



Water Technologies
& Solutions is now
part of Veolia

WATER TECHNOLOGIES



~220,000 Employees

€28.5 Billion
Revenue

5.2 Billion M³
Wastewater treated
in 2020

350,000+ Metric Tons
Plastic waste recycled
worldwide by the Group
in 2019

Global proven expertise, offerings & results

We are dedicated to taking on the world's toughest water and process challenges.

Leveraging the reach, culture and global infrastructure, we work closely with customers to determine and deliver the products, processes and solutions that meet the task at hand.



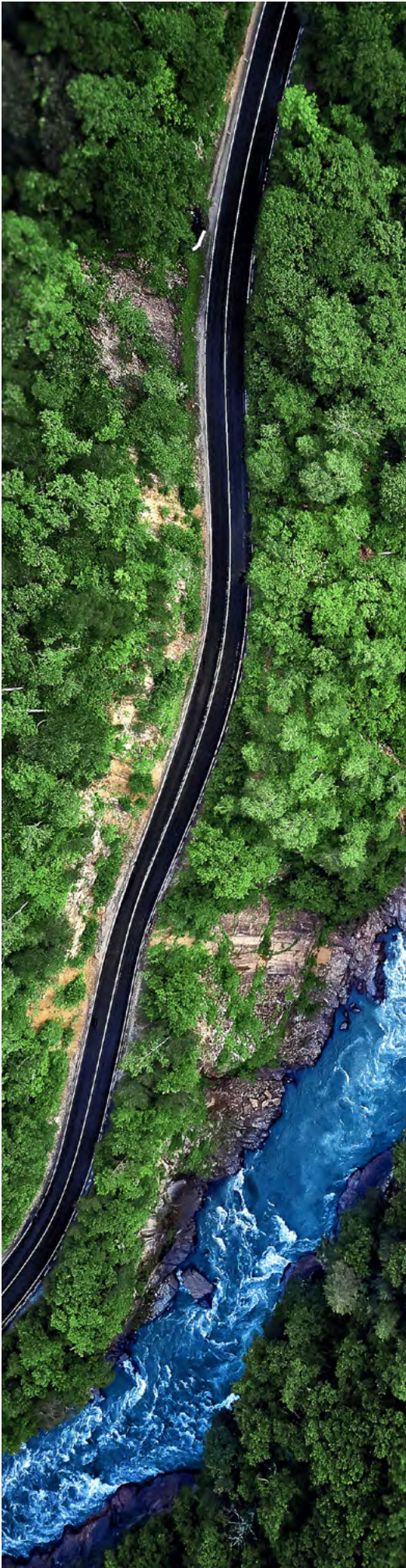
11.4 Million M³
Of Water Treated Every Day



50,000+
Industrial & Municipal
Customers Worldwide



10,000+
Combined Technologies



When Our Customers Win, We Win

We partner with you to meet the needs of your industry, your region and your business. With industry-leading water technology and process expertise, we build optimized solutions for lasting success.

The industry expertise to reliably plan & deliver project success

With technologies, services and solutions grounded by decades of experience, our experts consistently deliver successful project outcomes.

A commitment to responsible business for our customers and the environment

As a business dedicated to having a positive impact on the environment, we help customers meet their performance and compliance goals with sustainable solutions.

A forward-looking partner who keeps our customers ahead of the curve

We're building for the future today with innovative approaches to traditional and digital services and solutions that give our customers a competitive edge.

A team who measures success by our positive customer impact

We work closely with every customer to improve productivity and protect their assets, providing peace of mind for the people who trust us with their operations.



A Unique Integrated Offering

Across your entire process
and water value chain

There's no single approach that's best suited for every customer. That's why we pair our industry and process expertise with a comprehensive portfolio of advanced solutions to deliver project success.

We address your needs, both immediate and long-term, with a strategy that meets your requirements. And we work with you during planning, implementation and on-site operation to drive results.

