

# UK Expertise in Water, Waste and Low Carbon Sectors

*Liverpool and Leeds link canal*

*Britain leads the way in effective water management. For expertise in delivering world-class sustainable water solutions, choose the UK*



*Roseisle Scotch whisky distillery  
Speyside*



*Diageo's state of the art bioenergy  
plant generates renewable energy  
from its co-products saving 10,000  
tonnes of CO<sub>2</sub> per annum. For cutting-  
edge environmental technologies  
choose the UK.*



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## Company Profiles

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UK Trade  
& Investment

### *UK Trade & Investment*

UK Trade & Investment is the Government Department that helps UK-based companies succeed in the global economy. We also help overseas companies bring their high-quality investment to the UK's dynamic economy acknowledged as Europe's best place from which to succeed in global business.

UK Trade & Investment offers expertise and contacts through its extensive network of specialists in the UK, and in British High Commissions and other diplomatic offices around the world. We provide companies with the tools they require to be competitive on the world stage.

Please contact us for assistance in sourcing UK products or services and for introductions to potential partners



## Company Profiles

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**UKTI**

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## Company Profiles

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### *Scottish Development International*

Scottish Development International (SDI) is the international arm of Scotland's enterprise agencies. We can offer significant financial incentives and other assistance to help international companies to establish and grow their business in Scotland and worldwide. This can include support to:

- Identify and secure the skills and talent you need
- Train and develop staff
- Finance capital investment, innovation and research & development
- Improve manufacturing and energy

We also support Scottish companies to trade overseas, introducing them to local partners, industry contacts and potential customers to help them establish and grow their presence in Singapore and the wider South East Asia market.



## Company Profiles

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**SDI**

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## Company Profiles

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**BRITISH WATER**  
*expertise worldwide*

### ***British Water***

British Water is the lead organisation for the UK water and wastewater industry, representing just under 200 of the most active companies in the sector. Members are able to deliver custom-made solutions to all technical, financial, legal or administrative specifications for water and wastewater related projects.

The UK water industry has more than 150 years' experience in managing water supplies and providing wastewater treatment. Skills attained have been shared and developed with countries worldwide in areas such as water and wastewater treatment; regulation; investment, risk and asset management; project delivery; legal and contractual negotiations; specialist training and research; and operational efficiency.

British Water is pleased to once again be supporting UK companies at SIWW 2016 and to building relationships with existing and new partners



## Company Profiles

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### **British Water**

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# Company profiles

## A - D





## Company Profiles

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### *AlbaGaia – HydroSense*

Manufacturer of a breakthrough technology for the rapid detection of Legionella. The Hydrosense test provides results on site within 25 minutes, compared to lab tests which usually take 14 days. The test is supported by a smartphone test reader app and an online Logbook, which makes Hydrosense Legionella testing one of the most complete in the world today.

- Hydrosense – real time risk management of Legionella
- Rapid – the world's fastest Legionella test
- On site – no transportation of samples, immediate on-site results
- Simple to use – no specialist training required
- Accurate – more accurate than lab testing for the most dangerous Legionella strain
- Control – record and report results with the HydroSense Smartphone App test Reader



## Company Profiles

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### **AlbaGaia – HydroSense**

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## Company Profiles

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# ARUP

### *Arup*

Established in Singapore since 1968, Arup is a global design, engineering and business consultancy with more than 12,000 staff spanning 92 offices in 40 countries around the globe. Arup has a reputation for pioneering innovations and for fresh approaches to age-old challenges. Our creative spark and intellectual independence forms the fabric of our culture. We pursue quality and excellence which is reflected in the impressive portfolio of iconic and award-winning developments including Singapore Sports Hub, Marina Bay Sands, The Helix, Singapore Flyer, Sydney Opera House, and the Beijing National Stadium. In Singapore, Arup's success is founded on delivering Arup's global expertise locally and we now have over 300 staff offering a range of specialist disciplines unparalleled in this market.



## Company Profiles

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**Arup**

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## Company Profiles

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### *Arcadis*

Arcadis is the leading *global Design & Consultancy firm for natural and built assets*. Applying our deep market sector insights and collective design, consultancy, engineering, project and management services we work in partnership with our clients to deliver *exceptional and sustainable outcomes* throughout the lifecycle of their natural and built assets. We are 27,000 people active in over 70 countries that generate €3.4 billion in revenues. We support UN-Habitat with knowledge and expertise to improve the quality of life in rapidly growing cities around the world. *Arcadis. Improving quality of life.*





## Company Profiles

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### Arcadis

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## Company Profiles

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### *Arvia Technology*

Arvia Technology provides innovative advanced water and wastewater treatment with its Organics Destruction Cell (ODC™) Systems. The ODC™ removes recalcitrant organics to ensure water quality is compliant with local wastewater discharge regulations or for re-use in industrial processes. The Arvia system is able to achieve this without generating any secondary waste stream and without the use of chemicals. It is modular and has no moving parts, suitable for both newly-built water and wastewater treatment plants, as well as for retrofitting into existing projects. Arvia's ODC™ System is the future of intelligent water and wastewater treatment.



