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GE Infrastructure
Water & Process Technologies
EDC-VCM

targeted
results



long-term performance,

Higher production at lower cost

Unique offerings from GE Infrastructure Water & Process Technologies help EDC-VCM plants optimize performance and earn maximum profit. Our products and services help producers:

- Increase run length between maintenance outages
- Maximize throughput and increase production
- Reduce cleaning and equipment replacement costs
- Improve EDC recovery
- Increase heat transfer efficiency
- Reduce hazardous wastes and operator exposure

GE, a globally respected company, is a proven performer in the chemical processing industry. With more than 100 years of heritage in water and process treatments, we deliver Betz chemistries and Osmonics membrane separation technologies.

Our people bring deep knowledge of the EDC-VCM process to deliver the most effective solutions for your facility. On-site system monitoring and program controls ensure maximum efficiency from your process and supporting utilities.

continuous improvement

The advantage GE brings you today will grow even bigger tomorrow. Our Global Research Center, part of a USD \$200 million annual R&D investment, makes discoveries each year that can directly benefit your business. Our new and developing offerings for EDC-VCM production include:

- InSight* remote monitoring and diagnostics to 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, providing the optimum treatment approach for fouling prevention.
- Pacesetter Platinum* chemical feed control, combining 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 monitoring capability for improved detection and control of corrosion and fouling; and membrane separation technologies that enhance process performance and efficiency.

A partnership with GE helps you optimize your business today and gain a competitive advantage for tomorrow.



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maximum results

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A world of expertise on your side

Count on GE to help your EDC-VCM operation reach full production potential and achieve excellent return on investment. Working with scores of plants worldwide, we offer treatment applications that help optimize:

- EDC column
- EDC vaporizer
- Water quench and wash columns
- Drying column
- Light ends column
- HCl recovery column
- Heavy ends column
- VCM column

GE treatments control fouling, corrosion and foaming. Our dispersant antifoulants prevent fouling caused by sludge, tar, polymers and particulate matter without contaminating finished product. For example, we helped a European plant where organic fouling on the recirculation loop and coking in the first tube rows limited run lengths to four to six months. The GE treatment program increased run time to five years without cleaning, and VCM production increased by 10,000 tons per year.

On the utilities side, GE delivers field-proven treatments for condenser cooling water and reverse osmosis (RO) membrane treatments for boiler feedwater.

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

Services to fit your needs

Our Customized 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 Customized Services solution to meet your specific needs.

We don't just promise value – we prove it

Our global customers in the chemical processing industry expect us to deliver solutions in five key areas.

- Reliability
- Process and energy efficiency
- Production run length
- Safety
- Environmental compliance

With GE, you know precisely how our treatment programs deliver on your objectives. Together, we create a Value Generation Plan to identify and prioritize our project focus at your site. After evaluation and implementation, we verify and maintain the improvements. Your local representative belongs to a worldwide team of GE laboratory and engineering experts with extensive EDC-VCM experience and expertise. GE is the global leader in EDC-VCM plant treatment programs.

