

PRESS RELEASE

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VWT UK LAUNCHES DEMINERALISED WATER SOLUTION FOR THE POWER SECTOR

Veolia Water Technologies UK (VWT UK) has launched TERION™, a new demineralised water solution ideally suited to the demands of power generation and industrial process water applications. The plug and play, single skid system combines high-quality Reverse Osmosis (RO) and Continuous Electrodeionisation (CEDI) technologies to deliver a cost-effective, reliable and easy to manage purified water solution.

TERION™ has been designed to meet the challenges and requirements of the modern power industry such as ensuring the productivity, reliability and longevity of assets as well as minimising operational and capital expenditure.

With the combination of RO and CEDI processes, TERION™ removes over 99.9% of dissolved inorganics and over 99% of large dissolved organics. This allows it to produce demineralised water that meets the most stringent treated water specifications. This makes it suitable for use as boiler feed water and for gas turbine injection applications where the use of consistently high-quality demineralised water will help protect the system.

TERION™ offers market leading options with units ranging from 5 m³/hr to 52 m³/hr available. The units incorporate high efficiency motors and Variable Frequency Drive (VFD) pumps to save up to 50% on electrical power. With no need to pause operation for regeneration of the deionisation resins, TERION™ provides a continuous reliable source of high quality demineralised water. Site safety is also improved by eliminating the need for acid or caustic chemicals associated with traditional ion exchange technologies.

The fully skid mounted unit is delivered pre-assembled and undergoes testing in our factory, prior to being despatched to minimise the on-site installation and commissioning time.

For our customers with applications that require smaller water volumes there is also the TERION™ S, suitable for hospitals, laboratories and microelectronics production as well as smaller scale industrial and power facilities. TERION™ S, uses the same combination of RO

and CEDI technologies to produce high grade demineralised water and offers the same simple and fast installation and commissioning. There are seven models available with flow rates from 110 to 4,000 ltr/hr.

Both TERION™ and TERION™ S integrate seamlessly with VWT's Hubgrade Digital Services, which enables remote monitoring and real-time performance optimisation via the cloud-based platform.

Kalpesh Shah, Head of Sales – Process Water at Veolia Water Technologies UK said: “The launch of the TERION™ range provides a simpler, more reliable and more cost-effective solution for demineralised water that has been tailored to the needs of the power and industrial sectors. In addition to the high quality system, customers also benefit from our dedicated expert service and support based on decades of experience.”

For more information about Veolia Water Technologies UK and the TERION™ range visit: www.veoliawatertechnologies.co.uk.

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Veolia Water Technologies UK

Veolia Water Technologies UK provides the complete range of services required to design, deliver, maintain, and upgrade water and wastewater treatment facilities and systems for industrial clients and public authorities. The company's extensive portfolio of technologies features everything from online diagnostic solutions to evaporation and crystallisation, energy-producing sludge treatment, state-of-the-art desalination, laboratory-grade water, and mobile water services. By optimising both processes and monitoring, Veolia Water Technologies UK helps clients reduce their water footprint whilst generating considerable savings in energy and chemical consumption.