## Company Profiles

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### Arvia Technology

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## Company Profiles

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### *Aurora Consulting*

Aurora Sustainability Ltd is a Scottish company, consisting of sustainability advisory and trainers with a number of associate partners. Aurora aims to facilitate the transition of organisations towards sustainability through the whole life-cycle of Sustainability Strategy. Main areas of business are resilient food systems, land-remediation and 'living learning' by practical examples and design for that goal. Aurora helps to increase sustainability and circular economy values, supporting and connecting companies and people in sustainability, corporate responsibility, environment, food, water, health and energy.

- Innovative business model with trainings in extending resource value of services and products.
- Production of high value mushrooms for food trade with coffee chains, whisky distilleries, and renewable energies.
- Supporting establishment of biodiverse forest-ecosystems and land-remediation finding adaptable models.



## Company Profiles

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### Aurora Consulting

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## Company Profiles

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EXPERTS IN FLUID ENGINEERING

### ***BHR Group***

BHR Group offers proven expertise in conducting hydraulic studies which inform the design of critical infrastructure projects.

We employ physical scale modelling, computational fluid dynamics and hydraulic analysis to optimise the flow characteristics within treatment works, vortex drop structures, pumping stations and associated pipeline networks. Our integrated modelling capabilities are recognised by end-users around the world as well as their supply chain of Tier 1 consultants and contractors. Established by the UK Government in 1947, today's BHR Group is an independent consultancy. We use our expertise in fluid engineering design and optimisation to provide elegant, efficient and cost-effective solutions.



## Company Profiles

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### **BHR Group**

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## Company Profiles

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### BYRNELOOBY

#### *ByrneLooby*

ByrneLooby is a multi-award winning international firm of designers and project managers. Our teams of highly skilled professionals provide industry leading solutions for complex construction projects across Europe and the Middle East. We have expertise across the fields of geotechnical, civil, structural, water, energy and marine engineering.

ByrneLooby Water Services Ltd has a wealth of experience delivering high quality, high value projects for water services. We focus on providing our clients with solution driven designs in all aspects of municipal and industrial water engineering, from delivering clean water, collecting and treating dirty water to solving drainage problems and all the rest in between.





## Company Profiles

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### ByrneLooby

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## Company Profiles

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### *Chartered Institution of Water and Environmental Management*

CIWEM, the Chartered Institution of Water and Environmental Management is the only Royal Chartered professional body dedicated to the water and environment sector. Representing and supporting a community of thousands of members globally, we are dedicated to improving water and environmental management and associated social and cultural issues.

Since 1895 CIWEM's members have been the leading practitioners in improving the quality and management of water and the environment. We grant professional recognition and Chartered qualifications to scientists, engineers and environmentalists and, through this professional expertise, CIWEM provides valuable advice on policy and practice, giving independent guidance for government, academia, the media and the public. For the water and environment sector CIWEM is the professional body of choice, setting standards and providing the expertise to drive the industry forward.



## Company Profiles

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### CIWEM

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## Company Profiles

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### ***ClearWater Controls***

ClearWater Controls manufactures revolutionary energy saving products for the water industry. Our main product the Deragger II has proven to save around 20% in energy and millions in operational inefficiencies caused by wet wipes blocking pumps. Once installed the Deragger II completely eliminates pump blockages.

- ~20% Energy Saving
- Eliminates pump blockages
- 20 years of asset performance monitoring
- Low cost condition monitoring
- Low Totex cost
- Don't Chop it, Pump It!



## Company Profiles

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### ClearWater Controls

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## Company Profiles

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### ***Croft Additive Manufacturing Ltd***

Croft Additive Manufacturing Ltd focusses on water solutions, producing filters using Additive Manufacturing (Metal 3D products from Stainless Steel 316L) along with conventional manufacture

Supported with more than 30 years experience in the filtration industry through our sister company Croft Filters Ltd, we assist companies accessing this new disruptive technology in an ever-growing range of industries, such as: automotive, industrial machines and devices, aerospace, food and beverage, consumer goods, and fashion. We facilitate product advancement due to the design freedoms that Additive Manufacturing offers and our in-depth knowledge of the filtration industry and solutions.



## Company Profiles

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### **Croft Additive Manufacturing Ltd**

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## Company Profiles

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### *CH2M*

CH2M is the leading professional services firm delivering sustainable solutions to clients working on the world's most complex challenges. CH2Mers make a positive difference providing consulting, design, engineering and management solutions for vital infrastructure and resources serving diverse public- and private-sector clients. With \$5.4 billion in revenue and ~24,000 people, the firm has offices in 50 countries and four business groups: water; environment & nuclear; transportation; and energy & industrial. CH2M in 2016 was selected to receive the World Environmental Center's Gold Medal Award, and in 2015, received the Stockholm International Water Institute's highest Industry Water Award for pioneering water conservation and reuse technologies. CH2M has around 3000 employees in the UK.





