No-dig drain lining solves road congestion

Drainage and water utility specialist Lanes Group plc has completed a major sewer rehabilitation programme along one of the busiest main roads into Exeter in Devon. The work involved installation of multiple local structural repairs and one 167-metre full liner in highway drains along the A30 Honiton Road on the eastern outskirts of the city.

Construction and highway maintenance specialist Stamska, working with Devon County Council as its term maintenance contractor, commissioned the Lanes depot in Plymouth to carry out the work. Pipes with diameters of 150mm, 225mm, and 300mm were rehabilitated in 15 night shifts, with all work completed 10 days ahead of schedule. A CCTV drainage survey report had originally recommended the replacement of a 167m length of 225mm-diameter pipe, including a section that passed beneath a railway bridge.

Installation of multiple local structural repairs and installation of a single 167-metre full liner in the A30 Honiton Road on the eastern outskirts of the city. The 167m ultraviolet (UV) light cured in place pipe (CIPP) liner was installed by a specialist lining team from the Lanes sewer rehabilitation division. The liner was winched into place and inflated with compressed air. Then a UV light train, a wheeled device fitted with UV lights, was pulled through the pipe. This cured a UV-reactive resin in the liner, creating a tough, impermeable pipe within a pipe, making the highway drain waterproof and giving it added structural strength.

Best Service Europe

Best Service Europe has always worked for the renewables sector, and to understand even more fully their requirements Frank Butterfield, MD of Best Service Europe, is also a director of Team Humber Marine Alliance. This close relationship ensures that Best Service Europe understands their requirements and can fully support access to internet and TV at sea.

Best Service Europe specialises in VSAT and TVRO systems and is excited with the developments in the industry to provide the next generation in antennas. This includes the Intellian G100NX terminal with a high precision reflector, a single cable for power and signal to an all-in-one below deck unit with a built-in GX modem and GX mediator. GX100NX enables ships to use Inmarsat Fleet Xpress for Ka-band connectivity and will be ready when Inmarsat’s GX-R2 constellation is commissioned. It has a high-power BUC upgradeable to 10W for access to higher bandwidth packages.

These small units have worked successfully with the Direct modem technology, displaying similar radio frequency performance to larger VSATs. To find out more about the next generation of antennas from Intellian and other leading manufacturers, please contact Best Service Europe who will assist you with all the options from sales to support. Visit: www.best-service-group.com or call +44 (0)1482 526767.
Plastic Oceans is turning awareness into action

With over 300 million tonnes of plastic produced globally each year, on average 8 million tonnes reach our ocean. Plastic is an important material in our lives. But it doesn’t belong in our precious ocean.

Plastic Oceans (UK) was founded in 2009, with the mission to end plastic reaching the ocean within a generation. As experts on plastic pollution, our initial focus was raising public awareness, including the award-winning documentary, A Plastic Ocean, a film lauded by Sir David Attenborough as “one of the most important films of our time”.

Having played a key role in generating unprecedented momentum around this issue worldwide, we are now actively engaging communities, particularly youth, to empower them to take action and find solutions in their home, school or community.

Plastic Oceans (UK) is producing toolkits, like Ocean Discovery Day challenges, that show why we should care about the ocean, how we can change our attitude to plastic and waste and what we can all do to become plastic intelligent changemakers. This compliments the efforts of waste managers to increase recycling, and reduce plastic pollution.

For more information on the way we do this, or to become a partner, contact: hello@plasticoceansuk.com or follow us on social media @PlasticOceansUK and: www.plasticoceans.uk

Save the environment

Pink Elephant Group is looking for new locations to host its textile banks on rental bases and is promoting the message to the general public about the importance of considered use.

The company specialises in the collection and re-utilising of reusable clothes, shoes, accessories and small household items. Through this, Pink Elephant Group is working to provide financial streams to its partnering organisations, increase employment through expanding its and other organisations, and help the environment via various schemes and programs for material reuse. This admirable work is becoming ever more significant thanks to the steady rise in cheap disposable clothing that leads to thousands of tons of clothes and millions of shoes thrown away in the UK every year. This puts unnecessary pressure on our landfill sites, as most of these materials can be reused in developing countries, both saving natural resources and providing support to those who need it.

You can work with Pink Elephant through:
- The placement of a textile bank at your premises, to accept reusable items at no extra cost, that generates monthly rental income
- A charitable fundraising event, which generates donated goods to be sold at a retail price
- Collecting items locally at a workplace, public or private organisation to then sell to Pink Elephant Group
- Setting up a collection scheme, using posters and flyers to encourage local organisations and private residences to donate undesirable clothing for resale
- Regular yearly rental income
- Presence of a textile bank could attract more clients, and will show to the community how environmental & social responsibilities are met by local business.

Pink Elephant Group Ltd Company Reg. No: 10953255
28-32 Devonshire Road, Leicester LE4 0BF
T: 0116 326 3262 M: 07575 511111
E: info@pinkelephantgroup.co.uk
W: www.pinkelephantgroup.co.uk

FULLY AUTOMATIC ORGANIC WASTE COMPOSTING MACHINE BY NANJGEL GREEN

Nanjel Green is a manufacturer and exporter of a best in class fully automatic organic waste compost machine, which converts biodegradable waste into compost within 24 hours and has a 100% natural process. This technology reduces 80-90% volume at site and is the safest treatment of biodegradable waste – an approach toward sustainable development.

Key Machine Features:
- Inbuilt shredder
- Fully automatic machine with Siemens automation
- Compact in size
- Plug and play installation
- High quality organic compost ready to use in 24 hours
- 5.5 HP 3 phase fabrication
- Decentralised solution for organic food waste management
- No water discharge and no emission of harmful gases
- 100% natural 24 hours composting process

Fully automatic organic waste composting machine by Nanjel Green

Sustainability Today is sponsored by Bamford’s Waterblade – see them on page ST IV
Food-waste, at a local level, IS the next big push in how we can develop the circular economy!

Within many foods oriented businesses the volumes generated, every day, are an increasing challenge in the evolving debate as to what is available. For many businesses, it is still a need to dispose of food waste and most of it goes in the bin. Our ranges of Advanced Organic Digesters provide a green and cost effective way to manage food waste, from restaurants and canteens in the food industry. Horticultural waste such as grass cuttings and hedge trimmings, indeed, all things organic.

Waste is dumped into the machine and with the magic of a heat and a bacterial action the waste is digested. What you would get is an output that is useful as a high pressure stiffened design, including a high pressure stiffened design, explosion venting panels, anti-static filter bags and fully earthed filter support cages. The control panel incorporates a frequency inverter for efficient use of the main extraction fan to manipulate the extraction rates up to a maximum of 50,000m³/hr. A specifically designed HM screen on the panel also allows the customer to monitor the system easily with clearly defined alarms for each of the main components.