Industries Served



Chemicals



Food & Beverage



**Downstream
Oil & Gas (Refining)**



Metals & Mining



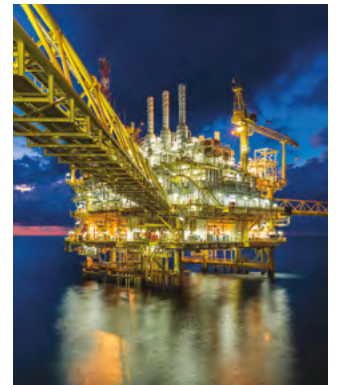
Power



Pulp & Paper







Municipal






Upstream Oil & Gas

What We Offer

			
Equipment Solutions	On-site Services	Water Chemistry	Process Chemistry
Water wastewater desalters analyzers	Commissioning mobile assets advisory outsourcing	Boiler cooling wastewater membranes	Corrosion inhibitors emulsion breakers H2S scavengers fuel additives

Complete solutions to design, build and operate at existing and new production facilities

		
Digital Tools	Innovation	References
InSight* TrueSense* COMS*	In-house R&D industry partners training	Global customers local service & support across industries

Comprehensive solutions. Results you need.

Applications

Across industries and applications we bring the expertise and technologies to help customers succeed in a changing landscape.

Enabling Wastewater Reuse

Whether municipal or industrial, we understand your challenges and recognize the opportunities of creating sustainable solutions for wastewater reuse and ensuring plants meet effluent discharge permits.

Mitigating Emerging Contaminants

We're preparing for the future today by finding ways to treat emerging contaminants like micropollutants and PFAS using current technologies in a new way or developing the solutions of tomorrow.

Providing Ultrapure Water Treatment & Monitoring Technologies

We deliver comprehensive treatment for ultrapure water backed by the confidence of our industry-leading water quality monitoring.

Applying Cooling Water Treatments

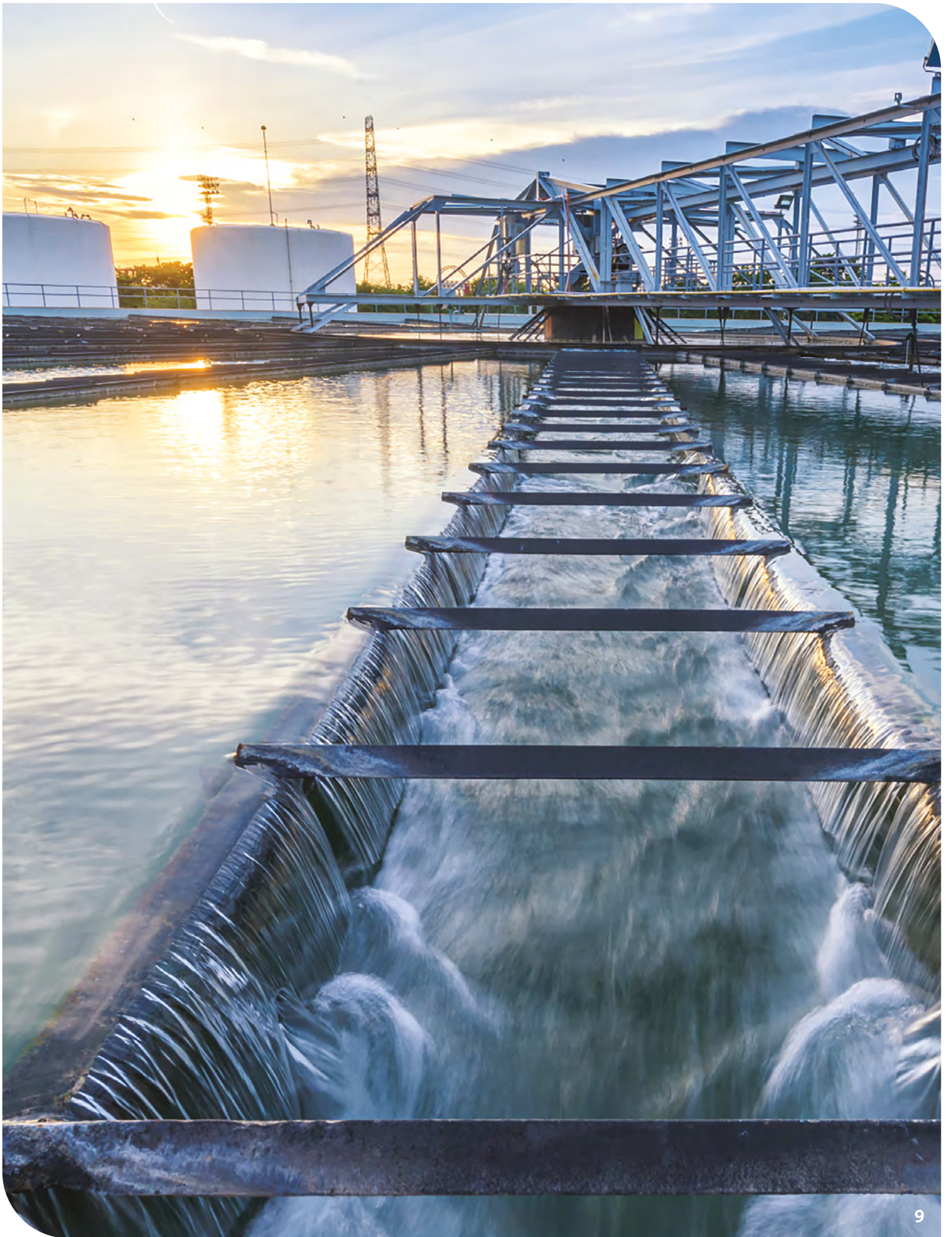
We offer solutions that reduce operational risk, achieve compliance with stricter environmental regulations, and address social challenges.

