

the competitive edge.

GE Infrastructure Water & Process Technologies customers have run ethylene processes continuously for as long as eight years. That's the ultimate proof of our water and process treatments. Year after year, GE helps producers earn more profit by lengthening run times, boosting energy efficiency and extending equipment life.

GE serves ethylene producers worldwide as a single source for treatments and services. We deliver chemical formulations the industry has trusted for more than 100 years. Our membrane technologies drive down the cost of water treatment and separation. Sophisticated monitoring tools help producers detect and address issues early and manage processes proactively.

With a global commitment to innovation, we develop new treatments and technologies that help drive unmatched system performance in your process.

With GE, you know precisely how water and process technologies help your bottom line. We jointly create a Value Generation Plan identifying projects that deliver on your strategic objectives, using our service and product solutions.

- Improve productivity
- Optimize critical equipment life and performance
- Increase process uptime
- Drive out costs
- Reduce waste
- Improve safety and regulatory compliance

After implementation, improvements are verified and maintained.

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GE Infrastructure
Water & Process Technologies
Ethylene Production

unmatched system performance



achieve



efficiency and added run-length.

Proven treatments optimize your process and safeguard your assets

You can count on GE for the full spectrum of treatments – on both sides of the heat exchanger. Betz chemical treatments safeguard your critical equipment: preventing process performance degradation – and maintaining clean heat-transfer surfaces. Customized treatments address run-length and reliability needs in cracking furnaces, oil and water quench systems, fractionation and caustic towers, reboilers, intercoolers, GHU and other critical process equipment. Formulations include:

- Anti-polymerants
- Anti-foulants
- Anti-scalants
- Corrosion inhibitors
- Microbiological control agents
- Coagulants
- Flocculants
- Emulsion breakers

Our water treatment chemistries improve uptime and efficiency in boilers, cooling towers, and influent and effluent water treatment. We can help you reuse and recycle water throughout your process and minimize water consumption in cooling towers.

Osmonics membranes, renowned since 1969, help safeguard critical equipment while reducing capital and operating costs. Membrane treatments deliver high-quality boiler feedwater and, in new construction or expansion, can displace more costly demineralization systems.

Innovations that give you a competitive edge

As a GE customer, you benefit from the strength of a globally respected company with more than 100 years of water and process experience. The GE Global Research Center and Water & Process Technologies scientists work together to bring innovation that can help your business. For example:

- InSight* remote monitoring and diagnostics helps protect your assets, cut operating costs, and improve environmental, health and safety programs. You can monitor your systems over the Web and adjust as needed to ensure optimum process performance.
- CheX* heat exchanger performance analysis enables the optimum treatment approach for fouling prevention.
- Pacesetter Platinum* combines the controls expertise of GE Fanuc with the program and systems expertise of Water & Process Technologies to provide accurate and economical chemical treatment.
- Innovations under development include non-destructive testing (NDT), compressor monitoring programs and membrane separation technologies to enhance process performance and efficiency.

Our people: Your greatest resource

Our service professionals understand how to get the most from your processes. GE technical field representatives work on your site as members of your team with a personal stake in positive outcomes. They help you by:

- Analyzing processes and prescribing treatments
- Performing diagnostics and troubleshooting
- Servicing and maintaining equipment
- Benchmarking and applying best practices
- Using Six Sigma methods to solve your most difficult problems – permanently

Contractual Services

Our Contractual Services program offers a zero capital outlay alternative for membrane separation, monitoring and dosing equipment. From temporary mobile water solutions, to complete build-own-operate-maintain arrangements to water and process chemical program management, GE can design a contractual services solution to meet your specific needs.