Despite battling against Storms Clara and Dennis during the installation on site, the Lührfilter Team successfully completed the installation and commissioning process within the tight footprint that was available. Minimal production down-time was also a huge issue for the client, so the ‘break-in’ was completed during a weekend with zero production losses.

Handel Rating Consultants

This was our 6th year at RWM but our 1st as an exhibitor and speaker. As a niche consultancy business specialising in the management and mitigation of business rates in the Energy from Waste sector, we assist many of the key operators in the sector with new work coming via referrals.

For us RWM offers a lot and is now an essential part of our calendar. This year we were ideally located at the heart of the Energy from Waste section, and had a busy two days seeing clients and dealing with a steady stream of enquiries.

We also used the opportunity to meet with representatives from trade bodies ABBA and REA along with their members and share knowledge with all the other great businesses present at the show.

This collaboration across all the specialisms is what RWM is all about, and we came away from the show better placed than ever to assist our clients manage the burden of rates.

So we were delighted to have been nominated by Sustainability Today for a stand award.

M: 07985 831859
info@handelrating.com
www.handelrating.com

Handel Rating Consultants
REDEUCING THE NUMBER OF BUSINESS RATES

APPs UK: Dealing with odour and dust related issues

APPs UK has been working nationally within the waste industry for a number of decades, dealing with minor odour and dust related issues by utilising our Airborne CD range of absorption technologies within a number of waste sectors – such as household waste, waste water, composting, food waste, quarries, C&D and IBA to name a few.

This is due to the friendly environmental nature of the product and the success of its absorption abilities. Furthermore, our Airborne Technology is endorsed by both the rail industry and London Underground to help remove ballast dust and Diesel Engine Exhaust Emissions.

We offer free site assessments, detailed reports and installation plans for our static equipment, which is suitable for both internal and external applications. We also offer a full range of mobile equipment, uniquely designed for all types of sites and their environments. This equipment is available for hire or purchase.

Our aim is to offer the best cost effective solution in static and mobile packages, tailored to suit the client's needs.

For any further information, please contact 01460 468888.

New abatement plant installation by Lührfilter Ltd

Lührfilter have recently installed and commissioned a replacement filter plant for Schunk Carbon Technology Ltd in Pudsey, West Yorkshire. Schunk are a global leader in the development, manufacture and application of carbon and ceramic solutions for industry. The new filter plant provides localised extraction for multiple carbon machining systems. The original filter was also supplied by Lührfilter back in 1986 (and was carbon machining systems. The original filter was also supplied by Lührfilter back in 1986 (and was

This made it even more worthwhile for our business, which is why we have already committed to RWM 2020.

So we were delighted to have been nominated by Sustainability Today for a stand award.

M: 07985 831859
info@handelrating.com
www.handelrating.com

Handel Rating Consultants
REDEUCING THE NUMBER OF BUSINESS RATES

APPs UK has been working nationally within the waste industry for a number of decades, dealing with minor odour and dust related issues by utilising our Airborne CD range of absorption technologies within a number of waste sectors – such as household waste, waste water, composting, food waste, quarries, C&D and IBA to name a few.

This is due to the friendly environmental nature of the product and the success of its absorption abilities. Furthermore, our Airborne Technology is endorsed by both the rail industry and London Underground to help remove ballast dust and Diesel Engine Exhaust Emissions.

We offer free site assessments, detailed reports and installation plans for our static equipment, which is suitable for both internal and external applications. We also offer a full range of mobile equipment, uniquely designed for all types of sites and their environments. This equipment is available for hire or purchase.

Our aim is to offer the best cost effective solution in static and mobile packages, tailored to suit the client's needs.

For any further information, please contact 01460 468888.

New abatement plant installation by Lührfilter Ltd

Lührfilter have recently installed and commissioned a replacement filter plant for Schunk Carbon Technology Ltd in Pudsey, West Yorkshire. Schunk are a global leader in the development, manufacture and application of carbon and ceramic solutions for industry. The new filter plant provides localised extraction for multiple carbon machining systems. The original filter was also supplied by Lührfilter back in 1986 (and was still operating successfully up until the changeover earlier this year), however, due to expansion at the Pudsey Site a larger unit was required.

The new filter plant incorporates ATEX Rated features to safely handle the carbon dust generated, including a high pressure stiffened design, explosion venting panels, anti-static filter bags and fully earthed filter support cages. The control panel incorporates a frequency inverter for efficient use of the main extraction fan to manipulate the extraction rates up to a maximum of 50,000m³/hr. A specifically designed HM screen on the panel also allows the customer to monitor the system easily with clearly defined alarms for each of the main components.

Despite battling against Storms Clara and Dennis during the installation on site, the Lührfilter Team successfully completed the installation and commissioning process within the tight footprint that was available. Minimal production down-time was also a huge issue for the client, so the ‘break-in’ was completed during a weekend with zero production losses.

T: 0121 353 0176
info@luhrfiltergb.com
www.luhrfiltergb.com

Lührfilter have recently installed and commissioned a replacement filter plant for Schunk Carbon Technology Ltd in Pudsey, West Yorkshire. Schunk are a global leader in the development, manufacture and application of carbon and ceramic solutions for industry. The new filter plant provides localised extraction for multiple carbon machining systems. The original filter was also supplied by Lührfilter back in 1986 (and was still operating successfully up until the changeover earlier this year), however, due to expansion at the Pudsey Site a larger unit was required.

The new filter plant incorporates ATEX Rated features to safely handle the carbon dust generated, including a high pressure stiffened design, explosion venting panels, anti-static filter bags and fully earthed filter support cages. The control panel incorporates a frequency inverter for efficient use of the main extraction fan to manipulate the extraction rates up to a maximum of 50,000m³/hr. A specifically designed HM screen on the panel also allows the customer to monitor the system easily with clearly defined alarms for each of the main components.

Despite battling against Storms Clara and Dennis during the installation on site, the Lührfilter Team successfully completed the installation and commissioning process within the tight footprint that was available. Minimal production down-time was also a huge issue for the client, so the ‘break-in’ was completed during a weekend with zero production losses.

T: 0121 353 0176
info@luhrfiltergb.com
www.luhrfiltergb.com

Lührfilter have recently installed and commissioned a replacement filter plant for Schunk Carbon Technology Ltd in Pudsey, West Yorkshire. Schunk are a global leader in the development, manufacture and application of carbon and ceramic solutions for industry. The new filter plant provides localised extraction for multiple carbon machining systems. The original filter was also supplied by Lührfilter back in 1986 (and was still operating successfully up until the changeover earlier this year), however, due to expansion at the Pudsey Site a larger unit was required.

The new filter plant incorporates ATEX Rated features to safely handle the carbon dust generated, including a high pressure stiffened design, explosion venting panels, anti-static filter bags and fully earthed filter support cages. The control panel incorporates a frequency inverter for efficient use of the main extraction fan to manipulate the extraction rates up to a maximum of 50,000m³/hr. A specifically designed HM screen on the panel also allows the customer to monitor the system easily with clearly defined alarms for each of the main components.