## Company Profiles

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**CH2M**

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## Company Profiles

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### ***Doosan Enpure***

Doosan Enpure is a process engineering company with proven design, technology & project credentials within the water, wastewater, energy and waste sectors. Doosan Enpure is part of Doosan Heavy Industries & Construction Co Ltd's Water Business Group who have extensive water and waste water treatment experience worldwide. Doosan Enpure has extensive engineering expertise and capability within the UK and overseas markets and offers a full range of contracting and consulting services including engineering, procurement, construction and operations & maintenance. Through our accumulated know-how in membrane technologies and EPC experiences around the globe we offer differentiated solutions to satisfy our clients' needs.



## Company Profiles

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## Company Profiles

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### *Dryden Aqua*

AFM activated filter media manufactured by Dryden Aqua to replace sand in any type of sand filter. AFM is manufactured by upcycling container glass, the glass is sterilised, reduced to the correct PSD and particular shape, the surface chemistry is then changed to make it a molecular sieve. Applications include; drinking water, pretreatment prior to membranes and tertiary treatment of waste water.

- AFM replaces sand and is a retrofit for any sand filter, new or old
- Performance of the filter will be doubled, especially for sub 5 micron particle removal
- AFM will last for the life of the filter – 20+ years. Better filtration with AFM results in less use of chlorine, flocculants and cleaning chemicals
- The return in capital out of revenue saving is usually under 2 years
- Certification, Reg 31, NSF50, NSF61, Green Label, HACCP, ISO 9001-2008, ISO 1400, OHSAS 18001



## Company Profiles

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### Dryden Aqua

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# Company profiles

## E - H





## Company Profiles

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### ***EHS Data***

EHS Data develops and markets an Environmental Monitoring Data platform, MonitorPro. MonitorPro is used the world over to manage environmental data, so that permits or other obligations are met. MonitorPro makes sure data is collected correctly from the correct locations and at the right frequency. We will also automatically check that the data is correct, that it complies with permits and obligations and the system will send out notification in case of any issues regarding this. With MonitorPro the headache of creating reports, monitor performance and collecting and congregating external data is held at a minimum.



## Company Profiles

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### EHS Data

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## Company Profiles

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### ***European Marine Energy Centre (EMEC) Ltd***

EMEC is the world's leading facility for testing wave and tidal energy converters in real sea conditions. The centre offers independent, accredited grid-connected test berths for full-scale prototypes, as well as test sites in less challenging conditions for use by smaller scale technologies, supply chain companies, and equipment manufacturers.

To date, more marine energy converters have been deployed in Orkney, Scotland, than at any other single site in the world.

With over 10 years of unprecedented experience, EMEC also offers technology verification, is involved in a range of R&D projects, and has facilitated the development of international standards for marine energy.



## Company Profiles

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**EMEC**

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## Company Profiles

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### *EnviroCentre*

EnviroCentre is a solutions oriented environmental consultancy with a proven track record in providing innovative, effective and valuable advice to engineers and the water sector industry. Our focus is on providing quality and creating strong client relations and business partnerships, which enhance established operations and help ensure regulatory compliance and enable new developments.

- Flood Risk Assessment and Mitigation (including Climate Change Resilient Design);
- Integrated Green Infrastructure
- Rivers (including Restoration and Catchment Management);
- Coastal (including Ports and Harbours, Coastal Defence/Land Reclamation and Habitat Enhancement);
- Hydro Power and Renewables (including Monitoring, Modelling, Peer Review and Due Diligence).



## Company Profiles

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### EnviroCentre

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## Company Profiles

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### *Energy Research Accelerator*

The Energy Research Accelerator (ERA) is a cross-disciplinary energy innovation hub which brings together assets, data and intellectual leadership to foster collaboration between academia and business to accelerate the development of solutions to the global energy challenge. It will provide new buildings and cutting-edge demonstrators, develop highly skilled people and jobs, as well as new products and services to ultimately transform the UK's energy sector. ERA is a key programme within Midlands Innovation – a consortium of research intensive universities which has the overall aim of harnessing the Midlands' combined research excellence and industry expertise.\* The UK government has committed an initial capital investment of £60m, and ERA has secured private sector co-investment of £120m. ERA's initial priorities of Geo-Energy Systems, Integrated Energy Systems and Thermal Energy will help deliver the new technologies and behaviours that will open the avenues for its future development and demonstrate the transformative effect ERA can have across the energy spectrum.



## Company Profiles

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### Energy Research Accelerator

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## Company Profiles

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### *eSight Energy*

eSight Energy specialises in energy management software and services. Our leading energy suite, eSight®, is the most sophisticated, fully web-enabled energy monitoring and targeting package available.

