



SUSTAINABILITY TODAY

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www.businessandindustrytoday.co.uk

energy | water | waste | recycling | sustainability on LinkedIn 

Three Goupil G4s to help clean up Brighton streets

Brighton & Hove City Council has committed to becoming a carbon-neutral city by 2030. The city aims to reduce as many climate-damaging carbon emissions as possible, and the three new all-electric Goupil G4s delivered to the City Council are positive steps to help achieve its goals.

Added to the City's fleet for parks, gardens, and cemeteries, the Goupils will carry out their tasks with zero vehicle emissions, quietly and efficiently.

The Chair of the Environment, Transport and Sustainability Committee said, "The council has set an ambitious target to be carbon neutral by 2030 and the more electric vehicles we have on our roads, the better."

The G4 cage body includes: hydraulic tipping controlled by a cab mounted wander lead, aluminium dropdown and detachable sides and rear tailgate, and twin rear opening barn doors



and half dropdown door to the nearside.

With four battery options, the Goupils are configurable to suit varying demands, the 15.4kWh lead-acid model Brighton & Hove added to its fleet provides a balance of power, range, payload and budget, in this configuration delivering a 763kg payload and 49 mile WLTP range.

The Goupil G4 meets the needs of professionals and municipals. With 11 standard bodies to choose from, the G4s are available with pick-up, cage, and high-tip bodies, pressure washers and leaf collector.

Find out more about the Bradshaw Electric Vehicles range at: www.bradshawev.com or speak to one of the team on 01780 782621.

OGGS® founder named Start-up Entrepreneur of the Year

OGGS® founder Hannah Carter has been awarded the top accolade, 'Start-up Entrepreneur of the Year' at the Great British Entrepreneur Awards 2020.

OGGS® mission is to replace the hidden animal products in our food chain; the ones we don't even realise are there, like the egg white in bread and the poor welfare barn eggs in cheap cakes; they've started with eggs. OGGS® has launched the UK's first liquid egg alternative, easy and convenient not only for consumers but for food service and manufacturing. For every one tonne of OGGS® Egg Alternative Aquafaba used vs. eggs, 28 tonnes of CO₂ is saved. OGGS® also offer tasty plant-based cakes and treats that taste as good as a normal cake so everyone can snack without compromise.

In an excited statement from Hannah Carter, she says, "As a mission driven company, we measure our business in things that matter, like CO₂ reduction, chickens saved, and jobs created

because quite simply, this was the motivation for starting the company. These are the things that will reflect our success and why we are so delighted that OGGS® has been recognised not just for our achievements but also our commitment to a better future for people, planet and animals."

Since its launch, OGGS® has given 87,717 chickens the week off, saved 506,056 eggs from commercial use and used 821,073 pieces of 100% recycled plastic in its packaging that can also be recycled. Not to mention that OGGS® has also planted 2,500 trees. What's more, for every kilogram of eggs replaced by OGGS® Egg Alternative Aquafaba, OGGS® saves enough CO₂ to boil a kettle 21 times.

www.loveoggs.com



Biojet®: Designed to keep our oceans cleaner

Biojet® packaging has been created to deliver biodegradable transparent tubes, boxes and clamps. As people seek better environmental packaging solutions, Bell Packaging is delighted to announce the introduction of this exciting new product which means we can now offer a complete environmental range for new packaging projects in 2021.

Traditionally biodegradable/compostable products are very expensive. In some cases the cost has been two or three times more than virgin products which often makes the packaging cost prohibitive and is therefore not widely used. There have also been concerns expressed about the viability of biodegradable products, questioning what remains after the degradable process has been completed.

Biojet® answers both of these challenges. It is a much lower cost solution and has many exciting environmental credentials. Traditionally plastic products use crude oil to create polymer which is then converted into plastic which we use to make PET boxes, tubes and clamps. Our challenge has been to make these designs biodegradable but not affect the



performance of the packaging while it is in use.

To make Biojet® we introduce an additive which attracts microbes that uses plastic as their source of food and energy. These microbes can be found in landfill, the ocean floor, rivers and swamps where bacteria and microbes thrive. When the microbes meet the plastic, the biodegradation process is accelerated as the plastic is consumed. This process will only happen in the correct environment where microbes exist.

What used to take thousands of years to break down plastic now takes much less time as the microbes consume the entire product. After the process has been completed, the microbes leave behind the same bi-products as decaying organic matter – humus (soil), CO₂ and CH₄, both of which can be captured to produce clean energy.