Despite battling against Storms Clara and Dennis during the installation on site, the Lührfilter Team successfully completed the installation and commissioning process within the tight footprint that was available. Minimal production down-time was also a huge issue for the client, so the ‘break-in’ was completed during a weekend with zero production losses.

T: 0121 353 0176
info@luhrfiltergb.com
www.luhrfiltergb.com

For any further information, please contact 01460 468888.
Spiral heat exchangers have become synonymous with the treatment of slurries and wastewater materials which have a high fouling risk, are viscous, or which contain fibres and solid materials. However, in many situations the performance of a corrugated tube heat exchanger is equal to or better than that of a spiral design. Not only that, but corrugated tube designs provide a number of additional benefits in terms of day-to-day operation and maintenance.

While some of the benefits claimed for SHEs hold true when they are compared to smooth tubular heat exchangers, the benefits diminish when compared to corrugated tubes of the type used by HRS Heat Exchangers, in the DTI Series.

Unlike SHEs, the tubes can easily be removed for inspection, cleaning and maintenance and a variety of flange connections are available. The unit is also made in easy-to-replace sections. Should the heat exchanger suffer internal damage, the failed section can be easily bypassed by moving the interconnecting bend, a replacement can be manufactured and fitted in short order. In contrast, a spiral is damaged, the complete heat exchanger must be removed to a workshop where many layers have to be cut out to access the point of failure. This is then re-welded and all the cut away sections must be re-welded into place. The cost is significant and downtime is many weeks.

In many situations, we believe that a corrugated tube heat exchanger, like the HRS DTI Series, is the best solution for challenging materials such as sludge. However, in the most extreme cases with a very high fouling risk, it will be necessary to use a scraped-surface heat exchanger such as either the HRS rotating F Series or the patented reciprocating Unicus Series.

In order to select the best solution it is necessary to accurately assess the physical properties of the product or sludge to be treated, as well as the service fluid, inlet and outlet temperatures and the amount of heat regeneration required (if any). When comparing specifications or quotations for different solutions – for example SHEs compared to corrugated tubes – it is important to make sure that you are comparing like-for-like and that the performance specifications are identical. You should also assess whether any gains in efficiency or lower capital cost will be offset by increased fouling or operational costs over the full life of the unit.

T 01923 335355
www.hrs-heatexchangers.com

The Waterblade is easy to fit and WRAS approved.

The HRS DTI Series of corrugated tube-in-tube heat exchangers is ideal for sludge applications.

Spiral heat exchangers are difficult to clean and service.

The HRS DTI Series has a proven record with difficult materials such as sludge and digestate.

Working to Raise Industry Standards

- N.S.A. Represents the interests of companies associated with the survey, operation, maintenance and prevention of sewers, drains and pipework.

- N.S.A. Acts as a forum for its members to ensure that technological developments go hand in hand with improved operating efficiency.

Standards
Pro-active in setting and maintaining high standards within the industry. Representing us standards and parliamentary committees and regular consultation on a broad range of legislative and regulatory matters.

Members
Our members range from government departments to swarms of public and private plumbing services such as:

- CCTV Inspectors
- Sewer Flow Surveys
- Hydrometric Surveys
- Drain and Sewer Cleaning
- Equipment Manufacture
- Training

For more information visit our website: www.sewerage.org or call Val Goodwin on 020 8330 0133

Clients delighted with water saving

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

Spiral or corrugated tube heat exchangers – which is best for wastewater treatment?

For use in difficult, complex, or general wastewater treatment applications, the choice between spiral and corrugated tube heat exchangers on the market is simple. The Waterblade is easy to fit and WRAS approved.

The Waterblade is easy to fit and WRAS approved.

The HRS DTI Series has a proven record with difficult materials such as sludge and digestate.

New wild flower products

The 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 wildflower establishment which has also been used and approved by The Royal Botanic Gardens, Kew.

Meadowscape Pro® allows for the creation of dynamic and biodiverse wildflower 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.

www.wildflowerturf.co.uk
T 01256 773222

Clients delighted with water saving

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

Spiral or corrugated tube heat exchangers – which is best for wastewater treatment?

For use in difficult, complex, or general wastewater treatment applications, the choice between spiral and corrugated tube heat exchangers on the market is simple. The Waterblade is easy to fit and WRAS approved.

The Waterblade is easy to fit and WRAS approved.

The HRS DTI Series has a proven record with difficult materials such as sludge and digestate.

New wild flower products

The 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 wildflower establishment which has also been used and approved by The Royal Botanic Gardens, Kew.

Meadowscape Pro® allows for the creation of dynamic and biodiverse wildflower 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.

www.wildflowerturf.co.uk
T 01256 773222

Clients delighted with water saving

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

Spiral or corrugated tube heat exchangers – which is best for wastewater treatment?

For use in difficult, complex, or general wastewater treatment applications, the choice between spiral and corrugated tube heat exchangers on the market is simple. The Waterblade is easy to fit and WRAS approved.

The Waterblade is easy to fit and WRAS approved.
The UK’s Low Carbon Business Rate Consultancy

In this issue of Sustainability Today we have chosen to select Handel Rating Consultancy as our Low Carbon Consultancy of the Month for the company’s ongoing encouragement and commitment to providing its clients with business rates consultancy services for the low carbon sector.

Established in 2015 by Chris Handel, Chris is a RICS Chartered Surveyor with 25 years’ of professional experience and is an expert in the low carbon energy generation sector. Chris and Handel Rating Consultants has gained an impressive reputation for delivering a top quality service for clients and has achieved market leading results in the sector across national portfolios and individual sites. Using his expansive knowledge, Chris has propelled Handel Rating Consultants into becoming renowned for securing substantial operating cost savings for renewable energy developers and operators including Biogener, Future Biogas, Ixora and Material Change.

Handel Rating Consultants is the only business rates advisors in the UK that is solely focused on the low carbon sector and helps to lessen the burden that business rates impose on the low carbon generation sector. "My sole purpose is to manage and mitigate the burden of business rates for the low carbon industry." Stated Chris Handel, "I undertake surveys and valuations for business rates and negotiate on behalf of my client, to challenge the methodology of the business rate authorities.”

Business rates in England, Scotland, Wales and Northern Ireland is a tax on the occupation of non-domestic property. Currently, business rates raise around £30 billion annually for the UK and act as an important source of funding for local services.

For many site developers, operators and owners of low carbon generators and recycling and waste management, business rates is now a very substantial operating expense. Providing a financial burden for its operators, business rates is a complex process to navigate and can even deter a developer from a project altogether. With this in mind, finding an experienced advisor to professionally manage the tax for ratepayers, provides a guided solution and can deliver substantial rates refunds and reduced tax bills for many years in the future.

