

Total Solution Provision for Water & Process



Aqua Chem

Total Solutions For Water & Process

Manufacturing Company:

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Trade Company:

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Aqua Chem is a leading Water & Process treatment Company that provides extraordinary value through its Cutting Edge Technologies and Application Expertise in Industrial, Municipal, Commercial and Institutional facilities. Aqua Chem is a reputed name in engineered speciality chemical treatment programs for influent water, boiler, cooling, wastewater, and process water systems. Our team is a specialist when it comes to catering to your Water & Process needs and helping you operate your plant or facilities at optimum performance while reducing operational costs and ensuring environmental compliance. With offices in the Gulf & the African Continent, Aqua Chem provides top-of-the-line Field Service and Technical Expertise to your applications in a timely and compliant manner.



ISO 9001:2008 accredited



The work Cycle

Aqua Chem is focused on delivering the best in the industry and this ambition can only be achieved with the highest levels of dedication and commitment. Our Work Cycle is tailored to meet the highest levels of efficiency, dedication and commitment towards our Customers.

Diagnosing the problem

In line with the Ask-Listen-Deliver methodology, our Specialists visit our customer site, listen to their concerns and problems and do an in-depth study of the issues involved in order to ensure a correct diagnosis of the problems. Back-up support is available through our Advanced Chemical Laboratory and Technical Experts.

Devising an optimum remedy

Once the Diagnosis of the problem is accomplished, our Technical Experts devise an Optimum remedy that is best suited to solve the customers concerns and problem. Aqua Chem Water & Process Technologies offers innovative solutions that not only protect your assets but allow you to function pro actively By maximizing run times, reducing maintenance, saving energy, and enhancing product quality, Aqua Chem helps improve the products and services you deliver.

In an ever challenging scenario where environmental and Compliance regulations are becoming tougher, industries are faced with constant pressure to comply. Water & Process Technologies from Aqua Chem provide compliant solutions to make your organization more profitable and efficient.



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Perfect medicine to fix the system

Aqua Chem Chemical & Equipment offerings are amongst the best in the industry. We offer solutions that deliver optimum performance, cost economy and asset protection allowing you to achieve your performance and compliance targets.

Our consultants are trained to provide the best of services:

- Qualified Plant and Process audits and surveys
- Qualified consultancy and reporting
- Laboratory and inspection services
- Destructive & Non-destructive testing

Aqua Chem delivers value by giving you comprehensive service and support for any new or existing processes or applications. We guarantee bottom line savings through our value added offerings.

Implementation of remedy

Aqua Chem specializes in providing expertise, experience, knowledge and intellectual equity through its Consultants, thereby helping you optimise your processes. Our Consultants have a proven track record of Problem solving, Performance Monitoring and ultimate provision of proof of cure to our customers.

Aqua Chem provides you a comprehensive Water & Process treatment programme designed to match your needs. Working closely with you, our service team shall strive to develop specific solutions that include:

- Service and preventative maintenance programmes
- Water & Process treatment up to turnkey design
- Building, owning, operating and maintaining contracts
- Value added offerings that include: Analytical Services, Audit & Consultative Services, Training and Field Services

Injection/monitoring and dozing systems

Aqua Chem provides through its Alliance partners a comprehensive range of Dosing and Monitoring Equipments and technologies to accurately inject the right amount of treatment chemicals and monitor KPI's for optimised system performance.

With Aqua Chem you can supervise your treatment programmes right from your desktop, and track how well they support your critical business objectives. Optimising your water treatment system with Aqua Chem can help reduce your total cost of operation. Our water treatment experts will help you in remote monitoring and on-site supervision, detecting potential issues and addressing them pro actively

Technical Support

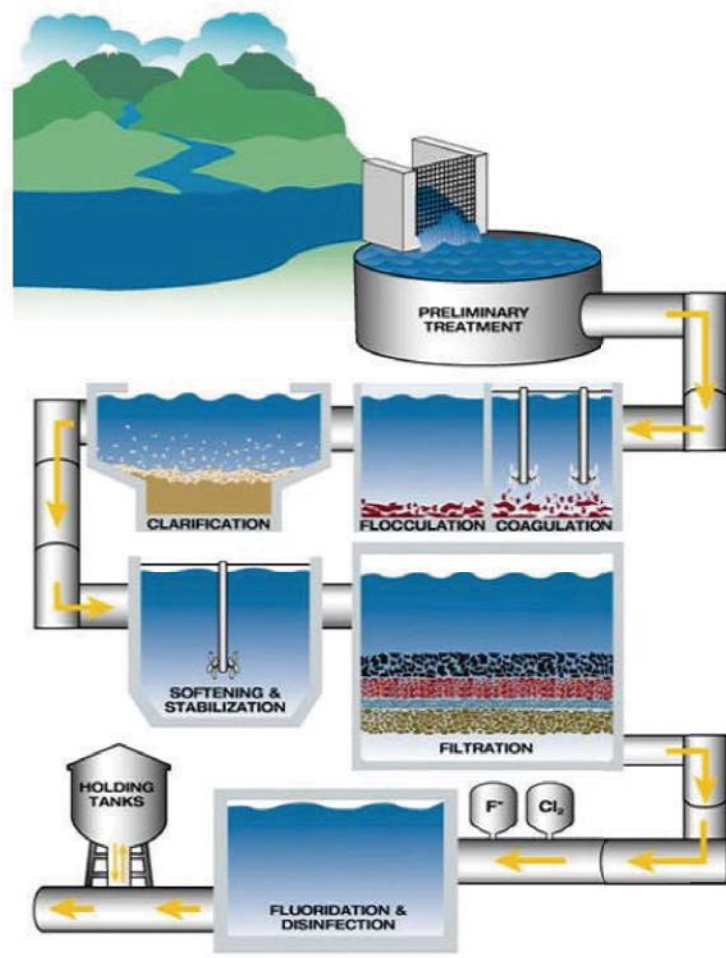
Aqua Chem has the ability to supply superior technical services and solutions. Our representatives through their exhaustive knowledge of water and process treatment products and techniques can provide value additions at our customer sites. Diagnosis and monitoring is conducted through advanced equipment and techniques to generate optimum solutions for our customers.