Comprehensive and intuitive, eSight® provides an extensive range of techniques for managing all aspects of energy data effectively. It delivers the ability for data to be automatically imported into eSight® from nearly any device or system, bringing all energy data and reporting tools together into one application, which can be accessed from anywhere across the globe in a variety of languages.

Uniquely flexible, eSight® is perfect for virtually every company size and industry sector.



## Company Profiles

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### eSight UK

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## Company Profiles

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### *Energy Technologies Institute*

The Energy Technologies Institute (a £400m industry and UK government partnership) is an independent strategic low carbon energy partner. With deep expertise in all sectors of the energy system informed by strong industry experience and real world application it provides whole energy system modelling and analysis, technology innovation management and road mapping alongside the delivery of complex energy innovation projects to inform business strategies, technology prioritisation and public policy formulation.



## Company Profiles

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### Energy Technologies Institute

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## Company Profiles

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### ***Flexseal***

Flexseal is a specialist supplier to the drainage, plumbing and water management sectors.

The manufacture of couplings for the repair of drainage & sewerage systems has been at the heart of the company since it was established in 1988. Flexseal has since developed a wide range of complementary products related to the movement of water, which build on the company's expertise at creating watertight seals and on its knowledge of the market.

Flexseal is a UK-based company; a core member of the Fernco Group, with operations in Europe, Australia and North, Central and South America, offering an extensive range of inter-related products across the Globe. By exhibiting at Singapore Water Week, we hope to secure local strategic distribution partners, working with them to introduce our range of products and achieve mutual growth through a close working partnership.



## Company Profiles

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### Flexseal

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## Company Profiles

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### ***Gammon Construction***

Gammon has successfully undertaken a wide variety of complex high profile Projects in Singapore, HK and SE Asia over the last 35 years. Our strong local expertise reinforced by the skills, knowledge and resources of Gammon operations in Hong Kong, and the support of our Shareholders Balfour Beatty and the Jardine Group, strengthens our capabilities to deliver technically challenging Projects with our core values of Safety, Integrity and Excellence. Gammon provides “one stop shop” project solutions from design conception to completion, through our in-house capabilities in Foundations, Civil, Building, Engineering and M&E departments. This multi disciplined ability allows Gammon to offer a unique service for the benefits of our Customers through the implementation of ‘one team project delivery’.



## Company Profiles

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### **Gammon Construction**

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## Company Profiles

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### *Green Marine*

Green Marine is an award winning Marine Specialist Company providing cost effective, sustainable & innovative solutions for the safe & successful deployment, recovery & maintenance of a wide range of Wave & Tidal energy devices and associated infrastructure. Green Marine has its own fleet of versatile vessels backed up with a highly experienced team of mariners with over 150 years of real sea time experience, along with the Green Marine Engineering team can provide an unprecedented winning combination to carry out bespoke and complex marine operations for their clients. Green Marine is based in the Orkney Islands in the north of Scotland and operates globally.



## Company Profiles

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### Green Marine

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## Company Profiles

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### *Ham Baker Group*

The Ham Baker Group is a market leading, global organisation dedicated to the design and manufacture of innovative products, for the water, waste water and process sectors. Ham Baker's name is synonymous with precision-engineered products and adding value to customer's individual requirements. The group designs complete engineered solutions, with experts on hand across all sectors to cover customers individual process and flow needs. The understanding of individual applications informs the design of complementary products and services resulting in the ability to be able to offer complete engineered solutions which deliver optimum performance. A fully equipped, UK, in-house manufacturing facility complemented by state-of-the-art design facilities provides customers with bespoke engineered solutions, capable of operating to industry leading standards. With manufacturing bases in the UK, China, Hong Kong, UAE and Australia we are able to offer engineered solutions worldwide.



## Company Profiles

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### Ham Baker Group

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## Company Profiles

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### ***HRS Heat Exchangers Ltd***

HRS operates at the forefront of thermal technology, offering innovative and effective heat transfer solutions worldwide, focusing on managing energy efficiently. We are committed to providing efficient innovations which minimise energy consumption, waste and CO<sub>2</sub>, whilst lowering fuel bills without harming the environment. With over 35 years experience, we specialise in the design and manufacture of an extensive range of corrugated tube and scraped surface heat exchangers including bespoke sludge pasteurisation and effluent concentration systems. HRS has a global network of offices including the UK, Spain, USA, Malaysia, Australia and India; with production units in the UK, India and Spain.