T +44 (0)1582 459292
www.bellpackaging.com
www.faceguards.co.uk



rapid

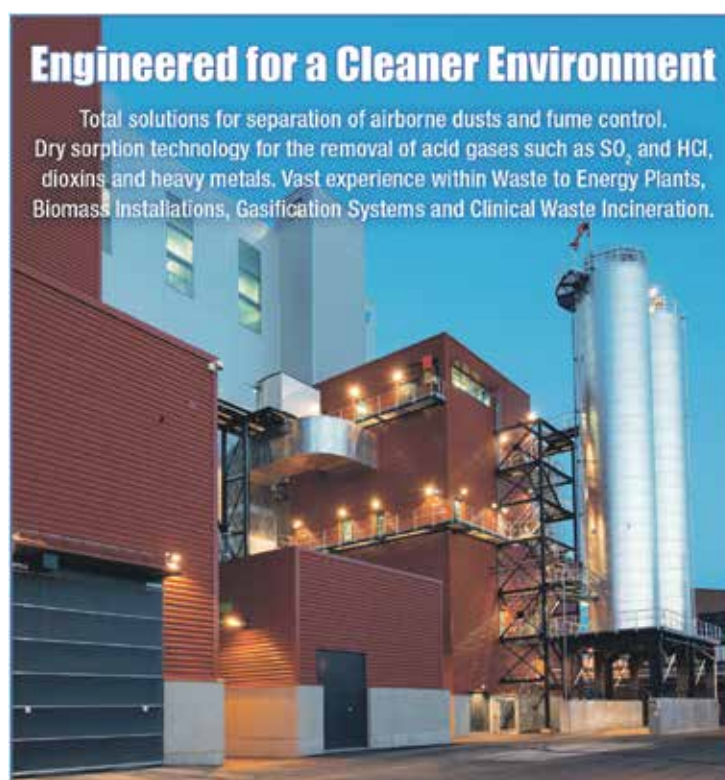
OPTIMAL PERFORMANCE FOR ENVIRONMENTAL APPLICATIONS

The Rapidmix 400CW mobile continuous mixing plant produces high volume (up to 600T) semi-dry mixes for a variety of environmental applications, including, RAP, soil stabilisation/recycling, contaminated land treatment, sludge solidification, bitumen emulsions, marine dredging & tunnel tailings/finings.

Learn more at: rapidinternational.com

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Burntwood | Staffordshire | WS7 3GG
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Switch to renewables

Homeowners urged to find the energy to switch to renewables ahead of UK climate change target



Renewable energy is becoming the norm and, with climate change now a very real problem, more people are thinking about investing in a renewable energy source. One of the main questions people ask when making the switch to renewable energy is how they can generate their own heat and use it most efficiently. This is where underfloor heating expert Wunda Group plc and its rapid response, 'no need to dig up floors' Wundatherm system comes in.

With climate change targets causing uncertainty for current heating methods, choosing a solution that works with any heat source will give customers peace of mind knowing that they only have to buy once. Wet underfloor heating is a good first step to reducing a household's carbon footprint, and while the country is still deciding on the most cost-effective way to update millions of homes, it is reassuring to know that products like Wundatherm will work with both current and future resources. Wet underfloor heating is one of the only heating systems that runs efficiently with new low energy heat sources. It's already the first choice for many countries, and has been shown to be 25% more efficient than radiators and costs 60% less to run than electric underfloor heating.

T 0800 083 2677
plans@wundagroup.com
www.wundatrade.co.uk

New wild flower products

Two innovative new products have just been released by leading UK wild flower specialists, Wildflower Turf Ltd; Meadowscape Pro™ and Wildflower Turf® Finisher.

After several years of research and product testing the Hampshire-based business has announced the launch of Meadowscape Pro™, an enhanced growing medium used by landscape professionals for effective wild flower establishment which has also been used and approved by The Royal Botanic Gardens, Kew.

Meadowscape Pro™ allows for the creation of dynamic and biodiverse wild flower spaces in a range of settings with minimal ground preparation, saving time and money. Extensively tested and enriched with Hydropor™, this specially developed formula supports good water percolation and retention, stabilising the growing



medium for much better seed germination compared to more conventional seeding methods.

Wildflower Turf® Finisher is designed to fill joins, edges and small gaps for Wildflower Turf® projects and will eradicate the need for wastage of the Wildflower Turf® product when laying complex areas. Perfect for use around trees, plants and around areas of defined shapes where cutting the Wildflower Turf® becomes more complicated, Wildflower Turf® Finisher will be supplied in convenient 20kg bags.

Contact
T 01256 771222
wildflower@wildflowerturf.co.uk
www.wildflowerturf.co.uk

'Think Before You Dig'

New research released by Energy Networks Association (ENA) reveals construction workers are risking their lives as nearly a third (31%) fail to check for underground electricity cables when digging on site.

Since 2015, an average of 70 people a year are seriously injured as a result of contact with underground electricity cables. Nearly half of all cases (47%) were reported on public highways, construction sites and industrial buildings making tradespeople at extreme risk of serious injury in the workplace.

When surveyed, 93% of construction workers and industry professionals believe they always dig safely, yet almost a third (31%) admitted to not always checking for underground electricity cables before beginning work.

Despite the threat to life, the main reasons tradespeople fail to check for underground electricity cables is because they don't believe it's their responsibility (15%), or they don't think they'll dig deep enough to hit anything (24%).



Underground services can be found and disturbed during street works, road works, excavations, drilling and piling, demolition and site remediation, site investigations and any other work that involves penetrating the ground. These cables can run at any depth below surface level and carry voltages ranging from 230 volts (domestic voltage) and upwards.

For more information on underground cables and how to work safely near them, please visit the Energy Networks Association website at: www.energynetworks.org/thinkbeforeyoudig

A more sustainable consultancy

JB Associates, a leading and innovative construction consultancy based in the South of England, has announced the launch of its mobile friendly interactive documentation for critical infrastructure risk mitigation.



they are off-site and working from home.

Whilst the construction industry adapts to new ways of working, JB Associates was quick to recognise the increased need for remote access to facility documentation. Similarly, while social distancing rules continue to dominate many workspaces, it is essential that building manuals can be accessed by multiple users at any one time.

Its 'JB eDocs' are now completely mobile friendly and compatible across all mobile & tablet devices. The product is dedicated to ensuring facility management and risk mitigation can be done remotely through digitised Building and O&M Manuals and Handover Documentation. Users are able to begin solving issues even if

It is estimated that, based on the 40 client manuals created and digitised as JB eDocs in 2020, over 20 large trees will have been saved in the last 12 months and an estimated 100 trees will be saved over the next 5 years.

