



# PETROCHEMICAL TECHNOLOGIES

Let our chemistries advance the  
production of yours.

**Rely on state-of-the-art petrochemical solutions from Buckman.**

Petrochemical plants produce the compounds that go into critical products we all depend on. That's why Buckman is proud to provide extensive support for petrochemical production. By staying on the cutting edge of technology and aligning ourselves with key strategic technology partners, we are able to serve as your comprehensive one-stop shop for industry-leading process chemistries, water treatment, technical expertise, and monitoring. Buckman's petrochemical solutions can help you protect equipment, optimize performance and increase output—all while reducing risk and the use of valuable resources.

**Buckman**<sup>TM</sup>  
Chemistry, connected.

# Run cleaner, longer, cheaper.

Look to Buckman to help keep plant performance at its peak, minimize downtime, extend the life of equipment and save money on chemicals and energy. We can help you improve performance in all these critical points of production:

## Quench Tower (oil or water)

- Inhibitors to mitigate polymerization reactions
- Antifoam

## Furnace

- Coke inhibition

## Compressors

- Dispersants to prevent foulant accumulation
- Inhibitors
- Corrosion control

## Caustic Tower

- Scavengers and inhibitors to win the fight against acid gases and aldol condensation

## Separation Towers

- Polymerization inhibitors and dispersants to optimize separation

## Accumulation Vessels

- Demulsifiers

## Reduce water use.

Buckman has a full range of water treatment products and procedures that can make your plant's water use more sustainable. We've helped plants use water with higher levels of salts, organics and solids—waters that would have been considered unusable in the past. In addition, we have a strong track record of support for zero liquid discharge plants. Our water recovery and reuse technologies include:

- Desalination
- Membrane desalination
- Biological thermal treatment plants
- Organic / COD removal
- Solid-liquid separation
- Scale & corrosion treatment for high solids loading and increased COC waters

## Improve microbiological control and effluent with Oxamine.®

Unaffected by high organic demand, Oxamine is more effective and cost efficient than conventional antifouling options and can significantly reduce the need for chlorine and other chemicals that can harm the environment. In addition, Oxamine comes with its own proprietary feed equipment to offer superior safety. It's the only technology on the market with all these advanced features:

- Leak-proof cabinet and double-walled feed lines
- A built-in separator to keep active ingredients apart in the case of a line break or other issue
- Automatic flushing in case power is lost
- Periodic inspection by Buckman personnel to ensure efficient, safe operation

With Oxamine, the potential for human contact with chemicals is greatly reduced. And so are unexpected costs because the equipment is owned and maintained by Buckman—no capital investment is necessary. And we'll link it to your DCS or remote monitoring system so you can track vital activity.



## Get 24/7 support and the insight of Buckman OnSite®

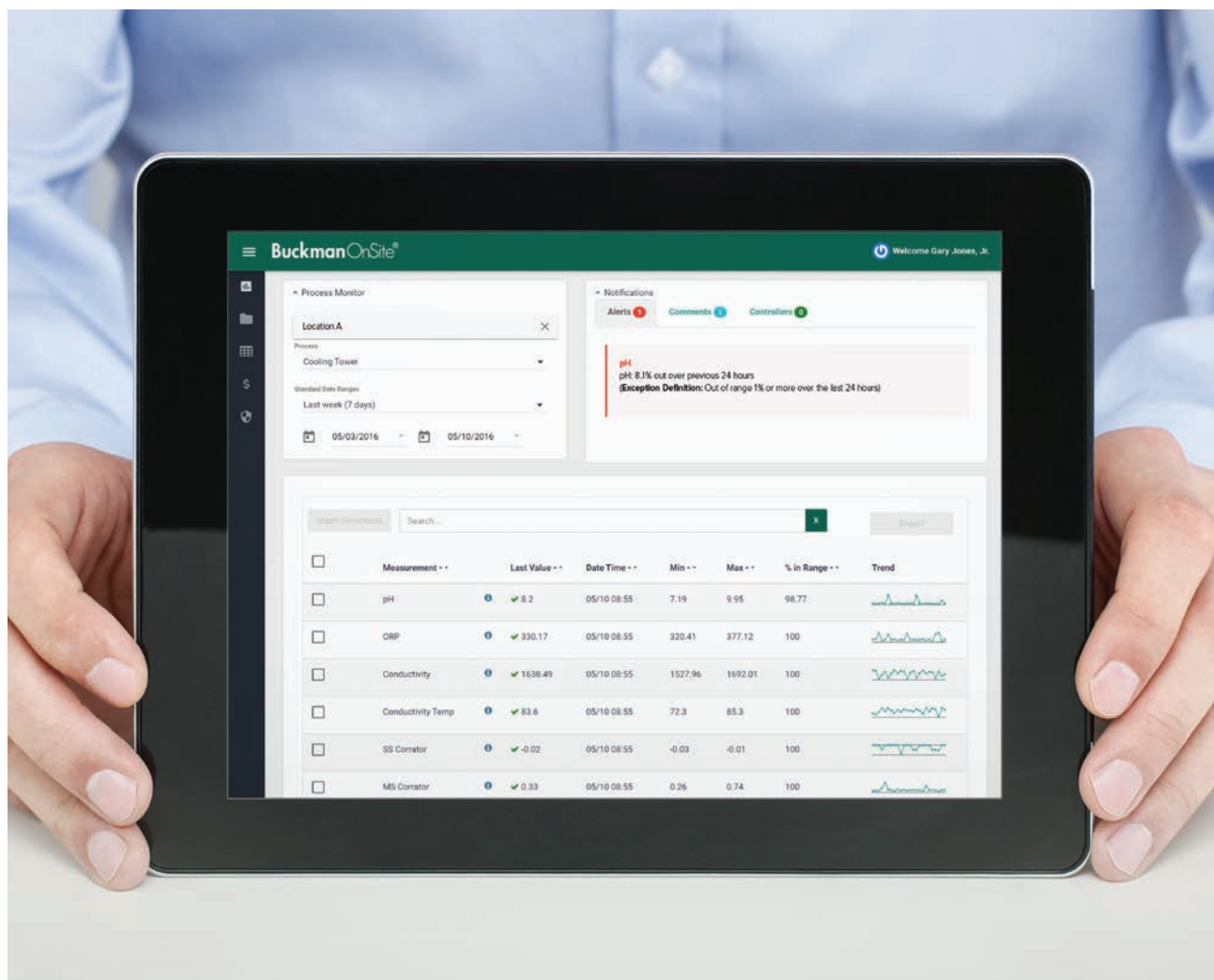
We don't just sell products, we provide hands-on service and, in most cases, assign technical personnel to work full-time on the premises. We will evaluate your challenges, customize solutions for you, and provide application expertise, training and ongoing monitoring to ensure success.

With the latest cloud-based versatility and advanced functionality, the Buckman OnSite remote monitoring system offers you unmatched visibility into your

plant's water system data, so you can have unprecedented power over performance. Get important alerts. Quickly access comments and manual data. Use advanced tools for comparative graphing, tracking, in-depth reporting and more. It's real-time data you can access from any computer or smart device, anytime, anywhere. All to help your plant save time, labor, chemicals, and money.

### Learn more

Make your petrochemical production more productive, profitable and sustainable. Contact your Buckman representative or visit [buckman.com](http://buckman.com) for more information about our petrochemical solutions.





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