With its industry expertise spanning across solar energy, combined heat and power, wind power and energy from waste; Handel Rating Consultants provides its clients with business rates valuation and negotiations cost management services to provide a proactive strategy to ensure that its clients benefit from the most competitive business rate charges in the sector. "It's all about ensuring that the operator isn’t paying more in business rates than they should.” Chris explained, "I help them to keep their tax as low and as affordable as possible.”

Handel Rating Consultants works closely with its clients and advocates on their behalf to appeal and negotiate reductions in rateable value. The company provides services for new developments, operational portfolios, changing physical circumstances, rates relief, and rates management and budgeting.

"The basis of tax is complicated.” Chris elaborated, "This form of taxation is continuously rising and it's important that business rate payers are well represented by a Chartered Surveyor with an extensive track record in this sector.”

Through Handel Rating Consultants services, Chris builds an understanding of his client’s business rate expenditure and implements ways to reduce the cost for the operator. The company’s services are designed to reduce costs, maximise tax reliefs and refunds, and manage future risk presented by this tax.

Chris has worked with a multitude of different clients throughout the UK, “I’ve worked with clients from individual farmers up to huge portfolios.”

In terms of recent developments, Chris is leading a significant class action challenging the rates valuation model used by rate authorities to assess rates charges for both food waste and crop fed AD plants. Chris’ test case has the potential to reduce operator’s rates bills by around a third. "My test case challenges are very significant for the sector,” Chris continued. "Settlement should be reached this year and in order for individual operators to benefit they must formally register and go through a check process. To do this without seeking assistance from a rating professional, risks inadvertently putting up your tax bill.”

Under the government’s new plan to tackle the effects of climate change, the UK plans to cut its greenhouse gas emissions to net zero by 2050. Embracing and encouraging this aim, Chris stated that business rates must not be prohibitive to this sector. Operators, site developers and owners need now more than ever to be encouraged to continue investing in producing low carbon forms of energy.

Speaking of the company’s future plans, Chris stated that Handel Rating Consultants plans, “to continue to be the UK leading advisor for this sector and to help implement the government’s net zero emissions target by 2050 by making business rates an affordable and reasonable tax across the low carbon sector.”

M 07985 813859
www.handelrating.com

Sustainability Today is sponsored by Bollegraaf – see them on page ST IX
Discover the shows that make up the series

The Contamination Expo Series has returned to Birmingham’s NEC, this year from 11-12 September 2020. This is our fifth pick of the best exhibitors from last year’s show, listed here in alphabetical order:

A&S International, Alert Technology, Root Barrier, Tanky Systems & UKATA. Further details can be found through an exclusive schedule of seminars.

The series encompasses seven different co-located events: the Land Remediation Expo, the Spill Response Expo, the Clean Air Technology Expo, the Hazardous Materials Expo, the Nuclear Decommissioning and Remediation Expo, the Geotechnical & Geoenvironmental Expo, and the Waste Water Expo.

The Contamination Expo Series returns to Birmingham’s NEC this year from 11-12 September 2020. This is our first pick of the best exhibitors from last year’s show, listed here in alphabetical order: 465 International, Alert Technology, Root Barrier, Tanky Systems & UKATA. Further details can be found on this page and the next.

www.contaminationexpo.com

Have you received asbestos training?

UKATA is a leading authority on asbestos training, not for profit association established in 2008 with a set purpose in mind: to be recognised as the asbestos industry’s most eminent training association.

The primary focus of the association is to ensure that its members offer the highest standards of training in order to raise much needed awareness of the dangers of asbestos. The success of UKATA has been driven by industry, which acknowledges that the standards delivered by UKATA members exceed those of many other bodies.

UKATA is a not for profit association established in 2008 with a set purpose in mind: to be recognised as the asbestos industry’s most eminent training association.

DENDRO-SCOTT™ Root Barrier, recognised by the Environment Agency, is known for its quality and reliability. It is flexible and adaptable, specified for all types of projects, from the very large, including new builds, to small residential projects. It can be easily jointed on site, using double-sided butyl tape. It is an excellent and proven way to protect structures and services from tree roots and Japanese Knotweed.

DENDRO-SCOTT™ Root Barrier comes in 27 stock sizes, from a small 1m x 10m roll, up to a 30m x 30m sheet.

DENDRO-SCOTT™ Root Barrier is used in various ways:

- Vertically, to prevent lateral intrusion of roots and rhizomes, to protect underground services and to prevent ingress from neighbouring sites
- Horizontally, to protect buildings and surfaces from vertical intrusion of roots and rhizomes, this includes installation below foundations
- Services, wrapped with root barrier membrane, to protect pipes, etc.
- ‘Cell’, to avoid the very expensive process of transportation of contaminated soil to a waste facility, licensed for Japanese Knotweed. To comply with Environment Agency guidelines on root spread of Japanese Knotweed, the quantities of spoil can be extremely significant. With a ‘Cell’, soil is retained within the site, reburied and completely sealed within a ‘Cell’ of DENDRO-SCOTT™ Root Barrier. The potential cost saving is enormous!

Tel: +44 (0)20 8254 5889
sales@rootbarrier.com
www.rootbarrier.com

www.contaminationexpo.com

VI

Sustainability Today is sponsored by Bamford’s Waterblade – see them on page ST IV
New data loggers detect water losses early

Thanks to systematic monitoring of the network with Herman Sewerin’s SePem® data loggers, you can reliably identify existing leaks and catch new ones early on – much faster than with conventional methods.

In practice, many months often go by before the size of the damage is great enough to produce a flow volume that can clearly be identified as a leak.

The SePem® 100 data loggers with integrated aerial are perfect for mobile use in the water pipe network. They are placed on fittings at measuring points in a specified section of network and record the level for a programmable period of time during the night. The measurement data is transmitted to the SePem® 01 Master by radio. Notably high measurement values indicating a leak are immediately flagged up by an audible signal. The data loggers are then successively inserted in other sections of the network until the whole network has been checked.

The SePem® 150 data loggers are designed for the stationary monitoring of water supply networks. They have an external aerial and are permanently fixed to fittings. The SePem® 150s record the minimum level every night for a programmable period of time. The locations are periodically patrolled, for instance daily or weekly, when the noise loggers send their data telegrams to the SePem® 01 Master.

*Source: International Journal of Environmental Research & Public Health, PMID 29772681, 15 May 2018

Contamination Expo Series Review Top 10

ALERT to return to Expo in 2020

After its hugely successful and award-winning launch at the Contamination Expo 2019, Alert Technology Ltd are set to return to the show in 2020 with their world-first and real-time warning device for airborne asbestos, the ALERT PRO 1000®. Not only does this portable life-saving technology warn of all types of airborne asbestos, it provides instantly available downloadable time and date stamped reports, making it an industry-changer in the fields of professional asbestos consulting, surveying, testing and abatement.

