has been within the industry for some time but it has never been as cost-effective or efficient as it is now. Both domestic and commercial battery storage solutions, along with EV chargers, seem to be really paving the way for a more sustainable way of living."



"If COVID has done anything it has highlighted that we the human race are not invincible, and we need to look at the way we live and how this affects our only home – planet earth. For these reasons, we will continue to work hard delivering world-leading brands, educating and training installers, and promoting high quality products to ensure consumers continue to reduce CO₂ emissions and create a greener future."

If you're interested in discovering more about Waxman Energy and how you can help secure the future of our planet, head to the website or get in touch using the details below.

Contact
T 01422 374114
sales@waxmanenergy.co.uk
www.waxmanenergy.co.uk



Water, Energy & Environment News

Continuity in a challenging environment

In keeping with a long-term succession plan, the previous CEO, Markus Dalla Monta, will retire as of July 2021, following a 35 year career at Traco Power. Stefan Schaffhauser will assume the CEO position with the beginning of the business year on April 1, 2021. As of this date, he will lead the Traco Power Group together with the CFO, Adrian Berger.

As before, Rolf Caspar – company owner and Chairman of the Board – will continue to concentrate his efforts on strategic issues in the firm, in conjunction with the board of director members, Jennifer Caspar and Ueli Wampfler.

During the past three years, Stefan Schaffhauser managed the international business team at Traco Power as their managing director, effectively contributing



to a positive corporate development. Prior to his career at Traco Power, Schaffhauser was employed at various industrial enterprises in management positions and as a business consultant.

Stefan Schaffhauser obtained a Master's

degree in Engineering and Management at the ETH (Confederated Technical University of Switzerland) in Zurich.

Stefan Schaffhauser is a Swiss citizen; he is 48 years old and lives in Central Switzerland with his wife and children.

The company is well positioned to implement the group's 5 year strategy and continue a positive employee culture, rooted in the new 'Vision 2025' plan. The owner family and the board of directors believe this Vision 2025 plan will help pave the way toward a successful future for the Traco Power Group.

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Brynk launches with vision to save planet

Brynk, the cutting-edge environmental start-up launches with its mission to help solve the climate crisis. Committed to using the latest technology, the best methods and the highest standards, Brynk works with trusted industry leaders such as The Gold Standard, VERRA and Eden Reforestation Projects. Brynk is a Pending B Corp and believes in business as a force for good.

Founded in 2020 by Luke Evans, Brynk was born from the vision of bringing together a community of people and organisations committed to solving the climate crisis. Evans says, "The planet can't wait for lagging governments and irresponsible



businesses to take action. We need to make the solutions simple, accessible and rewarding for all. I felt compelled to make a difference after the birth of my daughter, to ensure I do everything within my power to hand over a better planet and future for her and generations to come."

At this point, Brynk is offering tree planting

and forest protection: this is nature's way of fighting back against the climate crisis, restoring ecosystems and biodiversity and providing a pathway out of poverty for local communities.

Brynk has also launched a fast and simple-to-use carbon calculator to help individuals discover, reduce and offset their carbon footprint immediately, by funding renewable energy projects. By investing in these projects, the Brynk community is helping to keep fossil fuels in the ground where they belong.

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VAC 95+ for recycling at the highest level

It's new, it's sustainable, it's fully recyclable: VAC 95+ is the name of the new innovative vacuum bag from allfo, Germany, that brings a plus in sustainability to the retail trade and thus revolutionises processes in the food and packaging industry. Like no other vacuum bag, the new VAC 95+ combines outstanding barrier properties with great performance in product presentation and the best environmental compatibility.

The innovation consists of more than 95% polypropylene (PP) and a thin high barrier. Therefore, the name VAC 95+, too. In contrast to the original combination of polyethylene (PE) and polyamide (PA), PP can be easily recycled material-based. The innovative PP bags with a thin high barrier can be identified and sorted out in modern sorting facilities and then be reprocessed

into high-purity recyclates. These can then be used to manufacture new products.

The excellent recyclability has now also been officially confirmed: For the latest PP bag generation, allfo, the European market leader for high-quality vacuum packaging, received EU-wide certification from the cyclo-HTP institute in the category 'recycling class AAA'. allfo is thus the first and only manufacturer of vacuum bags to receive the highest recyclability class for its product.

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Firebreak walls



Ecogen commits to more investment in Health & Safety with the installation of firebreak walls at its Kings Worthy operation

As part of its continual commitment to Health and Safety and the welfare of its employees, Hampshire-based recycling company, Ecogen, recently commissioned RSG Structures Ltd to construct 6no - 4m high firebreak walls within its King Worthy facilities.

Totalling around 180m in length, the walls were to be installed within buildings and around existing equipment to give a 4 hour fire protection rating for the facility.

RSG Director, Gareth Neale, takes up the story, "We were approached by Ecogen to provide options for its new internal fire walls and these walls had to be 4 hour fire rated, fast build, dry jointed and self-supporting. Of the many systems we use for firewall, only the Legato system would meet all of these requirements.

"Space was tight but by using a variety of different sizes of block available we made the walls fit snugly into position."

Gareth continued, "That's over 750 tonnes of concrete with a 4 hour fire rating supplied and installed in under 48 hours with no other support required. There isn't another system of construction out there that would have been able to achieve this and highlights what can be achieved with a great product, great client, and a great team."