Developing Boiler Water Treatment

Our programs drive efficiency, safety, and reliability in your steam-generating system.

Combining Best-In-Class Process Chemicals, Treatment Services, Subject Matter Expertise, and Digital Tools

We help customers optimize resources, conserve usage, and enhance profitability and satisfaction — while positively impacting the bottom line.



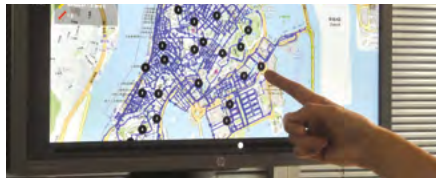
Services

Our experts deliver a comprehensive range of data and experience-driven services to increase transparency, consistency, and availability across your operations.



InSight*

Our cloud-based asset performance management solution, InSight, uses data and analytics to help ensure assets operate at optimal performance. By aggregating and analyzing the thousands of complex data points throughout an operation, InSight provides greater visibility and transparency at a plant level or enterprise-wide.



Advanced Analytics

Our advanced analytics — powered by InSight — leverage artificial intelligence and machine learning to help reduce costs and save water and energy. Through an integrated offering that uses sensors, controllers, communication hardware and cloud-based technologies to collect, connect, store and process data, we can uncover new ways to enhance operational efficiency and maximize your assets.



Water & Wastewater Services

For any water quantity or quality, our services meet your needs — whether it's shifting Capex to Opex, supplying volume demands, fulfilling emergency needs, meeting compliance requirements, or having us run your water treatment plant.

Specialty Chemical & Water Conditioning Services

Products, Expertise and Services Tailored To Your Needs



OnBoard* Service Program

OnBoard is a comprehensive service program tailored to address the overall performance of water treatment assets, such as a Sulfate Removal Unit (SRU) or low salinity system. Depending on needs, a program that addresses unique requirements is designed by leveraging digital tools, operator training, equipment technology, chemicals and offshore service support.

The result is decreased downtime, improved availability, superior system performance, better understanding of operations, improved maintenance schedule and the ability to predict failures before they occur.



ChemSure* Chemical Delivery

We understand the need to standardize your chemical operations. In North America, we offer the ChemSure Chemical Delivery Service, a fleet of more than 110 vehicles and 40 experienced chemical delivery specialists — all certified to deliver chemical solutions in a safe, professional, cost-efficient and timely manner.