Proof of Cure

Our Consultants work with the customer technical teams to provide the Proof of Cure through diligent and qualified tracking of the KPI's at our customer sites. Validation of the solutions provided is a key aspect of Service and Solution provision for our Field Representatives.



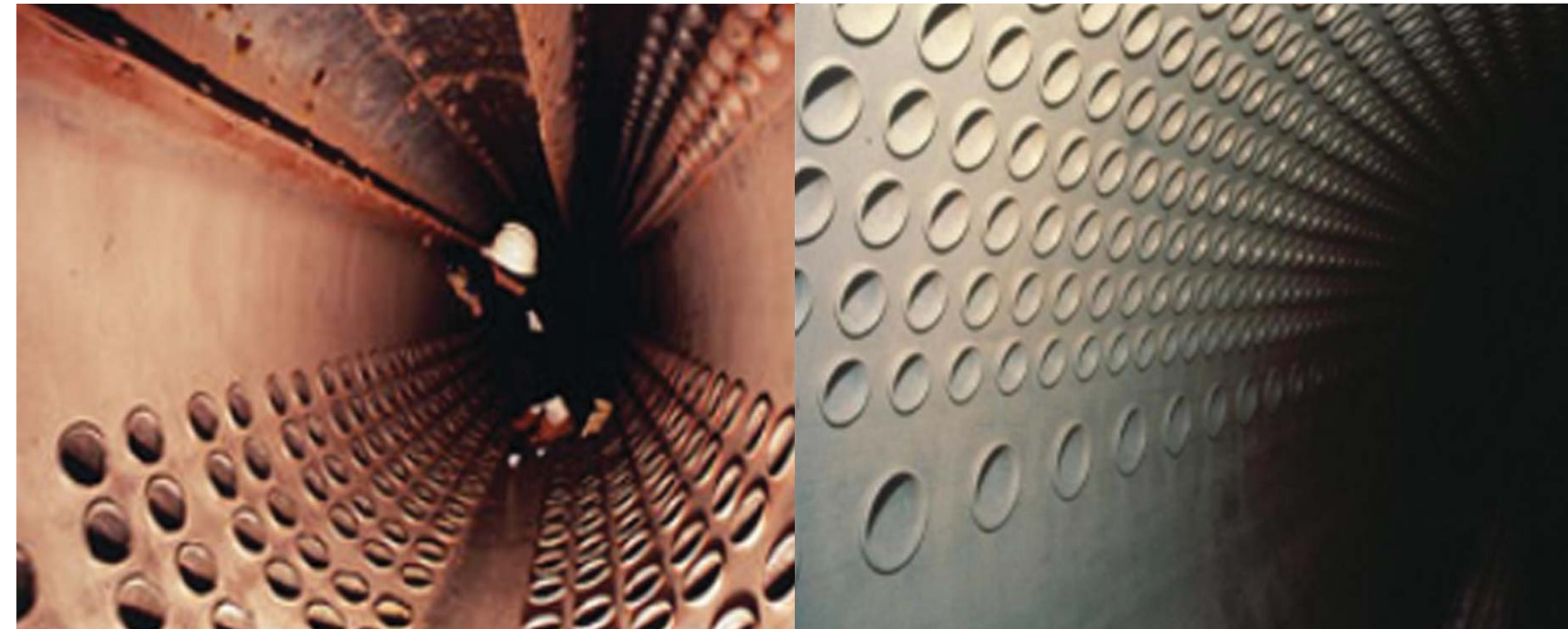
Products



Influent Water Clarification

Aqua Chem offers a complete capability in the treatment and preparation of influent water. The surface water can be treated to conform to drinking or industrial water standards through Aqua Chem Equipments and Treatment Technologies. The quality of the influent water is the starting point for most industries/municipal corporations etc. in order to provide safe and superior water quality for their utilities/process or other end user applications.

Aqua Chem provides complete treatment systems (Equipment and Chemicals) for the treatment of these waters (RO Plants, Filtration systems, Clarification treatment chemicals–Flocculents, Coagulants etc.) to conform to individual user needs. Aqua Chem technologies are designed to ensure superior removal of organic color, calcium and magnesium hardness, iron, and suspended solids from your influent waters to provide optimum downstream performance.