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



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Tap water without chemicals and microplastics – the solution is out there

Sustainability Today is proud to announce that Bluewater Group has received our Water Purification Company of the Year award.

Since it was created in 2013 by Swedish environmental entrepreneur Bengt Rittri, Bluewater has had a mission to deliver leading edge water purifiers and bottle solutions that are green, clean and healthy. These are designed to help people, businesses and organisations across the world reduce their environmental impact and hydrate in a safe, healthy way whether they're at home, at work or on the go.

We got the chance to speak with Bluewater spokesperson Dave Noble about the company's work over the last 12 months and plans for the future.

"It has been a challenging but also rewarding year," Dave said. "In many parts of the world, people are still buying plastic bottles of water at a terrifying rate with over one million produced every minute and most not being recycled. In America and China, for instance, many people for a variety of reasons don't trust the water coming out of



Dave Noble, Bluewater communications chief



A refreshing drink of pure water from Bluewater

domestic taps so buy bottled water instead. Perversely, COVID-19 has meant that people have been shopping more online rather than going to the supermarkets, looking for alternatives to bottled water and discovering water purification solutions that they can install at home.

"Also, generally speaking, the pandemic has made people more mindful about health issues, and awareness is only increasing. We've seen a big leap in interest in Bluewater's whole house water purification solutions. We can ensure clean water runs from your kitchen taps and appliances all the way to your bathroom and shower. People have more time than usual to spend looking after their own health, doing more research and becoming more aware that you can absorb chemicals in water through your skin as well as through drinking it."

As well as its whole house solutions, Bluewater now also offers sustainable water purification bottles. "These are made from stainless steel or glass. And, because we made it our mission to get rid of single use plastics, we looked at ways of avoiding all uses of plastic in our bottles. Many



A residential Bluewater point of use water purifier



Banning single use plastics use at film locations in South Africa



A message in a dispenser



A Bluewater hydration station in Le Havre at the start of the Jacques Varbre trans Atlantic race

non-plastic bottles out there, even stainless steel ones, use plastic in the seal for example, so we developed more nature friendly alternatives like silicone.

"The result is a range of bottles that are zero plastic, and they are attracting a lot of attention already, especially from major event organisers. Obviously, there have not been events throughout the last year due to the COVID-19 pandemic, but many events companies have been using this time to work out how they can return in a more sustainable way. Our bottles mean event organisers can supply pristine clean water and supply the bottles, monetizing something that might have been an expense before."

Indeed, from the very beginning, Bluewater's mission was to work against single use plastic bottles, and now the company is taking it a step further. "Not only are microplastics harming the environment, but the chemicals found in plastics are also affecting our bodies. There has been a



A runner in the Cape Town marathon refreshes with pure water from Bluewater



Message from a Bluewater bottle



Filling up at the British Open 2019

lot of research to show that these chemicals are affecting male fertility, so much so that it has decreased by up to 50% in the last 50 years. This is a consequence of the unmitigated pollution of the environment by different chemical compounds.

"And the issue is that experts may look at a chemical by itself and say that it does no harm, but they're not looking at what happens when it mixes with others and creates new compounds, which are what cause the problems."

To address this, Bluewater has been working closely with the Mirpuri Foundation in Portugal. "Their research has shown that there has been a huge jump year on year in the numbers of children being born with sexual deformities and a whole range of different problems. It's going to be difficult to reverse the damage the human race has caused through these chemicals. PFAS, also called forever chemicals, never break down – they're here for as long as the planet exists. Municipal water works are not always geared to remove specific chemicals so that puts the onus to clean tap water at point of use on consumers."

This campaign for cleaner water remains Bluewater's mission going forward. "We want to use human ingenuity in a good way. We're developing new technology and products that are more sustainable and cyclical, doing our best to improve the environment as well as avoiding harming it.

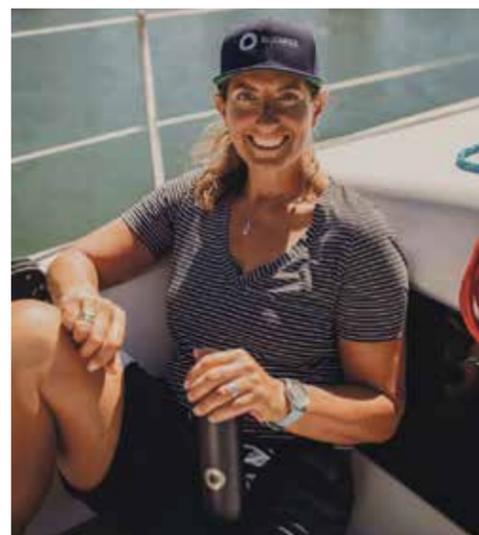
"We are getting to the stage now where water is running out and it's becoming a commodity. There are more people on the planet, so there is more demand. It's up to us as people to take care of the situation – everyone has a right to clean water. The good thing is that we are aware of the problems and we know what the solutions are. There are lots of ways to have access to clean water – without it costing the planet!"

To find out more information on Bluewater and its work with the Mirpuri Foundation, head to the website or get in touch using the details below.

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Bluewater founder and CEO is Swedish environmental entrepreneur Bengt Rittri, who believes everyone has the right to clean water without chemicals and other pollutants



Bluewater global water ambassador around the world sailor Dee Caffari