

Aquatech

INTEGRATED WATER SERVICES



OPERATION AND MAINTENANCE SERVICES

Ensuring optimal plant life cycle management and performance

With more than 30 years of experience designing and supplying a full range of industrial water and wastewater treatment systems, Aquatech knows what's required to maintain advanced technology equipment and enhance a plant's life cycle for the best possible performance with minimal downtime.

The IWS Operation and Maintenance (O&M) team works closely with each customer to identify goals and create a customized value plan that will result in improved equipment uptime and performance, enhanced water productivity and operating cost optimization.

Aquatech offers three levels of O&M services, localized across continents:

- 1** Basic operation and maintenance
- 2** Comprehensive operation and maintenance, which includes spares and chemicals
- 3** Value-added operation and maintenance modules with fixed and variable cost options





INTEGRATED WATER SERVICES (IWS)

Delivering long-term, sustainable, reliable and cost-effective treatment solutions with a favorable return on investment.

Aquatech offers the IWS approach to our customers by leveraging knowledge and experience in a wide range of technologies, industries and applications.

IWS utilizes Aquatech's expertise in process engineering, systems design and O&M services – along with high-performance specialty chemical treatment programs –

to deliver solutions that efficiently reduce fresh water consumption by maximizing wastewater recycle/reuse.

This single, integrated offering includes equipment design, chemistry, performance-based operations and maintenance contracts to help our customers lower costs, increase efficiency and achieve environmental goals.



Packaged Equipment

Pre-engineered by Aquatech experts

- Media Filtration
- Ultrafiltration
- Reverse Osmosis
- Electrodeionization
- Membrane Bio Reactor
- Moving Bed Bio Reactor



Performance Chemicals

- Cooling Water Treatment
- Boiler Water Treatment
- Boiler Fireside Treatment
- Membrane Antiscalants and Cleaners
- Thermal Evaporator Antiscalants and Antifoam
- Pretreatment and Wastewater Chemicals



Value-Added Services

Performed by experienced professionals

- Build, Own and Operate
- Operations and Maintenance
- Annual Service Contracts
- Remote Monitoring
- Retrofits and Upgrades
- PLC and Automation Upgrades



TECHNOLOGIES

- Process Engineering
- Advanced Technology Equipment
- Performance Chemicals

OUTSOURCING

- Contract Operations
- Build, Own and Operate
- Leasing and Rental

ONGOING SUPPORT

- AMC
- Diagnostic Services
- Remote Monitoring

PROBLEM-SOLVING

- Audits
- Retrofit Services
- Customized Piloting



SPECIALTY CHEMICALS

Delivering value and performance in the world's most challenging industries

Aquatech professionals work on-site and at the lab to customize, test and stabilize treatment initiatives in order to bring to customers the latest, technologically advanced chemical solutions that will result in improved processes and ultimately, profits. The right chemicals and proactive service at the site can make a significant difference to operational performance. Our high performance CHEMSOL® and MEMGARD® range of water treatment specialty chemicals target boilers, cooling towers, reverse osmosis, thermal evaporators and a host of other aqueous systems to ensure efficient, trouble-free operation of plants and equipment.

INDUSTRIES SERVED



Petrochemical and Refinery

Our latest polymer technologies keep fouling under control even in low velocity areas, while our treatment programs ensure robust corrosion and scale protection.



Steel

Our solutions include treatment of scrubbers, direct cooling systems and high temperature applications, as well as critical closed circuit and indirect cooling water treatment.

INDUSTRIES



Power

Our treatment program ensures condenser cleanliness for extended periods. Condenser vacuum is maintained close to "just cleaned" levels by controlling scaling, biofouling and deposits of transported corrosion.



Manufacturing

We design treatment programs for a variety of industries including fertilizer, chemical, textile and pharmaceutical. We consistently deliver solutions that help our customers meet their cooling, boiler water and membrane protection requirements.

SPECIALTY CHEMICALS

industries and applications

MAJOR APPLICATIONS

Boiler Water Treatment

Water chemistry solutions for high pressure boilers maintain boiler water and steam chemistry to minimize pitting corrosion, cold end corrosion and deposition on turbines. Turbine cleaning frequency has been reduced from once every three months to once a year in many installations.

Fireside Treatment

Designed to condition fuels ranging from coal and agro waste to liquids like FO, RFO, diesel and more, our fireside treatment products reduce the problems of slag, clinker, cold end corrosion, and acid smut associated with poor combustion.



Membranes

We provide state-of-the-art technology for membrane scale prevention and cleaning. Our MEMGARD® range of products restore membranes to almost original capacity. Our effective cleaning products have resulted in increased permeate recovery and improved permeate quality.



Cooling Water

Our products offer proven performance. In large petrochemical, fertilizer, power plant, steel mill and numerous other manufacturing applications, they maintain excellent heat exchanger cleanliness. This is evidenced by high productivity year after year and verified by rigorous inspection during planned turnarounds/shutdowns.



Thermal Evaporators

Our high temperature antiscalants and antifoam products have been effectively applied on different types of distillation and ZLD applications. These proven methods are used to protect installations from scale and maintain good distillate quality.

APPLICATIONS

GLOBAL HEADQUARTERS



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“Aquatech’s unique spread of experience is unmatched by any other water treatment specialist. Where other companies suggest a particular technology because it’s the one they know, Aquatech customers know they will always get the most appropriate solution for their need.”

- Global Water Intelligence

