

Chemical Kinetics
The Channel Partner of
***Veolia Water Tech* for Pakistan**

Global Expertise, Local Impact

€28.5	Billion Revenue
~220,000	Employees
5.2	Billion M ³ Wastewater treated in 2020
350,000+	Metric Tons Plastic waste recycled worldwide 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 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 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 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

Water
wastewater
desalters
analyzers



On-site Services

Commissioning
mobile assets
advisory
outsourcing



Water Chemistry

Boiler
cooling
wastewater
membranes



Process Chemistry

Corrosion
inhibitors
emulsion
breakers
H2S scavengers
fuel additives

+



Digital Tools

InSight*
TrueSense*
COMS*

+



Innovation

In-house R&D
industry
partners
training

=



References

Global
customers
local service &
support
across industries

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

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.



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.

Chemical Kinetics The Chanal Partner of Veloia Water Tech for Pakistan



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