Ashley Buckland, Managing Director at JB Associates, commented, "The JB eDocs are becoming essential for critical infrastructure environments and we believe they are the future in sustainable facility management. With real-time search facilities, custom bookmarking, interactive plans and intelligent linking, they are both efficient and adaptable."

T 01590 688928
www.jbassociates.co.uk

Pumps & Valves News

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Innovative industry leading chosen partner in wind

In this issue of Sustainability Today, we have selected Renewable Oil Services Ltd as our Company of the Month.

First established in 2008, Renewable Oil Services Ltd, is the UK's largest supplier of oil products and oil exchange services for the wind turbine industry. Providing services for both the onshore and offshore wind markets, Renewable Oil Services carries out gear oil, hydraulic oil and glycol coolant exchanges on wind turbines throughout the UK and Ireland.

"Having worked for 18 years on wind turbines, I could see that the method of oil exchange involved operators lifting tons of oil up and down turbines in 20 litre drums which I felt was dangerous and time consuming. I developed and created a system which both heats and pumps the oil. Using hoses which connect our truck mounted system directly to the gearbox within the nacelle of the wind turbine. Allowing us to easily remove the old oil and pump up the new oil in a closed loop system. Using this closed loop system means that there is no need to open the large gearbox lid therefore eliminating the risk of contaminants entering the gearbox," commented Barry Sutherland, Managing Director.

Using its very own specialised oil pump trucks and offshore oil exchange units, Renewable Oil Services ensures that the cleanliness level of the oil is maintained while also saving time and energy on each oil exchange.

Barry stated, "Traditional methods of exchange could take at least one full day to change a single turbine's gearbox oil, but by using our system, we are able to complete up to four turbine gear



oil exchanges in one day. Thus saving our clients time and money as each turbine is out of service for the minimum time possible."

All of the specialised trucks and offshore units are fully bunded and have a specifically developed oil heating and filtration system, all created in-house. This system allows Renewable Oil Services to pre-filter and heat the new gear oil products to between 40°C and 55°C, allowing them to pump the new gear oil products up their 180 metre hoses to the gearbox in the turbines' nacelle.



After draining the full system of the old oil, a flush may then be carried out, either due to the contamination levels from the old oil or for a change of product. The oil is circulated and flushed through the gearbox and ancillary systems by using the gearbox's own internal or external gear oil pump. After this, the flush oil is then drained from the gearbox via the sump drain point.

Lastly once the gearbox has been emptied, the filters are replaced with new units and the gearbox including associated systems are refilled with new clean oil.

With ample benefits, Renewable Oil Services improves safety, cleanliness and efficiency and their equipment enables gear and hydraulic oil exchanges to be carried out in a singular operation.

The system also operates with 1,000 litre IBCs



therefore reducing plastic waste and eradicating the need to use multiple 20 litre plastic drums when carrying out an oil exchange.

Demonstrating a wealth of expertise, Renewable Oil Services is an innovator in its industry and has been recognised

by major oil companies for their services in maintaining the cleanliness and quality of their products.

"We are the chosen distributor of wind products for large oil companies." Barry continued, "One of these companies includes Castrol who has chosen us as their partner in wind as they recognise us as having the best method for guaranteeing the integrity of their product into the turbine systems."

Having previously been an engineering officer in the merchant navy, this gave Barry the experience needed of working with vessels and pumping oils at sea. They were able to modulate their pumping system for use on CTW vessels. This led to a noteworthy development for the company when in 2013 ROS were the first company worldwide to carry out a vessel-mounted combined gear and hydraulic oil exchange on an offshore wind turbine.



In regards to the recent effects on the industry due to the COVID-19 pandemic, Renewable Oil Services did feel the constraints of halting operations temporarily, however the company were able to respond to the needs of health and safety regulations for their workers and continue providing services for their clients.

Barry stated that, "We did have to shut down for two to three months during lockdown, however we have been able to respond to the new regulations

and challenges caused by COVID-19. As essential workers for the renewable power industry we were seen as a necessity to ensure the wind turbines kept running efficiently. The restraints avoiding person to person contact with customers and colleagues did present its own



challenges. Normally our technicians would meet other local site technicians at customers' wind farms. To resolve this we have now been able to get our own technicians trained, approved and authorised to perform the oil exchanges alone under the Wind Turbine Safety Rules for some customers at some wind farm sites."



Determined to continue operations, Renewable Oil Services is looking ahead to the future with more offshore oil exchanges in the pipeline. "We foresee an increase in offshore operations due to the delay caused by the COVID-19 pandemic. There has been an increase over the past decade in the construction of offshore turbines and we have streamlined and improved our services enabling us to be able to provide multiple offshore oil exchanges in one full operational day," Barry said.

Continual development is an area which Renewable Oil Services takes pride in and plans to continue its dominating presence in the wind industry and others. "One of the biggest things that we will be looking into in the future is other industries." Barry explained, "We are often approached by current customers about providing our hose and pump system for other industries and operational plants."

Barry went on to say, "We take pride in our research and development programme and constantly strive to improve and develop our services. The development of our engineering along with our team is imperative, our company vision is to strive to evolve with the needs of our customers and the industries that we service. The world class engineering skills we have within our team for both building, maintaining and improving our kit allows us to stand out from our competitors."

To view a short video clip which helps to explain the fluid exchange process, visit: <https://youtu.be/AOVKVxHqV8s>

For any further information, please see the details below.