Saving down-time and money across more than 30 sectors globally including demolition, construction, waste management and emergency services, it offers those most likely to disturb asbestos-containing materials a final line of defence by providing an early warning to prevent prolonged exposure to the world’s biggest occupational killer.

With asbestos-related diseases claiming the lives of over 255,000 people globally every year, of which 33,000 are attributed to work-related exposure, the company’s aspiration is that no one should have to put their health at risk by unknowingly being exposed to airborne asbestos fibres at work.

The ALERT PRO 1000 is market-ready and available to order. Alert Technology also has exciting opportunities for distributors across multiple industry sectors within the EU, as well as great investment and recruitment opportunities.

To find out more about ALERT and our investment or distribution opportunities, visit: www.asbestos-alert.com or contact Loretta King, Marketing & Communications Director, Alert Technology Ltd T 01803 546282 M 07871 589749 Loretta@asbestos-alert.com

Oil Spill Eater II

Oil Spill Eater II (OSE II) is the world’s most environmentally safe and cost-effective bioremediation product for the mitigation of hazardous waste, spills and contamination.

OSE II is an environmentally safe clean-up method because it uses nature’s own bioremediation process to effectively eliminate hazardous materials. OSE II is not a bacteria (bug), fertiliser or dispersant product. It is a biological enzyme that converts the waste into a natural food source for the native bacteria found in the environment. OSE II will reduce clean-up costs and permanently eliminate the hazardous waste problem with no secondary clean-up required. The end result is only CO2 and water.

Once the OSE II has been applied to naturally occurring water at a mix ratio of 1:50, several important changes take effect almost immediately:

1. The fire hazard has diminished.
2. The toxicity of the spill is rapidly diminished.
3. The odour or smell is almost non-existent.
4. The oil or spill will no longer adhere to anything.
5. The spill is caused to float; OSE II will prevent the oil from sinking.

For more information on Oil Spill Eater II, its capabilities & availability in the UK, please contact the team at A&S International Ltd: www.aandsinternational/our-brands/oil-spill-eater-II

New contract for Bluewater Bio

Further to recent contract wins in its three strategic global locations, Bluewater Bio Limited, a leading provider of treatment solutions to the water industry, has been awarded a US $56.5 million contract with the Ministry of Works of the Kingdom of Bahrain to further upgrade and expand the Tubli wastewater treatment plant, which is the largest in the country, serving a population equivalent of c. 1.6 million. Bluewater Bio will be responsible for all aspects of engineering, acting as EPC contractor and technology supplier.

Contract duration will be 22 months. Following completion Bluewater Bio will operate and maintain this new plant along with another HYBACS plant installed 5 years earlier. This new project marks the company’s second contract with the Ministry of Works at Tubli Bay which will deliver a further 120 MLD uplift in treatment capacity, bringing the total treated to 250 MLD. The project is being funded by Export & Finance (UKEF).

This follows the earlier installation of the company’s HYBACS technology, which has exceeded the Ministry of Works’ expectations for quality, reliability and performance.

Now that Bluewater Bio’s technologies are referenced and other installations are under way in Saudi Arabia, it is the ambition of the company to continue its growth strategy and thus use Bahrain as an important base and hub for the region.

HYBACS augments the widely-implemented activated sludge process with the core benefit being that it enables an existing activated sludge plant to be rapidly upgraded to increased capacity and performance, by simple offline installation of SMART Units.

Contact: Curtis Calliva T +44 (0)1803 546262 curtis.calliva@bluewaterbio.com www.bluewaterbio.com

Oil Spill Eater II

Surfactant-free, quickly biodegradable and environmentally friendly, the OSE II reduces the oil-spill’s environmental impact almost immediately. It is a biologica
Student CO$_2$ team combating the effects of climate change

February has seen the devastating impact of flooding on individuals and communities, with many of us asking, what can we do to help?

As we embark on a new decade, the world is witnessing the very real and alarming effects of climate change, including rising temperatures, extreme weather and unpredictable patterns, to name a few examples. The phrase ‘think global, act local’ has never been more poignant, as the need for countries to look at their carbon footprint becomes a necessity.

The long-term solution is to, as a nation, reduce our carbon emissions.

Within the UK, the public sector is a significant consumer of energy and is leading the way in transforming its buildings to become as efficient and sustainable as possible, with the installation of energy efficiency technologies being one of the most obvious solutions to ensure spaces are running at the lowest possible cost to the public purse.

One way to do this is to take a holistic approach to reach optimum levels of efficiency, driving down carbon consumption and energy bills simultaneously. School buildings, as an example, have extended opening hours and often run into evenings and weekends as they house various clubs within the community. There is a need to drive down bills whilst maintaining the most comfortable learning and working environment for students and staff alike. Government funded organisation Salix Finance offers interest-free loans to the public sector to reduce their energy bills and carbon consumption. The finance is used to purchase energy efficient technologies, whilst the savings achieved are used to repay the loan, meaning there is no expense to the school. What’s more, once the repayments are made, the school can go on to benefit from the savings, to spend on resources of their choice.

At the heart of this change are young people. Parrs Wood High School, a specialist technology college in Manchester, is an inspiring example of how students can pioneer grassroots change. The school has its very own dedicated CO$_2$ team; an ambitious group of sixth form students with a passion for sustainability who are taking action to cut the carbon emissions of the building. Crucially, they recognise that the use of lighting and heating is carbon intensive and will eventually contribute to the earth’s temperature increasing if action is not taken. They hope to empower their fellow classmates to become more environmentally mindful, whilst they push for a whole-school behavioural change approach.

Each week, the team meets in their science classroom to discuss all things green and how to reduce their carbon footprint, with some of them aiming to study sustainability-related subjects at university. It is the CO$_2$ team, led by their physics teacher and energy manager, Chris Baker, who wrote the application for funding, to upgrade multiple measures. The application for funding included savings calculations, reviewing the best placed energy efficiency technologies and acquiring quotes for their implementation.

Using a loan of £236k, Parrs Wood upgraded lighting and lighting controls, as well as installing a building energy management system (BEMs), automatic doors and insulation. The total works are expected to reduce energy consumption by 45%, whilst saving £52k and 286 tonnes of carbon annually. The loan will repay itself in 4.5 years, leaving the school free to benefit from the financial savings.

Of the CO$_2$ club, ambassadors Mish and Megan say, “We joined the CO$_2$ team to make a positive impact on the environment (before it’s too late!) and gain real life work experience in school. It is very interesting work, and we enjoy being part of the team.”

There is a need for us all to act before it is too late. Salix has worked in partnership with the public sector since 2004, and is looking to build long term relationships with public sector bodies to take a holistic approach to energy efficiency.

To talk with the dedicated team about how they can help, please visit: www.salixfinance.co.uk

---

How to save energy using inverters to control fan speed

Better control of fan speed means better control of energy consumption and energy costs

How do inverters save energy?