## Company Profiles

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### HRS Heat Exchangers Ltd

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## Company Profiles

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### ***HR Wallingford***

HR Wallingford provides world-leading analysis, advice and support in engineering and environmental hydraulics, and in the management of water and the water environment. In the UK, we are leading research in sustainable drainage systems, reservoir water quality modelling and the impacts of climate change on river flows, groundwater recharge and sewerage systems. We have a unique mix of physical modelling laboratories and a full range of computational modelling tools. Services include:

- Integrated water resources management, Irrigation and drainage design
- Drainage and water supply system modelling & Sustainable drainage systems (SUDS)
- Climate change impacts and adaptation assessment
- Engineering and management of river and coastal systems
- Flood forecasting, Environmental impacts & Flood defence
- River hydrology, hydraulics and morphology
- Reservoir safety, sedimentation and emergency planning.



## Company Profiles

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## Company Profiles

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### *Hydro Nation Water Innovation Service*

The Hydro Nation Water Innovation Service identifies Scottish companies and supports them along the innovation path from concept to commercialisation. The service contributes directly to the Hydro Nation's goal of delivering economic gain to Scotland through the creation of new companies and jobs that drive innovation in the sector.

- We support development of new products from 'early stage' to 'near market' readiness
- With the aim of accelerating the innovation journey
- We provide opportunities for collaborative working through an extensive network of contacts
- We bring market knowledge to provide a practical understanding of the various support agencies.
- We publish specialist market intelligence and technology reports identifying future market opportunities.



## Company Profiles

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### Hydro Nation Water Innovation Service

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# Company profiles I - L





## Company Profiles

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### *IES*

IES was founded over 20 years ago and is headquartered in Glasgow, Scotland. With a presence in over 16 different locations worldwide, IES is recognised as a world leader in 3D performance analysis software that is used to design tens of thousands of energy efficient buildings across the globe. IES' technology is supported by integrated consulting services and today its capabilities are expanding from use on individual buildings to helping create sustainable communities, cities and countries. Our technology and consulting services uncover hidden cost, energy and carbon savings that support smarter energy-efficient choices across new building investments, building operation and refurbishment of existing buildings.



## Company Profiles

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**IES**

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## Company Profiles

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### ***i2O Water***

i2O provides a suite of smart network solutions to help water utilities respond to the challenges created by an increasing and urbanising population, more extreme weather events, ageing infrastructure and more demanding customers. More than 100 utilities in over 25 countries around the world have installed i2O technology since the company was founded in 2005; extending asset life, reducing operating costs, improving customer service and achieving return on investment within 12 months. i2O is headquartered in the UK and has offices in Malaysia, Spain and Colombia. The company is led by an experienced and knowledgeable team and is backed by major long-term investors.



## Company Profiles

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### i2O Water

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An aerial photograph of London, England, taken at sunset. The River Thames flows through the center of the image, with the iconic Tower Bridge in the foreground. The bridge's two towers are illuminated, and its suspension cables are clearly visible. Several boats are on the river, including a large cargo ship and smaller vessels. The city skyline is visible in the background, with numerous skyscrapers and buildings. The sky is a mix of orange, pink, and purple, indicating the time is either dawn or dusk. The overall scene is a panoramic view of the city from a high vantage point.

# Company profiles M - P



## Company Profiles

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### *Met Office*

The Met Office is a global centre of excellence in weather and climate science, and the United Kingdom's national weather service. Founded in 1854, the Met Office pioneered weather forecasting. Ever since then we have been at the forefront of developments in weather and climate science.

The Met Office works closely with the water industry to develop a range of services that meet specific water and waste needs. Our services help with innovation, flooding events, resource management, leakage as well as operations and asset management. Our renewable energy services include onshore and offshore wind, as well as solar energy initiatives.



## Company Profiles

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### Met Office

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## Company Profiles

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MODERNWATER

### *Modern Water PLC*

Modern Water PLC owns, installs and operates world-leading desalination technology and develops and supplies advanced systems for water monitoring. It is listed in the UK on London Stock Exchange's Alternative Investment Market (AIM). With headquarters in the UK, it also has operations in the USA, Gibraltar, Japan and China.

The Monitoring division provides: market-leading toxicity monitoring systems, including Microtox®; trace metal; and environmental monitoring systems. Each range includes systems for portable, online, and laboratory use. All systems are easy to use and can be operated by technicians anywhere in the world. The benefits of Modern Water's technologies include quick and reliable results, early warning of toxic events, low capital and operating costs, protection against environmental pollution, robust and proven equipment for use stand-alone or integrated into existing processes.



## Company Profiles

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### Modern Water PLC

Neil Townend

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## Company Profiles

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### ***Mott MacDonald***

Mott MacDonald provides global advisory, engineering and management, consultancy to our customers providing infrastructure-based solutions & services.

Our expertise is in bringing certainty to your challenges to enable clear decision-making from having comfort that costs are controlled and risks are well managed for sustainable solutions. Our collaborative delivery style adds value to you and your infrastructure business to improve the lives in our smarter communities; from personal mobility, the complete water cycle, waste-resource recovery to energy services for our low carbon society. Services range from front-end market entry studies, through requirements planning, business case preparation, procurement document preparation, project & construction management, to engineering design and asset management.