T 01560 485854
www.renewableos.com

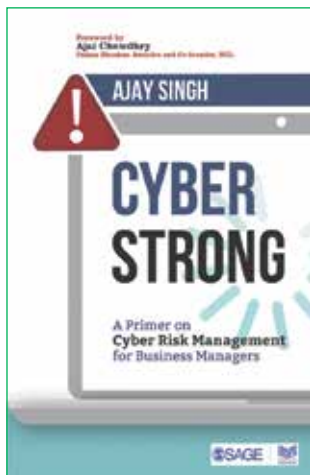


Cyber Strong: New book demystifies cyber risk management for business leaders, as cyber threats soar

Meticulously researched and written by Ajay Singh, 'CyberStrong: A Primer on Cyber Risk Management for Business Managers' helps any leader, owner or manager protect their information assets and directly address the biggest current threat to their organisation.

Fusing cyber risk management with existing business strategy, Singh's guide can be rapidly implemented to meet business goals, while building appropriate response systems to deal with a wide spectrum of cyber risks. One critic writes, "This book provides invaluable insights to empower board members, business leaders and managers with basic knowledge to build a resilient and cyber strong organisation."

In the post-COVID world, millions of employees now find themselves working from home, leaving organisations scrambling to manage cyber risks as workers use often-weak home communications infrastructure.



But pandemic aside, every organisation's key information assets are heavily exposed to cyber threats, making it one of the leading causes of theft and loss.

In his new book, Ajay Singh demystifies and simplifies cyber risk management so anyone can not only understand the threats, but acknowledge and implement the many

opportunities that exist to safeguard against cybercrime.

"Every business leader, owner, manager or even IT student can use this book to stop the confusion over cyber security, and learn what it is and how to implement safeguards – in a way that is simple and just makes sense," explains the author. "Many people think that cyber threats are something they almost have to submit to – but you can absolutely and perfectly safeguard your information assets. I'll show you how."

"Almost every business I consult with has numerous cybersecurity 'holes' they didn't know existed. So, even if you have an iron-clad strategy in place, this book will show you what you need to go back and revisit, so you can 'plug up' the holes and ensure your existing strategy has true longevity."

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Business leaders remain confident in a challenging year

Despite global economies reeling from the impact of COVID-19, business leaders are confident in their ability to generate growth in 2021, even as their expectations of global economic growth decline. This is one of the key findings from HLB's Survey of Business Leaders 2021 – Achieving the Post-Pandemic Vision: Leaner, greener and keener which launched recently. To gain insights into the concerns and priorities of business leaders in 2021, HLB surveyed 583 clients and other business leaders in C-suite positions across five continents.

While business leaders are worried about the implications of the pandemic, they believe that the pandemic will ultimately provide a unique opportunity to rebuild back better.

Commenting on the findings, Marco Donzelli, HLB's Global CEO, says, "2020 was a year like no other. The contraction of global economies saw many organisations having to rethink their transformational plans and focus on survival. Yet within these exceptional times comes opportunity and we are already seeing signs of the next phase of growth. In addition, a mindset shift is happening

across all businesses with social imperatives taking higher priority. The future is still uncertain, but we have found that the vision for the post-pandemic world is leaner, greener and keener."

As expected, the global pandemic is having an impact on the outlook for economic growth and although vaccines are now being rolled out, much uncertainty remains. 81% of leaders are worried about the implications of the pandemic and nearly 54% expect the rate of global growth to decline this year. However, others recognise that often disruption creates opportunity. This could explain why 42% of leaders plan to bring new products or services to the market and 76% are confident in their own ability to grow revenue over the next twelve months. While economic uncertainty remains a top concern for business leaders (over 77%), issues such as geopolitical uncertainty, regulatory change and social instability remain top concerns and will have an impact on the post-pandemic business climate.

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Floodex Review – Top Exhibitors

Working exhibits for 2021

The Floodex organisers have, for the first time, the facility to display working outdoor exhibits at the 2021 event, which is something they believe no similar events currently offer. These will be on limited availability for 2021, so it is advised to book a plot early.

As the event goes forward, organisers hope to develop and expand this area, as an added feature for working plant and machinery.

Floodex is delighted to confirm that the 7-8 April dates for Floodex 2021 remain firm, but we have made some contingency plans.

In the unlikely event that the 2m rule may still apply, we have increased aisles to 4m wide and the seminar areas will be made larger and spaced out accordingly, as will any eating and seating areas.

We are also fortunate that, if we have to, we have the facility to move the event back by up to a couple of months, or even switch to a 1 day outdoor event, so whatever happens, Floodex will run.

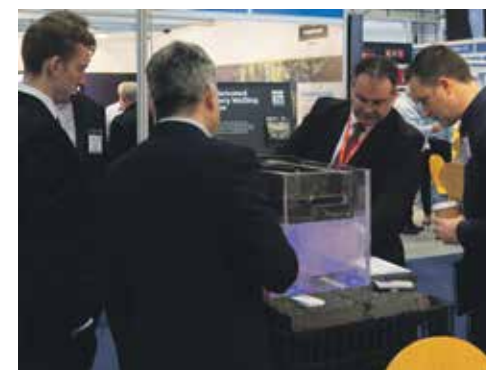
Visitors can meet senior level people from the Internal Drainage Boards, member flood officers and engineers from the Association of SuDS Authorities, relevant

people from the Environment Agency, Local Authorities, engineering firms, contractors and many others.

Floodex attracts a concentrated audience of high level decision makers and influencers, many of whom you won't get to talk to anywhere else.