Reducing the speed of the motor will reduce the amount of energy needed to power it. The reduction in energy can be by as much as 8 times the reduction in speed. The resulting energy savings usually pay for the inverter in a relatively short period of time. If you have details of your electricity prices and the usage of your equipment we can give you the approximate payback time.

What other benefits can inverters have on the fan system?

Whilst inverters play a key-role in energy saving initiatives, there are further benefits to speed control. Reducing the amount of time that the motor runs at full speed will reduce the strain on your motor and any related components. The motor only works as hard as it needs to, so helping to prolong the service life of the motor and the whole system. This results in lower maintenance requirements and, again, lowers costs.

Axair’s inverter models can run off a 230/1/50 electrical supply and convert it to a 230/3/50 supply into the fan motor. Other models run off a 400/3/50 supply with a 230/3/50 to the fan motor.

If you need to discuss your fan applications, please do not hesitate to contact our team on 01782 569150 or email: sales@axair-fans.co.uk

---

Macushla Enterprises

Efficient, Cost-effective Renewable Project Support and Development.

Smart thinking experts with years of engineering experience.

End-to-End Support

Multidisciplinary experts with the specialist knowledge and skills required to ensure projects are completed efficiently and to the highest standard. For all your renewables projects - we can do all the legislative compliance studies and safety case AND all the safety system hardware design and loss prevention. Covering safety, risk, environmental impact, integrity, legislation and due diligence.

Services to Match Your Needs

Focused on business goals and project progression. Ensuring a detailed understanding of requirements, planned progression and project risks.

Value Driver

Efficient, cost-effective; timely quality; trusted by offshore renewables developers and their investors. Capable of meeting your goals in the rapidly evolving renewables sector.

www.macushlaenterprises.com | Macushlamlc@gmail.com | 07803 331811
Kobus Services signs major agreement for Netherlands pipe removal

Established in 2005, Kobus Services designs, manufactures and supplies unique trenchless pipe pulling equipment to the gas and water utility industries for the replacement of lead, copper, steel and PE service pipes. Kobus offers two types of pipe puller. The first, and the original, is the KPP300. This product is modular for ease of handling and is driven from its own, separate hydraulic power pack, making it ideal for sites where there is limited access. The second Puller is the KPP400, the ‘big brother’ of Pullers that mount on an excavator and is powered by the auxiliary hydraulics of the excavator.

This innovative equipment offers numerous benefits, including reducing the risk of damaging surrounding utilities. “The method is simple,” explained Simon Drain, Business Unit Director. “Our equipment requires two small excavations at each end of the pipe, the cable goes in the pipe and then the puller pulls out the pipe using the cable. This reduces the risk of damage to nearby utilities as the new pipe is installed through the bore hole created by the old pipe.”

What’s more, Kobus’ trenchless method is far better for the environment, as it involves the removal of the old pipe from the ground rather than leaving it there. It can then be recycled, recovering the cost through scrap metal, as well as removing environmental waste. The equipment also uses less time and money, causes less disruption to local residents, less traffic disruption, less digging for workers, and reduced reinstatement costs to return the surroundings to their original condition.

Pipe replacement is becoming increasingly important, and Kobus’ innovative equipment is playing a huge role in this movement. In fact, the company has recently signed a distributor agreement with Infra Elite BV to be the exclusive distributor of Kobus’ products in the Netherlands.

“The Dutch government has plans to change homes from using natural gas to low carbon fuels. At the moment, 90% of homes in the Netherlands are using natural gas, and the government wants to make the switch by 2050. This ‘energy transition’ means there is a great need for the removal of natural gas service pipes across the Netherlands, and Kobus is a big part of this undertaking.

“We are also seeing a lot of activity in the UK market. The UK water regulator, Ofwat, is becoming more stringent on water leakage, so water companies are increasingly looking at replacing pipes rather than repairing, and our equipment can do this with minimal disruption.”

Indeed, as Kobus says, ‘the proof is in the pulling’, and the company is seeing continued growth across the world. As well as the recent distributor agreement in the Netherlands, which is an excellent opportunity for Kobus, the company also set up its US subsidiary in July 2019 and has since opened a facility in Kalamazoo, Michigan, trading as Kobus Inc. This is helping to offer further sales, manufacturing and customer support across the US, where there is currently a pressing need for the replacement of lead water pipes.

“We’re looking to expand more in the US and mainland Europe, as well as in Australia and New Zealand,” Simon explained. “We’re searching for similar partnerships to the one with Infra Elite in other parts of mainland Europe and beyond.”

Kobus Services will be exhibiting at the No Dig Show in Denver, Colorado in April this year, as well as at ConExpo in Las Vegas in March. If you would like to find out more information, head to the website or get in touch using the contact details below.

T +31 (0)596 65 43 33
sales@kobusservices.com
www.kobuspipepuller.com

Sustainability Today is proud to announce that Bollegraaf Recycling Solutions has been selected as our Recycling Solutions Company of the Month, for its outstanding range of recycling technology which is helping to drive the green agenda.

Bollegraaf was established in 1961. After producing vertical balers, which became renowned for their high quality, Bollegraaf began developing its technology with sustainability in mind. The range quickly grew from vertical, via semi-automatic to its current fully automatic baler with a pre-press flap. The concept quickly took hold, leading to Bollegraaf growing from a small Dutch business into a multinational company, and it is now a global player in recycling and waste processing equipment.

“We design and build high quality recycling solutions for any kind of waste,” explained Leendert Rijneveld, Marketing Manager. “We work closely with our customers to design a solution to best suit their needs, so everything is made bespoke for each individual company. We’re a well-known recycling partner and have a proven track record across the world for delivering high quality solutions. We always receive great feedback from our customers, who pass on their recommendations to others, so we have a loyal customer base and see a lot of organic growth thanks to this.”

Since its inception nearly 60 years ago, Bollegraaf has expanded its product range significantly, and it now includes complete sorting installations and recycling products that are developed by the company’s in-house team of designers and engineers. These leading solutions are ideal for the processing of wastepaper, plastics and a vast range of commercial & industrial and domestic waste.

In addition to this, Bollegraaf supplies single products and components, including conveyor belts, sorting belts, magnetic and pneumatic sorting systems, drums and screens for sorting installants.

All of Bollegraaf’s equipment is created with the goal to optimise economic value with the lowest possible costs per tonne, helping to ensure permanently low operating costs for a fast return on investment in the long-term. Indeed, recycling is all about recovering value from resource recovery, and Bollegraaf believes there is no such thing as waste, only resources with potential value. This inspiration is what drives the company’s operations, helping to add value to the recycling industry and contribute to saving the world’s limited resources.

“Recently, we’ve seen a big increase in the amount of plastic that needs to be recycled,” Leendert said. “People are going for more robotic techniques in regards to this, which Bollegraaf can supply, and we are also seeing increasing interest from companies in Africa who are looking for innovative recycling solutions.”