## Company Profiles

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**Mott MacDonald**

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## Company Profiles

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### ***Partech Instruments***

Partech are a manufacturer of water quality sensors & control systems for Water and Wastewater Treatment works. Focused on both the municipal and industrial sectors, all of our equipment is manufactured to our exacting standards in the UK. Established with over 50 years of experience and active throughout the UK as well. Partech also has installed equipment base in over 54 countries worldwide.

Products include sensors for Suspended Solids, Turbidity, Dissolved Oxygen, pH, ORP and Sludge Blanket control. We also supply high quality wet chemistry analysers along with site installation and support services. Our unique cleaning systems and configurable monitors make the installation and maintenance of our systems customer focused and resource efficient.



## Company Profiles

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### Partech Instruments

David Wilson

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## Company Profiles

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### ***PDL Solutions***

PDL is a privately owned engineering consultancy providing complementary engineering design and analysis support to our client's in-house engineering teams. As experts in the use of Finite Element Analysis (FEA), Computational Fluid Dynamics (CFD) and multibody dynamics analysis toolsets, our engineers work with our clients to (a) design and validate water, waste and low carbon solution infrastructure, (b) understand the root-cause failure modes at a system or a component level and (c) develop, optimise and qualify new technologies, products and systems to the appropriate design codes and quality standards.



## Company Profiles

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### PDL Solutions

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## Company Profiles

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### ***Peter Brett Associates LLP***

Peter Brett Associates LLP is a multi-disciplinary infrastructure and development consultancy with 50 years trading in the UK. We have undertaken many projects internationally and have 20 offices now set up in Europe and the UK. Our key areas of work include Sustainable, Energy, Waste and Building Solutions. Our Energy and Environment Team are experienced in all areas of Site Assessment, Technology Selection, Planning and Legal Approvals. We can also assist with design and construction project management.



## Company Profiles

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### **Peter Brett Associates LLP**

George Paschke

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## Company Profiles

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### ***Portsmouth Aviation Ltd***

Unique Ultrafiltration and disinfectant (ESOL) Electrolysed solution, able to treat water by destroying bacteria, viruses and pathogens; Its sterilising effect also ensures that the system's filters and equipment remain clean and free from organic fouling, meaning less maintenance and longer storage life for treated water.

Using our disinfection means it can be returned to the water source with no environmental damage.

In addition we can offer a Capacitive Recovery System treating water by removing salt ions, ammonium, iron, manganese, zinc and other metal and impurities, leaving the water pure and ready for use

The result is an environmentally acceptable Stand-alone water treatment system.



## Company Profiles

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### Portsmouth Aviation Ltd

Andy Bowles

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## Company Profiles

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### *Pure Energy Centre*

The Pure Energy Centre (PEC) has been operating and offering solutions globally for over 10 years and has 50 cumulative years of experience in the provision of renewable and sustainable energy systems including hydrogen and fuel cell technologies. PEC also offers consultancy for water companies that require sustainable solutions.

- Operating and offering renewable and sustainable solutions globally
- Consultancy, equipment and installations for water companies that require sustainable solutions
- Complete turnkey solutions supplied to clients
- Engineering design, installation, maintenance, training and custom solutions
- Electrolysers, hydrogen refuellers (350/700 bar), hydrogen compressor up to 900 bar
- A-Z of renewable solutions including wind, solar, energy storage, H2 vehicles.



## Company Profiles

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### Pure Energy Centre

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# Company profiles

## Q - T





## Company Profiles

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### ***Ramboll Environ***

Ramboll Environ is a top ten global environmental and health consultancy with 2,100 employees in 128 offices in 26 countries. We work with clients in a wide variety of industry sectors to help resolve their most demanding environmental and human health issues. Through our multidisciplinary platform we help clients to address some of the most important issues facing our global community, including environmental and health implications of urbanisation, climate change and resource scarcity. Through working closely with other Ramboll divisions (Buildings, Transport, Planning & Urban Design, Water, Energy, Oil & Gas and Management Consulting) we provide holistic solutions to these complex global challenges.





## Company Profiles

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### Ramboll Environ

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## Company Profiles

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### ***Riventa***

Riventa provides class-leading pump efficiency measurement and pump optimisation expertise to the water industry. We have a proven track record in the reduction of cost, energy and emissions, with services ranging from in-situ pump performance testing and real-time pump monitoring, through to network optimisation and turnkey engineering projects.

We recently won “Pump Project of the Year 2016” at the British PumpCentre for a network optimisation solution that used real-time pump performance data within a strategic network in Severn Trent Water.



## Company Profiles

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### **RIVENTA (UK)**

Steve Barrett

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## Company Profiles

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### *Route Monkey*

Route Monkey is a leading provider of software, modelling and scheduling technology that solves complex mobility problems via powerful optimisation algorithms and associated applications. Our toolkit focuses on lowering emissions, saving energy, improving air quality and generating efficiencies through better planning of resources both in the public and private sector. Route Monkey recognises that attitudes to big data, multi-modal travel and energy consumption are changing rapidly and we have therefore enhanced our algorithms to incorporate factors such as electric vehicles, infrastructure, multi-modal travel and energy demand response services.