This is our pick of the best exhibitors from last year's event, held at Peterborough Arena from 26-27 February 2020, listed here in alphabetical order: The Fen Group & GreenBlue Urban. Further details can be found below.

www.floodex.co.uk



Driving toward a greener future with ArborCharge

One question that is on many minds is "what will our towns and cities look like in the future"? Well, nobody knows, but one thing is sure – it's going to be different from what we have been used to. There seems to be little doubt that pedestrians and cyclists will have higher priority than they have for the past one hundred years or so, and that issues such as air quality and the heat island effect of our concrete jungles will remain high on the agenda.

As a general rule, authorities are looking to implement sustainable drainage systems, pollution-free travel, reduction

of temperatures in urban areas, improved air quality and other environmental interventions which will improve the quality of life for residents.

The GreenBlue Urban ArborSystem with Arborflow and ArborCharge. The new package ticks all the boxes, and what is so unique is that the tree that is central, guaranteed to grow to species potential size and age, year after year to bring the huge benefits that only a healthy tree can provide. The Arborflow module attenuates and cleanses stormwater, reducing pressure on the limited drainage networks, and irrigating and feeding the tree.



The new ArborCharge option adds the ability to include electric car charging! While excavating the tree pit you can now identify and join into an electrical supply to supply the charging units. Trees bring so many advantages to humanity; as we begin to adapt to the changes in our global climates we need to make the small steps fast, to bring the big changes soon.

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www.thefengroup.co.uk

The Fen Group

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Based in Friday Bridge, near Wisbech, our experts provide practical advice and can

devise and deliver innovative solutions to any drainage, irrigation, construction or maintenance problem no matter how complex. Our extensive fleet of specialist plant and experienced environmentally trained operators means we can deliver on projects of any size. With a reputation for efficient project management we have the knowledge and experience to achieve results under challenging conditions and tight timescales.

With our extensive experience in water related civil engineering and environmental engineering, we undertake all aspects of water management and flood

Driving Toward a Greener Future with ArborCharge

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ArborCharge combines **EV Charging** with GreenBlue Urban's **ArborSystem** & **ArborFlow** to create the ultimate, multi-functioning tree pit system.

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GreenBlue URBAN
Establishing the future urban landscape

Allerton for all your drainage needs

Headquartered in Sleaford and serving Lincolnshire, Yorkshire and much of the East Midlands, Allerton is the premier off-mains drainage company covering sales, servicing, commissioning and repairs of all types of septic tanks, sewage treatment plants, sewage pump stations and soakaways.

As well as saving you money, the company will maintain your compliance with regulators, help you protect the environment and extend the life of your system.

Moreover, Allerton also does specialised pump stations for awkward situations. The company can accommodate specific requirements – such as if something very small, very shallow, or narrow is needed.

Although the company is making site visits, it will not enter the house or site, so you can rest assured it is COVID compliant.

To find out more, visit: www.allertonuk.com



Freephone: 0800 328 5492

Email: sales@allertonuk.com

Website: www.allertonuk.com



The Dependable Choice in Drainage

In rural areas without a mains drainage system, and where septic tanks will no longer reach environmental standards, Allerton can provide the ideal solution. Trading since 1974, Allerton are leading specialists in efficient treatment systems. They pride themselves on their individual, problem solving approach to dealing with alternative means of treating and disposing of raw sewage.

The Allerton ConSept converts your existing Septic Tank or Cesspit into a fully functioning Sewage Treatment Plant.

Servicing & Maintenance on a wide range of Sewage Treatment Plant and Pump Stations by BRITISH WATER ACCREDITED ENGINEERS.

The Diamond Sewage Treatment range is suitable for either individual homes or small population applications

When Gravity Drainage is not possible choose Allerton Pumping Stations for Sewage or Dirty Water



Snickers Workwear High-Performance Jackets

Workwear – Protectivewear – Performancewear – Leisurewear

With street-smart designs for men and women, all Snickers Workwear jackets include must-have features that focus on fit and freedom of movement as well as using innovative fabrics that deliver long lasting protection and stretch comfort.



Whatever you need – if it's for work, play or protection against hazards – Snickers Workwear has Jackets that will work on site, are ideal for leisure, always ensuring optimal performance, comfort, good looks and visibility.

ALLROUNDWork Jackets are just what the name suggests, delivering a great all-round performance. There's also FLEXIWork Jackets that provide superb comfort and weather-proofing if you're always on the move and LITEWork Jackets that keep you feeling cool and looking good whatever you're doing in warm weather.

So check out the performance, comfort and protection features of Snickers Workwear Jackets, there will be one to suit you – wherever you are, whatever you need, whatever you're doing.

Getting more information on the Snickers Workwear jackets range is easy. You can call the Helpline on 01484 854788, check out: www.snickersworkwear.co.uk/products/93 and download a digital catalogue or email: sales@hultaforsgroup.co.uk

Enhanced visibility & safety with Snickers Workwear Hi-Vis

A superior range of Hi-Vis protective wear – for all kinds of light conditions

Snickers Workwear takes personal wellbeing at work very seriously. That's why this range of Hi-Vis protective wear is streets ahead of anything else.



With updated styles and designs added to the extensive range of Jackets, Trousers, Shorts, Toolvests, Shirts and Fleece for men and women, there's a host of garments in the range to satisfy the specific requirements of Classes 1, 2 and 3 protection levels.

These 'outstanding' products combine Snickers' unrivalled hallmarks of functionality and comfort with the requirements of the EN20471 standard for high visibility warning clothes.

With advanced designs and high-tech fabrics that are windproof and water-repellent, all the garments have durable, colour-fast protection that will last for wash after wash, retaining shape and comfort throughout the life of the garments. Added to which, Snickers Workwear Hi-Vis garments can be custom-profiled to ensure 'stand out' coverage for your corporate brand.