Before

After

Boiler water treatment

Aqua Chem Boiler Water Treatment Technologies provide Scale & Corrosion protection of Industrial boilers through comprehensive range of Oxygen Scavengers, Internal Treatments and Steam & Condensate corrosion treatments to improve Boiler reliability, Longevity & Optimised Performance.

Our Product range covers capabilities in protecting low pressure to high pressure boiler applications ensuring optimum performance, asset protection and Industrial compliance.

Our Boiler Package includes:

- Technical Audits
- Consultancy services
- Water Treatment Chemicals
- Technical Services
- Specialized Laboratory services eg. Chemical analysis, Deposit Weight Density measurements, Tube Failure analysis, Low level metal analysis etc.
- Boiler Inspections
- Boiler Automation Packages
- Chemical Dosing System



Cooling water treatment

Efficient operation of your cooling system is key to your process requirements. Corrosion, Scaling and Microbiological problems associated with cooling water systems can lead to asset erosion, maintenance issues, excessive energy costs, improper efficiencies etc. Poor feed water qualities, water reuse issues etc. can mean further complications, necessitating a qualified treatment programme. Aqua Chem Cooling Water Treatment Technologies provide superior protection allowing efficient system operations with improved longevity, energy savings and environmental compliance.

Our Cooling Package includes :

- Technical Audits
- Consultancy services
- Water Treatment Chemicals
- Technical Services
- Specialized Laboratory services like Chemical Analysis, Failure analysis, Rig Studies etc.
- System Inspections & Risk analysis
- Cooling Automation Packages
- Chemical Dosing Systems



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Desalination Plants

Aqua Chem provides complete Desalination and pre-treatment packages together with associated services and spares provision. We also cover the full range of associated chemical provision such as Resins, Filter media, antiscalants, biocides, cleaners, coagulants, and filtration aids. Our Equipments are world class and are amongst the lowest life cycle cost designs.

Our RO Package includes:

- Consultancy services
- Water Treatment Chemicals
- Technical Services
- Containerized RO plants
- Complete RO plant packages
- Cartridge Filters
- Chemical Dosing Systems etc





Waste water treatment

Waste water treatment is taking increasing prominence due to stringent environmental discharge compliance measures being adopted by most countries. Aqua Chem treatments provide BOD/COD reduction, color removal, oil removal, TSS removal to ensure compliance to the most challenging of discharge regulations. We offer a comprehensive range of Clarification Polymer aids, ensuring quick and complete stability of biological solids, sludge dewatering aids, antifoams, Odor control technologies, bio-augmentation products etc. to ensure discharge of high quality water meeting local environmental standards.

Aqua Chem delivers total waste Water solutions – turn key provision of waste water treatment plants and complete range of Waste water treatment chemistries to help meet tough compliance requirements.



Aqua Chem-Prominent-ProMaqua Alliance

Water & process treatment equipment

Aqua Chem offers advanced solutions for chemical dosing and control. Complete Cooling, Boiler, Process & Waste Water dosing and control automation solutions can be provided to suit individual plant needs.

Our Package includes :

- Chemical dosing pumps & accessories
- Advanced dosing skids
- Complete Automation packages
- Monitoring solutions
- Data logging etc.
- On line Analysers



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Applications

Hydrocarbon Processing

Aqua Chem offers treatments and expertise for the Hydrocarbon Processing Industry .

We offer Treatments related to :

- Overhead Corrosion control
- Fouling control
- Corrosion control
- Utilities
- Finished Product Additives
- Amine Unit Treatments
- Advanced Catalyst Technologies for Hydrocarbon processing

Food & beverage industry

Aqua Chem offers chemical Treatments related to :

- Pasteurisers
- Can & Bottle protection
- Chain lubrication
- CIP treatments
- Anti-scuffing treatments

Other Industries

Aqua Chem offers comprehensive solutions for Sugar, Paper & Mining Industry

Sugar

- Sugar Process Biocides
- Juice & Syrup clarification
- Sugar evaporator antiscalants
- Viscosity modifiers etc.
- Utilities
- Waste Water Treatments

Paper

- Influent Water treatment
- Process Biocides
- Utilities
- Fuel Oil Treatment
- Paper Sizing treatments
- Bio-augmentation- Waste Water treatments

Mining

- Influent Water treatment
- Antiscalants & Dispersants
- Heap Leach treatment chemicals
- Crystal Growth Modifiers
- Defoamers
- Filter & Dewatering aids
- Corrosion Inhibitors
- Biocides
- Boiler & Cooling Water Treatment chemicals



Commercial & Institutional Industries

Aqua Chem has the knowledge and expertise to handle all of water treatment needs by maximizing heating and cooling efficiency and driving down fuel usage, water consumption, labour and maintenance cost.

We provide our services at Five Star Hotels, University campuses, government buildings, airports, office buildings, and district heating plants. Complete treatments and services enhance cooling tower and boiler performance and protect these critical assets against corrosion, scaling and biofouling.



Geographical Presence



UAE

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