We have worked closely with the Energy Saving Trust to model electrification in “future fleets” delivering projects for the Government Office for Low Emission Vehicles and Transport for London. We have also developed scheduling and booking functionality for Co Wheels car club, car sharing algorithms and personal mobility planners that incorporate public transport data. Our clients and partners include: BMW, Shell, EDF Energy and others.



## Company Profiles

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### Route Monkey

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## Company Profiles

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### *Sarco Stopper*

Established in 1877, Sarco has a worldwide reputation for innovative line stopping and bypass solutions. Producing under pressure stopper bags for 45 years, including the only Kitemark GIS/E4 Gas Bags in the world, Sarco also manufactures Hydro Bags to deploy with the award winning Aquastop and Hydrant Wizard water isolation systems.

- Aquastop Line Stopping, with By-pass to maintain customer water supplies, 8 Bar, 3" – 8". Hydrant Wizard Line Stop, 8 Bar, 3" & 4"
- Under pressure Drilling Tees and Saddles to suit Service Connections and Pipe Inspection activities
- Engineering Design Team Customise Pipeline Isolation Solutions to Suit Specific Projects Specifications
- BSI Approved to ISO 9001:2008 Quality Management System | ISO14001 Environmental System
- Industry Solutions for: Water: Gas: Energy: Pipe Welding: Waste Water: Oil and Gas.



## Company Profiles

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### Sarco Stopper

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## Company Profiles

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### Scotmas Group

Purify • Protect • Perform

#### *Scotmas Group*

Scotmas Group are expert manufacturers of Chlorine Dioxide products and generation systems with installations in municipal water treatment, food processing, hospitals, seawater cooling and industrial systems. Scotmas has an impressive track record of blue chip projects around the world. Scotmas can provide 'off the shelf' and custom engineered chlorine dioxide systems to suit projects of all scales, featuring the latest control and monitoring systems designed to the most stringent International standards.

- Robust, proven Chlorine Dioxide technology delivers exceptional biocidal and oxidising power.
- Setting the industry standard for quality, reliability, operation and cost effectiveness
- InSite state of the art 24/7 remote monitoring system for performance
- Experienced technicians accredited to the Global OHS18001 Health and Safety Standard
- An effective alternative to environmentally damaging biocides.





## Company Profiles

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### Scotmas Group

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## Company Profiles

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### ***Sgurr Energy***

Sgurr Energy is a leading renewable energy consultancy, providing engineering and technical advisory services in onshore and offshore wind, solar, wave and tidal and hydro projects. We have the capability to deliver at every phase of a project, from the early stages of site selection, feasibility and design right through to project management of the construction phase and operation and maintenance.

Our multi-disciplinary energy consultants have extensive sustainable energy experience worldwide. To date we have assessed over 160GW of renewable energy developments in over 90 countries worldwide, and this figure is growing rapidly every month. Our clients include utilities, financiers, developers and many other public and private sector organisations. Headquartered in Glasgow, UK, SgurrEnergy has a network of 17 international offices, including significant operations in Beijing, China, and Pune, India.



## Company Profiles

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### **Sgurr Energy**

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## Company Profiles

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SHEPHERD+ WEDDERBURN

### *Shepherd and Wedderburn*

Shepherd and Wedderburn is a leading UK law firm, with clients from all sectors of the economy in the UK and internationally. We are water sector experts: our know-how has been developed over decades of working in the utilities sectors, advising both regulators and regulated companies.

- We have advised the Water Industry Commission for Scotland for 15+ years.
- We advise major utilities in the UK Energy, Telecoms and Water sectors
- We advise the Northern Ireland Utility Regulator on major regulatory reforms.
- We advise on utilities and telecoms in Asia and the Middle East
- Our award winning competition law team have an outstanding track record
- We provide legal support for major infrastructure and sector reform project.



## Company Profiles

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### Shepherd and Wedderburn

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## Company Profiles

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### ***SMRU HK Ltd***

SMRU HK Ltd is the Asian arm of SMRU Consulting. We are the world's leading marine mammal consultancy with an unrivalled reputation for providing innovative, robust, and environmentally sound solutions for clients active in the marine environment.

- Development of risk modelling techniques, e.g. noise impact assessment methods, such as collision risk modelling, SAFESIMM
- Bioacoustics
- Active sonar
- Passive Acoustic Monitoring (PAM)
- Seal telemetry and count data (in conjunction with SMRU academic)
- Industry focused R&D projects – delivery of bespoke solutions.