Getting more information on the Snickers Workwear range of ProtecWork and Snickers Workwear Hi-Vis protective wear is easy. You call the Helpline on 01484 854788, check out: www.snickersworkwear.co.uk and download a digital catalogue, or you can email: info@snickersworkwear.co.uk

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Security News

iLOQ delivers 1,000th iLOQ S5

iLOQ's mission is to transform mechanical locks into digital and mobile access management. At the end of 2019, the company took advantage of the opportunities offered by digitalisation and the Internet of Things and built on the knowledge gained from the introduction, 15 years ago, of the ground-breaking iLOQ S10 to release the revolutionary iLOQ S5.

iLOQ S5 offers a range of unique features that provide even more added value to its users. Like all iLOQ's environmentally friendly solutions, the S5 is battery-free.

A major new development, unseen before in the locking industry, is that it enables device-to-device



communication. This advanced feature allows a vast amount of data to be remotely updated and then shared between readers, keys and locks in a building.

Information, such as access rights, time limitations, a list of blocked keys and audit trails, is quickly shared between the devices before the door is unlocked.

With no need for additional wiring, iLOQ S5's standard, open application programming interface (API) allows integration with modern information-sharing and booking systems.

This next-generation innovation brings high data security and unparalleled access management, along with competitive lifecycle costs and significant savings, to building owners, users and key holders. And, less than a year after its introduction to the market, the 1,000th iLOQ S5 system has already been delivered.

Contact: Joni Lampinen, Chief Marketing Officer
joni.lampinen@iloq.com

Export Director strengthens iLOQ

Nicoleta Hajek joins digital locking company – iLOQ – as the new Export Director on 2 November 2020.

iLOQ currently has a sales organisation in eight country subsidiaries, and the company's digital locking and mobile access solutions can be bought in more than 1,000 locations in almost 30 countries.

Nicoleta Hajek will strengthen the sales process and support and developing existing partner and distribution networks. She will also be responsible for creating additional business and opening new markets, segments and sales channels.

"Nicoleta has a strong background in global sales and key account management



within the international business environment. Her open and dynamic personality, excellent communication skills and

multicultural understanding will be assets for iLOQ as we look to develop awareness of the brand and secure some great new business opportunities," states iLOQ Chief Sales Officer, Thomas Thörewik.

iLOQ is dedicated to making life accessible by bringing the benefits of its battery-free digital locking and mobile access sharing technology to the worldwide stage.

"I'm excited to join iLOQ at a point where growth into new markets is really on the agenda. The world really deserves to know more about iLOQ's innovative technology, and I am proud to be a part of this next chapter in iLOQ's amazing success story," concludes Nicoleta.

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Uppsalahem access management

Uppsalahem is the leading housing company in Uppsala, Sweden. Currently, almost 30,000 Uppsala residents live in the company's 17,000 homes, which include student housing.

Uppsalahem started its cooperation with iLOQ by installing the iLOQ S10 digital locking system in its student housing in 2017 and extended this installation to other properties in 2018. In 2020, the customer was introduced to the new iLOQ S5 digital locking solution and quickly realised how they could take advantage of its even smarter and more simple access management. Uppsalahem now has a long-term plan to install



a significant number of digital locks and online readers, such as the iLOQ S5.

"In my role, I support both new builds and renovations carrying out significant market analysis, investment planning and feasibility studies. I could easily see how the iLOQ S5 could simplify our access

management and save us lifecycle costs. In rental properties, tenants change frequently. We can quickly and easily cancel access rights as tenants move out and reissue them as new tenants move in. And the device-to-device communication feature saves us even more time: access rights data can be remotely updated and then shared between readers, keys and locks in a building before the door is unlocked," states Malin Roslund, Head of Project Support for Property Development, Uppsalahem AB.

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iLOQ takes its locking into Canada

Digital locking company – iLOQ – is fulfilling its growth strategy, this time by extending its operations across the Atlantic to Canada.

Founded in Finland in 2003, iLOQ currently has sales offices in 8 countries throughout Europe and a partner network around the world. Adding Canada to the portfolio will allow iLOQ to introduce the benefits of its battery-free digital locking and mobile access sharing technology to a huge new market.

The critical infrastructure sector is particularly vital in Canada. iLOQ's keyless locking solution, where an NFC-enabled smartphone acts



as both a key and a power source, enables utilities providers to focus on core business – managing and maintaining sites, not providing access to them. By consolidating numerous unmonitored sites hosting critical equipment and multiple access possibilities into one user-friendly, customised software platform, iLOQ's solution

increases operational efficiency while lowering operational expenditure.

Security-solutions expert, Frank Hayes (pictured), will assume the role of Country Manager. Operating out of Toronto, he will be responsible for building a winning team to establish the company's commercial activities and developing a strong base of dealers and customers.

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iLOQ and Locare reach an agreement to install digital locks

iLOQ is constantly growing and expanding its market. The philosophy of working, growing and improving is a clear example of the expansion of the company in Spain where digital locking solutions are clearly disrupting the market.

Recently, iLOQ signed an agreement with one of the largest real estate investment managers in Spain – Locare – who has chosen to install battery-free electronic locking systems in its developments and residential buildings. Locare is a platform for capital management and development of residential portfolios on a rental basis. They



build and then rent.

Locare offers a differentiated and unique proposal in the market of housing and consumer services oriented to the tenant. Given these needs, they crossed paths with iLOQ to implement the digital lock system in all their developments.

Digital locks for residential buildings have many benefits.