Aqualead*

Our aqualead solution includes a range of products to protect your cooling systems, membrane systems and boilers, combined with dedicated teams offering service across the entire industrial water cycle.

Chemical & Monitoring Solutions

We apply best-in-class water and process chemicals, treatment services, subject matter expertise, and digital tools to optimize your resources, conserve usage, and enhance profitability and satisfaction — positively impacting your bottom line.



Boiler Water Treatment Chemicals

Heat transfer and steam-generating efficiency are critical metrics for any steam generating system. Deposition and corrosion are two key problems that can negatively affect these metrics, as well as the overall reliability of the system.

Our comprehensive boiler water treatment programs successfully offer both online and offline protection throughout your steam system, through steam condensate feedwater and internal treatment.

Chemical Processing Treatment

We understand the different needs of ethylene, styrene, butadiene, C3's, and other chemical manufacturers.

Leveraging decades of experience, our experts work with your team to tailor the right solution to meet your operation requirements, boost run length and plant efficiency, and improve water and carbon neutrality.

Cooling Water Treatment

Industrial facilities look to us to help them achieve and maximize their production goals. We offer an advanced portfolio of water treatment solutions, designed specifically to enhance and maximize production output and heat transfer efficiency through deposition, corrosion, and biological control.

With patented technologies such as GenGard* and E.C.O.Film*, We offer a range of environmentally-benign solutions for cooling water systems that reduce the impact on the Earth's fragile ecosystems.



Dust Control and Materials Handling

Our dust control and materials handling solutions include underground, service and haul road treatments that help reduce water usage and operating costs.



Refinery and Petrochemical Process Treatment

We know the risks involved in operating a refinery. Our experts help minimize unplanned downtime by understanding your refinery's specific needs — then quickly implementing turnkey solutions that ensure safety, secure operational continuity, and optimize cost and resource efficiency.

Our chemical portfolio includes antifoulants, corrosion inhibitors, finished product additives, phase separation, hydrogen sulfide scavengers, and a suite of integrated monitoring solutions.



Industrial Process Treatments

We offer two main industrial process treatments — fuel treatment chemicals to reduce deposition, and slagging to improve combustion — with our FuelSolv* product line and FoodPro* line of products that fight soft water corrosion with molybdate free chemistry for sterilizers and pasteurizers used in the food and beverage industry.



Membrane Treatment Solutions

Membrane elements are significant investments that can face early degradation and performance loss as a result of an inadequate service program. Small pore sizes, concentration factors, membrane roughness, chemical compatibilities and other factors — such as fouling, scaling and premature membrane deterioration — can all significantly affect system performance.

Our membrane cleaning chemicals can prevent: loss of flux, lower rejection rates, higher pressure drops, shorter membrane life and high operation costs.



Oil & Gas Production Process Treatment

Our experts work closely with you to drive success for your specific oil and gas operations. Our tailor-made technical solutions help oil and gas companies around the world meet rising standards for water treatment quality and safety — while minimizing downtime and cost.

We offer a comprehensive product portfolio to address flow assurance, integrity management, and fluids separation. Our product formulations are continually assessed to provide safe products while ensuring that product performs in a cost-competitive fashion.



Wastewater Treatment Chemicals

Our solutions for the treatment of wastewater combine expertise with cutting-edge automation and process control of world-class chemistry including foam control, bioaugmentation treatment, coagulants and flocculants, odor control, and metals removal.

Equipment & Systems

Our experts leverage industry-leading processes, wide-ranging services and a broad technology portfolio to help you address critical process, water and wastewater needs while hitting your operational, environmental and sustainability goals.



Biological Treatment

Our biological solutions span a broad spectrum of applications. With ever-changing discharge requirements and advancements in technology, demand for biological treatment systems have increased. Our products, such as Zeelung* and LEAPmbr*, treat wastewater for BOD removal, nitrification, denitrification, TSS removal, capacity upgrades and enable water reuse.

