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GE Infrastructure
Water & Process Technologies
Power Industry

generating
value



More power more efficiently

You demand solutions that allow your facility to efficiently and reliably supply more power to your customers. That's why you need GE Infrastructure Water & Process Technologies. Our solutions help you produce more power more efficiently – with less maintenance and lower risk of outages.

From nuclear and coal base-load plants to gas-turbine peaking units, we can help you enhance power output, reduce cost and ensure compliance with environmental regulations.

We support your business with a broad range of chemistry, equipment and services specifically designed to meet your water and fuel needs. Generate greater efficiencies in your plant through our revolutionary pretreatment, cooling and fuel treatment programs. Drive out costs by using fuel efficiently, keeping heat-transfer surfaces clean and improving cycled chemistry. Reduce water discharges, stack emissions and coal-pile dust. Automate chemical feed and dechlorinate and dehalogenate wastewater before discharge.

GE technologies allow you to deliver more power more efficiently with less waste.



illuminating solutions

more megawatts per serving



Produce more power to the grid with GE water and process solutions. As part of a comprehensive plan, these resources help you maximize profits and gain efficiencies throughout your operations.

- **Technical field representatives** – supply daily on-site personalized service and solutions. These treatment experts become members of your team. They help you identify problems, implement solutions and monitor processes for efficient power production.
- **Exclusive GE partnerships** – allow GE Infrastructure Water & Process Technologies total access to technologies from other GE businesses. Only we can leverage these developments and apply them to your industry.
- **Enhance revenues and plant efficiency** – at any stage of developing, building, maintaining or enhancing a facility. GE will partner with you before a plant is built to ensure that every system maximizes your opportunity for success.
- **Get support at every level** – with programs from total chemical management, to comprehensive service and maintenance agreements, to flexible financing plans for capital purchases.

With this combination of offerings, GE can help you detect operating problems before they become serious, protect your high-value assets, and prevent unplanned downtime and service interruptions.

Increase productivity through efficient operations

Customized Services from GE Infrastructure Water & Process Technologies can give you the edge you need to boost overall plant productivity. By allowing us to provide the water your plant demands, you free up valuable resources – time, manpower and capital – that can be redirected to improve your core operation. From mobile water programs to complete build-own-operate-maintain arrangements, GE can design an outsourcing solution to meet your specific needs.

Investing in technology to solve every challenge

You benefit from our dedication to global research and development that constantly delivers new and better water and process technologies. Our Six Sigma methodologies allow us to find solutions to your most difficult issues and resolve them permanently. With a long reputation for excellence through our roots in Betz and Osmonics, GE is uniquely able to develop forward-thinking solutions:

- New membrane filtration technologies for boiler feedwater
- Advanced chemical treatments for cooling water that protect heat-transfer surfaces
- Combustion technologies (additives)
- Zero liquid discharge
- Mercury control
- Non-destructive testing (NDT)

These latest and best technologies allow you to operate more profitably to gain or maintain a competitive edge.



power tool

GE provides tools to prove the value of our solutions with real documentation. Our Value Generation Plan is the only program that verifies and quantifies how water and process technologies affect your key business results: productivity, uptime, cost control, waste reduction and environmental compliance.

You also benefit from:

- People dedicated to your success
- Technical knowledge of power generation processes and water chemistry
- Optimized power plant performance
- Continuous performance monitoring
- Detailed performance reporting

Plus, we offer performance guarantees to ensure cost and energy efficiencies every step of the way.

Lighting the future

Just as your business seeks continuous improvement, GE pushes the limits of water treatment and process technologies, considering not just your needs today but your needs tomorrow.

We help you maximize power generation to address growing demand, while eliminating or reducing emissions and waste to meet increasingly restrictive environmental regulations.

These solutions help decrease your overhead, increase your financial stability, and make you more competitive.

Our global R&D services provide unlimited potential for future innovations that will anticipate and meet your changing needs.

As a global leader in innovative equipment and services, GE is committed to seeking and delivering the technology to continually enhance your water and process systems.