Access control is guaranteed. Tenants will have only one key. With it, they will be able to open the main entrance door and also the doors to their apartment, the storage room and to the parking lot. iLOQ's practical solution ensures comfort, speed, and flexibility. iLOQ also ensures security and control of all accesses. Tenants cannot duplicate the digital keys, therefore, there is no risk of fraudulent use.

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iLOQ helps Levi become the most digital ski resort on the planet

Levi is a fell located in Finnish Lapland. With 43 downhill ski slopes, 27 ski lifts, 886km of snowmobile tracks and 230km of cross-country ski trails, it is recognised as being the largest ski resort in Finland.

Levi also has the goal of being the most digital ski resort on the planet. Levi has a widespread infrastructure with many different premises and buildings including various types of accommodation, restaurants, ticketing bureaus, ski lift complexes, rental shops, and administration offices. Security is a priority for business owners, managers, and administrators within the resort, but easy access and a pleasant user experience is



a priority for Levi's employees and visitors.

Marko Mustonen, Commercial Director at Levi Ski Resort Ltd, took the decision to make iLOQ's digital locking and mobile access solutions an integral part of Levi's ecosystem.

"The access rights for various locks around the resort are programmed onto iLOQ's digital keys. The keys

themselves cannot be copied and, if a key is lost or stolen, we can quickly and simply remove the access rights from the easy-to-use administration platform. We're confident that this keeps our security levels high.

"The locking system itself is battery free – the power needed to open locks is generated by the movement of inserting the key into the lock. That reduces our maintenance requirements and lifecycle costs dramatically."

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Sustainability News

Five pledges in five years unveiled

Keter, one of the world's leading manufacturers of home and garden products, has unveiled five transformational sustainability pledges to be delivered in the next five years.

As a responsible manufacturer, the commitment to these pledges is being announced as part of its latest sustainability report.

The ambitious and far-reaching pledges are:

- 55% of recycled content in total production
- Continued zero production of single-use plastic consumer products
- 25% reduction in greenhouse gas emissions from production
- Zero waste to landfill from production
- Product end of life programmes in all regions

The five pledges will be delivered by focusing on three key areas of



the business. Better Products for Better Places; further enhancements to Keter's positive circular approach for product design, manufacture and lifetime product use, Better Planet; operational efficiencies and environmentally positive actions

throughout its supply chain, and Better Business; delivering social value through ethical conduct and community investment. Progress against each target will be reported on annually, further embedding sustainability within the DNA of Keter.

Edward Johnson, Managing Director at Keter UK, said, "To address the environmental challenges we face as a society, we must collaboratively work to live more sustainably. Through this commitment, the Keter business, our people and our products intend to be a force for change by having a lasting and positive impact and helping to encourage sustainable living and the creation of long-lasting products. This is a significant milestone for the company and takes a holistic look at the influence and impact we can have to build a greener and better world."

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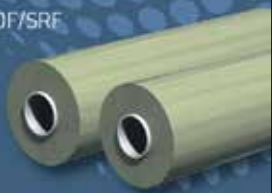


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New wall for new metal recycling facility

RSG Structures recently undertook full design and build of a new 120m long x 3.2m high perimeter push wall for a new metal recycling facility in East London.

The wall was constructed using an RSG proven method of in-situ foundation/plinth with precast Legato blocks installed onto it. The headline figures on this project were 441no blocks from Elite Precast Concrete delivered and installed in 4 days. That's the equivalent of 400m³ of ready mix (or 67no wagons) with just two men and it was ready to put to use as soon the blocks were in position.

An in-situ wall of similar size and strength would have taken weeks longer to construct and then it needs to cure before being out to use.



Alongside its other services, RSG Structures is also pleased to announce the launching of an industry first inspection service called SiteSafe.

Where clients have existing walls (constructed from interlocking blocks, timber sleepers, L shapes, panels or anything else), they can organise a SiteSafe report which includes a site survey to observe current wall layouts,

systems, the types, designs and how walls are being used. The client then receives a factual report which will note where systems in place are working within design capability, highlight any areas of concern and recommend remedial actions to make the site safe, this is then signed off by an RSG Director and Structural Engineer

For more information about the wide range of services offered by RSG Structures (including the new SiteSafe service), please contact: gneale@rsgstructures.co.uk or call Gareth on 08452 997597.

For more information on any of the products offered by Elite Precast, please contact: sales@eliteprecast.co.uk or call 01952 588885.

For your carpet waste

By Allen Jackson, Director of textek

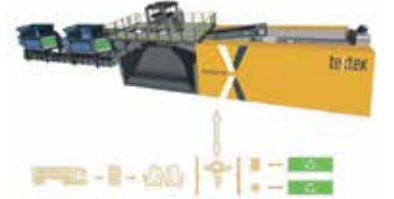
As the founder of textek, overcoming recycling problems has always been an ambition of mine. Upon successfully diverting a million mattresses from landfills by creating a bespoke line through tireless R&D and support from JPE Aggregates, Untha and Blue, ingenuity met mattresses and Matrenitiuity was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

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Water Purification Company of the Month

Green, clean and healthy water purification solutions

Sustainability Today is proud to announce that Bluewater Group has been selected as our Water Purification Company of the Month.

Bluewater Group believes everyone should have access to clean drinking water, something which is difficult to dispute. Unfortunately, this need poses problems no matter where you are in the world: if you have access to running water, you may not like or trust it; or, you may lack access to fresh running water almost completely. The alternative, water in single-use plastic bottles, is no better. So how can we get hold of clean water that is safe not just for us, but for our environment too?

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



Bluewater Global Brand Ambassador, Dee Caffari, who has sailed around the world solo six times, enjoys a swig of pure water from her Bluewater bottle

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.