Biosolids

Our biosolids treatment technologies use bacteria in the absence of oxygen to break down matter to create biogas. Our solutions include digestion enhancement — like biological hydrolysis, mixing, dewater, dryers, biogas management and thermal oxidation.

Biowaste

Our biowaste solutions break down organic matter and create biogas. The biogas can be upgraded for pipeline injection and additional nutrient-rich digestate can be used as fertilizer. The process includes separation, pasteurization, digestion, biogas management and digestate processing.



Clarifiers

We offer a variety of settling clarifiers that cover applications in drinking water, and municipal and industrial wastewater. These clarifiers can fit into a full system or operate as stand-alone units.



Disinfection/Oxidation

For over 40 years, Ozonia* ozone, aquaray* UV and Advanced Oxidation Processes (AOP) have been used in a wide variety of municipal and industrial water applications such as drinking water, wastewater and reuse, process water, ultrapure water, aquaculture, pulp bleaching, chemical synthesis and flue gas scrubbing.



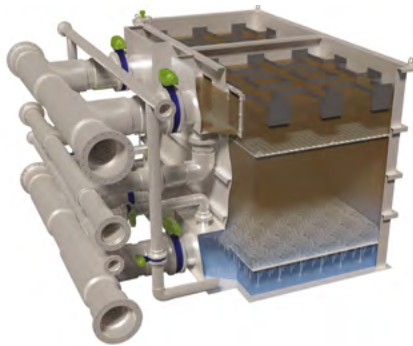
EDI, ED, EDR

Electrolytic technology uses pressure and electrical current to separate contaminants from pure water through a semi-permeable material that includes both cationic and anionic membranes.



Evaporators & Crystallizers

Thermal technologies are designed with up to 99% availability to provide a reliable solution for a wide range of tough-to-treat wastewater and pure product applications. Our technologies provide pure water and help achieve zero liquid discharge.



Filtration Technologies

Our wide range of separation technologies means we can select the most appropriate filter system for any given water treatment application. Our filtration technologies are designed for drinking water, wastewater and industrial process water applications.



Flotation Technology

Dissolved air flotation (DAF) technology is an effective clarification method for low-density solids that sedimentation cannot remove. Our experts provide the right flotation technology for your specific needs.



Headworks

Effective headworks equipment brings great economic value to a wastewater plant. Removing the most particles as early as possible inline prevents operational problems later protecting downstream pumps, clarifiers, thickeners and digesters.



Ion Exchange

Ion exchange technology is a proven method of producing high purity softened and demineralized water. We offer a range of ion exchange products for applications, including condensate and brine polishing, vacuum degassing and desalination.



Oil & Gas Engineered Systems

Whether your process is onshore or offshore, greenfield or brownfield, common or unique, We have the experience to deliver your oil & gas equipment solutions. We can take projects through estimation, process design, mechanical design, detailed engineering, procurement, construction, fabrication, inspection and commissioning.



Spiral Wound Membranes

We offer spiral wound membrane elements across the membrane spectrum including reverse osmosis (RO), nanofiltration (NF), ultrafiltration (UF), and microfiltration (MF). We offer membranes that are designed to meet your needs in each unique situation.



Reverse Osmosis

Reverse osmosis (RO) membrane systems use a strong pressure gradient to drive water through a semi-permeable membrane, while leaving salts and other larger molecules behind. These systems are used for desalination of brackish waters and seawater, purification of ingredient and process water, as well as recovery of industrial and municipal wastewater.



Analyzers and Instruments

As one of the world's leading manufacturers of total organic carbon (TOC) analyzers and analytical instruments, we provide superior technology, design, quality and service with Sievers* TOC Instruments.



ZeeWeed* Ultrafiltration (UF)

ZeeWeed UF hollow-fiber membranes are designed with a robust life expectancy, giving you confidence in your water treatment system's operation and helping you comply with regulatory requirements. ZeeWeed membranes are used for drinking water, wastewater, tertiary and water reuse applications, as well as industrial feedwater and reverse osmosis (RO) pretreatment.

Resourcing the world

Veolia Water Technologies
Please contact us via:
www.veoliawatertechnologies.com