Bollegraaf’s reliable and innovative equipment removes plastics from waste, minimising the risk to landfill. It can also work with existing combined waste streams and in specialist plastic-only sorting installations.

Maintaining a busy calendar of events every year, Bollegraaf will be attending IFAF München on 7-11 September, Plastics Recycling Amsterdam 27-28 October and Pollutec, Lyon on 1-4 December.

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

Contact
T +31 (0)596 65 43 33
info@bollegraaf.com
www.bollegraaf.com
The Advanced Propulsion Centre unveiled a new way of testing connected and autonomous vehicles. A demonstration showed Autoware-based software on a Millbrook facility, and Parkopedia showcased autonomous valet parking. The self-driving vehicles, from passenger cars to buses, were integrated with mechanical, software development, and testing to form a new centre for testing connected and autonomous vehicles. The new system aims to prevent any defects in driverless cars and protect them from cyber-attacks.

Millbrook officially opened its Autonomous Village, a new centre for testing connected and autonomous vehicles (CAVs). The Autonomous Village comprises of six purpose-built workshops designed to support mechanical, integration and software development for self-driving vehicles from passenger cars to buses.

Parkopedia showcased autonomous valet parking. The demonstration showed Autoware-based software on a Streetview accurately controlling a vehicle by following waypoints.

The Advanced Propulsion Centre unveiled a new

A sustainable aesthetic

The history of automotive innovation has been marked by a stark choice between the beauty of the car and its impact on the environment. When electric cars first arrived, car-lovers sacrificed the sleek line of those petrol-driven vehicles in favour of the bonnet-backed alternative. The beauty of a car shouldn’t take privacy over the environment, but it certainly made the introduction of electric cars more difficult.

Design has moved on and there is beauty in electric cars now – with only limited aesthetic compromise for some fixtures and fittings.

Now, with the introduction of Automotive Idea’s SSD (Swing-Slide-Door) the chance for the ultimate luxury has arrived – you choose to buy – including your electric car. The enhanced aesthetics of SSD, with no visible rails, mechanisms, or moving parts on the vehicle bodyside, will not collide with a floor-mounted battery system.

Yet, it is clear that the SSD design is a revolution in style and safety for all cars. Not only is there the sleek and contemporary look and increased aerodynamic performance, it is also easier to exit the vehicle should there be an accident.

In a world where change is inevitable, the essential strength of SSD is its adaptability. Whether you select a petrol, electric or autonomous car – the Swing-Slide-Door can be fitted with minimal modification to the vehicle interior.

info@automotiveidea.com
www.automotiveidea.com

Advanced Chemical Etching

Advanced Chemical Etching is a key critical supplier to the renewables sector, with our ability to produce specialist prototypes and low volume components in short time scales helping us to secure work across the world utilising our unique and innovative photo etching processes.

Working with many customers from the alternative energy sectors, we use the flexibility of photo etching to supply parts in many different types of metal and thicknesses, ranging up to 2.5mm.

We can also control many unique features to the etching process and additional operations, such as forming, coating with special materials, brazing, bonding and assembly of parts.

Components we produce range from new types of home heating products and aircraft cooling systems to ice protection heater element, electric vehicle busbars and bipolar fuel cell plates and wind turbine components. Finished components are completely burr and stress free and can be supplied in metals, including aluminium, titanium and stainless steel, as well as a range of nickel-chromium super alloys.

For EV applications we are able to utilise our etching process to thin down selected areas on components which give multiple added benefits of weight down and ease of further sub assembly.

T +44 (0)1952 416666
info@ace-uk.net
www.ace-uk.net

Expleo: Sustainable automotive solutions

The global energy sector’s transition from fossil-based fuels to zero carbon by the second half of this century is a critical challenge for many industries, not least in automotive. The sector is turning to electrification as the answer: by 2040, more than half of new passenger and light commercial vehicle sales worldwide will be electric, a 2019 report by Bloomberg New Energy Finance predicts. Global worldwide electric vehicle (EV) sales are expected to reach 56 million units by then, from just a few million last year.

To support this momentous transition, Expleo is harnessing its unique positioning as both an energy and integrated engineering solutions expert to help automotive clients innovate and capture the many opportunities that exist in this era of unrelenting technological change.

One of the ground-breaking innovations Expleo is currently supporting major vehicles manufacturers (OEMs) with in the UK is Vehicle to Grid (V2G) technology: a reversible charging solution that can not only power electric vehicles but enables them to send surplus electricity back to the grid, as a source of renewable energy.

Other sustainable solutions our engineering experts are able to support include energy-efficient EV charging points, light weight engineering technology, electrical power and signal distribution, as well as environmental, electromagnetic and climate tests & compatibility.

To find out more, come and visit us at the Cenex-LCV (Low Carbon Vehicle) conference 9-10 September 2020, where we will be exhibiting on stand C4-101, or contact us at uk-automotive@expleogroup.com or call +44 (0)147 987 6000 or visit: www.expleogroup.com
The period 2020-2030 has been named the Decade of Action by the UN, and the UK is keen on playing a critical role in making this happen in the year. It hosts the COP26 Climate Change Meeting in Glasgow in November. A global effort is required to cut our emissions by 2050 – with each country delivering on its full decarbonisation capability – and the UK has to lead by example. Given the industry’s potential to reduce global emissions by over 12% using technology that exists today, the next 10 years need to be the ‘biogas decade’.

Arnold Plant Hire offers a large range of equipment to support various industries. With the AD & Bio Fuel Industry being an ever growing market, it is equipped with a large fleet ranging from heavy duty tele-handlers, loading shovels, teletrucks and materials handlers – all packaged with reverse fans, tyres that grip on greasy surfaces, and large buckets to support customers and applications. When the machines are operating on sites, having to load on demand, and ensuring the process is efficient, the uptime of the products is critical. Arnold Plant Hire understands this and offers the support to mirror both customer expectations and site requirements.

If you couple the equipment Arnold Plant Hire offers with its flexible approach, getting up and running with new projects couldn’t be easier. This allows the investment to go into the processing plants and not towards a commitment to equipment that may be right at the start but needs to be changed later.

It is often the case that the demands of handling within the operation increase or alter; so different products are required. Arnold Plant Hire’s flexibility allows the customer to do this, without having to contract finance houses for settlements. It is more than happy to work and grow with its customers.

T 03300 416212
www.arnold-plant.co.uk

Handling your future today

For over 30 years AFM Solutions has been offering long and medium term finance for all your sustainable energy needs.

Cash neutral asset finance for your energy needs

For over 35 years AFM Solutions has been offering long and medium term finance for all your sustainable energy needs.