The technology developed by Bluewater uses reverse osmosis in the most efficient way to remove contaminants from water as it comes out of the tap. "The technology we use has been around for 40 years, but we have developed it to make it more efficient," explained David Noble, PR & Communications Director. "Traditional reverse osmosis systems create a lot of waste, with 10 litres only generating about three to four litres of clean water. Our SuperiorOsmosis™ system makes much better use of the water, with 10 litres delivering around seven to eight litres of clean water.

"Our tech also uses very little energy. It improves the flow of water through membranes, using less electricity than traditional osmosis systems making it highly energy efficient. So, Bluewater's system produces more water, with less wastage, and using less electricity."



Mobile Bluewater water stations were used on the film set of the hit Raised by Wolves TV series from Ridley Scott to supply actors and support crew with on demand pure water instead of using single use plastic bottles

Today, Bluewater offers this technology in solutions for nearly every need, including water dispensing solutions for events which are increasingly taking an anti-single use plastic stance. "These events have a huge capacity to influence people and show them there are solutions to challenges we've taken for granted before.

"We've worked a lot with The Open, where we offer our dispensers to help keep people hydrated without using hundreds of thousands of single use plastic bottles. They can take water from practically any source, lake,



Bluewater founder, Bengt Rittri, with a compact Bluewater Spirit under sink water purifier

river or well, and deliver it chilled, still or sparkling.

"To help close the cycle of providing consumers with clean water in a sustainable way, we have also complemented our purifiers with a broad range of eco-

friendly bottles made of glass and stainless steel. These are available in a variety of sizes and colours, with different caps for different needs, and all plastic materials have been replaced with silicon."

Indeed, as people in the UK and across the world are becoming increasingly aware that their tap water isn't as clean as it should be, these solutions are more important now than ever. "I think that people are even more conscious of this now following the COVID-19 pandemic, which has made us look at health issues more closely than we did before. We can't take anything for granted anymore, and water is a huge health issue in every country, including the UK.

"People are more alert to the fact that we need to look after ourselves and our environment, and our water purification equipment and great looking sustainable bottles in stainless steel or glass are a great way to stay hydrated in a safe and sustainable way."

To find out more, head to the website or get in touch.

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www.bluewatergroup.com



Bluewater water stations at The Open 2019 in Portrush, Northern Ireland, helped the R&A ban the sale of single use plastic water bottles during the four day event that saw around 50,000 visitors every day

Glamping Company of the Month

A new perspective on glamping and outdoor dwellings

Sustainability Today is proud to announce that Anthropods has been selected as our Glamping Company of the Month, for its unique range of sustainable, luxury glamping pods and micro-dwellings.

As the glamping market grows, customers are increasingly looking for new and unique experiences, with outdoor leisure accommodation being held to higher standards than ever before.

Since 2018, Anthropods has made it its mission to create upmarket, long-life glamping pods and micro-dwellings for the leisure and hospitality industries, satisfying the growing demand for beautifully made, high quality outdoor spaces. And, with the COVID-19 pandemic highlighting the mindful benefits of the great outdoors, Anthropods' unique outdoor dwellings are the perfect way to get closer to nature.

This is all backed up by a strong commitment to sustainability. "Anthropods only uses timber from sustainable sources. The outer timber cladding employs Western Red Cedar that requires no maintenance as it contains its own natural oils," explained Doug Adamson,



Executive Chairman. "Additionally, the pods' insulation is made from recycled plastic bottles and the integrated wet room unit (WC/shower/washbasin) is made from recycled polypropylene.

"We want to produce things that are long-lasting and sustainable, using recycled or sustainable sources, to create a beautiful end product."



All Anthropods' products are made to order and hand assembled, and delivered to customers fully made on a flatbed truck with an accompanying crane. "We provide bespoke design services and offer customers advice on site layouts, undertake feasibility studies and likely ROI, provide photoshop imagery of our products in situ, and assist with planning applications," Doug said.

With a range of different models, including a recently released Go! Garden Office for the B2C market, Anthropods will soon be launching the Orion 4 berth and Cygnus 2 berth Stargazer models. These have been designed specifically for dark sky areas of the world, allowing occupants to sleep in a raised double bed under the stars.

"We already have orders for these unique new products, and the prototype is currently being built. It features special roof glazing, with the rest of the roof made from sedum which reduces the visual impact. The pods can also be sunk one metre into the ground if required.

"As well as interest from traditional glamping customers, our products also appeal to country landowners and estates who are seeking differentiation and high quality spaces that are architecturally interesting and beautifully made. Wedding venues and pub owners requiring stylish additional space are also attracted to Anthropods, as well as farmers who are wishing to diversify and



maximise the value of redundant or unprofitable land. We expect our customers to get ROI within two years – consumers are always looking for a different experience, and our products offer exactly that."

In support of Anthropods' fresh perspective on glamping and temporary accommodation, the company was recently shortlisted for The Yorkshire Post's Excellence in Business Awards and Anthropods' CEO, Rik Currie, was shortlisted for the Institute of Directors Director of the Year Awards for innovation. "This proves that our designs are being taken seriously in the industry and that our mission to produce something different from anything else in the market is paying off," said Doug.

Looking to the future, Anthropods is looking to continue its international growth. "Following enquiries from the Middle East we are exploring a joint manufacturing operation to service enquiries from the Gulf States. We are also researching a similar operation in the US and Canada markets. We already have had success in exporting to Europe and we are keen to build on that by obtaining sales agents in certain key markets," Doug concluded.

To find out more information about Anthropods, head to the website or get in touch using the details below

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