## Company Profiles

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### SMRU HK Ltd

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## Company Profiles

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### ***Special Piping Materials***

Special Piping Materials (SPM) is a piping material and services provider for the water treatment market, we stock and supply high grade stainless steel piping packages suitable for desalination and other water treatment processes. SPM have a long positive track record of providing project management solutions from initial budget and consultation stage right through to delivery of items on site. Headquartered in the UK and with 7 other fully stocked warehouses around the globe we can supply urgently required items on a short timeframe.





## Company Profiles

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### Special Piping Materials

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## Company Profiles

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### *Statiflo International*

Statiflo International is the world's leader in the development and application of static mixing technology. With international offices in the UK, Germany, USA and Canada and a network of worldwide representatives, Statiflo have supplied the international municipal and waste water treatment industry with static mixers and their associated technology for over 30 years. Statiflo will demonstrate the recent developments and advances made in static mixing technology at the exhibition.



## Company Profiles

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### Statiflo International Ltd

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## Company Profiles

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### ***Sustainable Project Partners Ltd***

Sustainable Project Partners Limited is a company in the Western Highlands of Scotland which is forming partnerships to develop environmentally sustainable enabling technologies for the production of distributed scale power/fuel, and reclaimed water. Products and outputs are potable decontaminated water and algae biomass which can be used subsequently in fermentation and distillation to biofuel.

- SPP develops environmentally sustainable technologies for the production of distributed scale fuel and reclaimed water. SPP achieves this through integrating algae and other renewable biomass technologies
- SPP's licensed technology removes heavy metals and organics from contaminated water.
- SPP process produces potable water, algae biomass, and biofuels; biodiesel and bioethanol. Technologies for waste water treatment
- SPP's designed proprietary rectifier 'still' is used for volatiles, fragrances, oils and biofuel.



## Company Profiles

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### Sustainable Project Partners Ltd

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## Company Profiles

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### *Syrinix*

Syrinix is an award winning leader in providing intelligent pipeline monitoring solutions. Combining high-resolution data with automated analysis and alerts, Syrinix's solutions are transforming utilities' ability to reduce leaks, breaks and costs.

TrunkMinder – real time monitoring for active leak detection on critical trunk mains. Multi-sensor array, immediate event alerts and high resolution pressure and flow data capability.

PipeMinder – flexible network monitoring solution with a 5-year battery life and continuous high sample data analysis, essential to leak/burst reduction, network calming and asset repair planning.

RADAR – cloud based portal with detailed analytics, reporting and notifications. A single platform for multiple products.



## Company Profiles

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### Syrinix

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## Company Profiles

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### ***Tetronics International***

Tetronics International is an environmental company with more than 50 years' experience globally delivering clean plasma technology for maximum resource recovery, and the highest levels of hazardous waste destruction. Tetronics focuses on providing an economically stable cost base and attractive revenue streams to ensure maximised financial returns. As a pioneer in using plasma technology for waste treatment, our multi-faceted, highly qualified research and engineering team have applied the technology to an unrivalled range of waste challenges. Our capabilities encompass everything from initial modelling/ feasibility assessment, pilot testing of the process material, through to design, supply onsite installation/commissioning and on-going support of full commercial plants.





## Company Profiles

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### **Tetronics International**

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# Company profiles

## U - Z





## Company Profiles

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University  
of Glasgow

### *University of Glasgow*

The University of Glasgow has been inspiring people for over 550 years since 1451. As a world top 100 university and a member of the Russell Group of leading UK universities, the University is committed to delivering world-class, multi-disciplinary research and the highest standards of teaching and education.

- Ranked 62<sup>nd</sup> in the world
- First and only UK university rated as 5 Stars Plus overall
- 3<sup>rd</sup> in the UK for international student satisfaction
- Annual research income of more than £181m
- More than 6000 staff, including 2000 active researchers
- World-leading expertise in water research, sensor systems, nanotechnology and future cities.



## Company Profiles

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### University of Glasgow

Professor Trevor Hoey

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## Company Profiles

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### ***VIP-Polymers***

Established in 1923, VIP-Polymers are recognised as one of the leading manufacturers of sealing gaskets for pipeline systems worldwide. Today our seals are selected as original equipment by virtually all leading manufacturers of ductile iron, plastic, GRP, clay and concrete pipe systems for potable and drainage water pipelines. With manufacturing operations in the UK, Middle East and Far East, we export to over 140 countries across the globe.

For 2016, VIP-Polymers now offer the VIP-ER range of self-restrained range of gaskets designed for iron pipe. The VIP-WECO NO-DIG 20bar internal pipe repair seal is also showcased, a system proven for 40+ years for sizes from DN185-DN4000.



## Company Profiles

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### VIP-Polymers

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**GREEN  
IS  
GREAT**  
BRITAIN & NORTHERN IRELAND



#### UKTI

UK Trade & Investment is the Government Department that helps UK-based companies succeed in the global economy. We also help overseas companies bring their high-quality investment to the UK's dynamic economy acknowledged as Europe's best place from which to succeed in global business.

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