For further information about our services, please call today 01858 767 777 or visit our website on www.dragondrilling.co.uk

www.arnold-plant.co.uk

www.sensorsalphasense.com

www.process-combustion.com

Contact us for a free quotation on +44 (0)1423 879944

Northern Ireland Architectural Loadbearing Solutions

Classifieds

The DriveOn V-Tech Dry Wheel Cleaning System from Ecogreen Plant Hire Ltd

Odour Control Systems

Sensors Technology

Water & Waste Water Solutions

Waterless Wheel Cleaning

Water Boreholes

Transfer Systems

Energy Saving Solutions

Electronic Repair

Finance

Process Combustion

Combustion & Heat Transfer Systems

Specialists in Water Boreholes and Ground Source Heating

Water Boring and Ground Source Heating

Water Management

DRAGON DRILLING

In Water Boreholes and Ground Source Heating

Water Drilling

‘Join the revolution. Let’s get Ireland clean from energy poverty’

Environmental Construction Solutions Limited

Specialists in Surface & Waste Water Management

Advice - Design - Manufacture - Supply - Installation

Commission - Service - Repair

www.ecs-sales.co.uk  03456 233332

Sustainability Today is sponsored by Bollegraaf – see them on page ST IX

Rebrand of the UK biogas tradeshow

To reflect the huge global potential of this technology, and encourage its worldwide adoption, ADBA and WBA have decided to rename the annual tradeshow ‘the World Biogas Expo, hosted by ADBA and WBA’ from the 2020 edition onwards. This aligns the event with the co-located World Biogas Summit, also hosted by ADBA and WBA.

The renamed World Biogas Expo 2020 returns this year to Birmingham’s NEC from 1-2 July. This is our third pick of the best exhibitors from last year’s show, listed here in alphabetical order: APC Fortis. Further details can be found on this page.

www.biogastradeshow.com

www.fwb.co.uk

www.sensorsalphasense.com

www.process-combustion.com

sensorsalphasense.com

www.operationall.co.uk

Email: sales@wfb.co.uk  Tel: 01928 579473

mbaker@afmgroup-solutions.co.uk

mbaker@afmgroup-solutions.co.uk

We will beat any like-for-like quotation*

www.dragondrilling.co.uk

www.alfasense.com

www.alfasense.com

The DriveOn V-Tech Dry Wheel Cleaning System from Ecogreen Plant Hire Ltd

08000 320437

info@ecogreenplanthire.co.uk

www.alfasense.com

www.alfasense.com

+44 (0)1423 879844

mail@process-combustion.co.uk

www.process-combustion.com
Working hard today to enrich the world of tomorrow

Sustainability Today is proud to announce that Dunton Environmental has been selected as our Environmental Remediation Company of the Month, for its outstanding commitment to enabling and empowering its clients’ build sites to help restore and protect the environment.

Established by Neil and Lara Roe, Dunton Environmental is a specialist in solving complex ground problems in the construction and land development industry, challenging traditional thinking and continuously developing new ideas to deliver real programme and cost benefits. With big name clients such as Persimmon, Crest Nicholson, Willmott Dixon, and Berkeley Group, Dunton Environmental has an enviable reputation within the industry, thanks to its admirable mission to ‘bring the world to life’.

Based in Walsall, Dunton Environmental’s expert services are helping businesses and communities across the globe to regenerate vital natural resources. In the UK, the company is using its expertise to alleviate environmental and financial stress for its customers, working in partnership with them to help achieve their programmes both on time and on budget.

Indeed, Dunton Environmental is of the firm belief that a sustainable environment is not optional; it is integral to the wellbeing of the world today and for future generations. Dunton Environmental is helping to achieve this through a variety of means, whether this is safely regenerating waste material to power nations, enabling sustainable construction projects, or restoring land to support wildlife and communities.

“We offer cost-efficiency through innovation, and we pride ourselves on being able to deliver our projects on programme,” explained Jonathan Millington, Marketing Manager. Indeed, increasing numbers of clients are choosing Dunton Environmental thanks to the company’s trusted and reliable reputation, with the guarantee that it can turn their build site challenges into their greatest successes.

What’s more, D-Found’s benefits reach further than simply saving time and money. Thanks to the simplicity of remediating and re-engineering natural ground conditions, D-Found is an environmentally friendly solution as well, with all site materials being used to avoid unnecessary disposal of unsuitable or contaminated soil.

As a fully designed and engineered solution, D-Found is a proven system which offers guaranteed structural settlement criteria. Thanks to Dunton Environmental’s years of experience delivering foundation solutions, its innovative systems easily meet industry settlement norms and offer clients unmissable benefits.

In order to cope with its continued expansion, Dunton Environmental recently moved into a new head office, Soterion House. After spending 10 years in its previous head office in Perry Barr, the company dedicated 2019 to the refurbishment of its own, brand new and state of the art headquarters in Aldridge. Starting out as an extremely dated building, Soterion House is now one of the most modern, creative and stylish office buildings in the North Birmingham area, after Dunton Environmental’s transformational refurbishment.

As well as a more pleasing work environment for Dunton Environmental’s staff, this new larger premises will help to facilitate the continued growth and expansion the company will inevitably see in the coming years.

In addition to its leading efforts to restore and protect the environment, Dunton Environmental also carries out considerable Corporate Social Responsibility work, supporting charities across the world. Indeed, the company believes that it must use its success and position as a platform to change the lives of the world’s most vulnerable people and places.

Through its non-profit organisation, Hope Alive, Dunton Environmental provides funding, resources and hands-on time to a multitude of charities covering a vast range of causes. One of the company’s recent projects was a Hamper Appeal in December 2019. 15 years ago, Dunton Environmental created the first ever ‘Hope Hamper’, and since then, funds raised every year by its Hope Alive charity are used to create Christmas ‘Hope Hampers’, which are filled with everything needed to create a special and magical Christmas for struggling families.

If you would like to find out more information on everything Dunton Environmental has to offer, and how it can help you solve your complex environmental problems, head to the website or get in touch using the contact details below.

T +44 (0)121 356 4360
info@duntonenvironmental.co.uk
www.duntonenvironmental.com

If you would like to find out more information on everything Dunton Environmental has to offer, and how it can help you solve your complex environmental problems, head to the website or get in touch using the contact details below.

T +44 (0)121 356 4360
info@duntonenvironmental.co.uk
www.duntonenvironmental.com

If you would like to find out more information on everything Dunton Environmental has to offer, and how it can help you solve your complex environmental problems, head to the website or get in touch using the contact details below.

T +44 (0)121 356 4360
info@duntonenvironmental.co.uk
www.duntonenvironmental.com

If you would like to find out more information on everything Dunton Environmental has to offer, and how it can help you solve your complex environmental problems, head to the website or get in touch using the contact details below.

T +44 (0)121 356 4360
info@duntonenvironmental.co.uk
www.duntonenvironmental.com

If you would like to find out more information on everything Dunton Environmental has to offer, and how it can help you solve your complex environmental problems, head to the website or get in touch using the contact details below.

T +44 (0)121 356 4360
info@duntonenvironmental.co.uk
www.duntonenvironmental.com