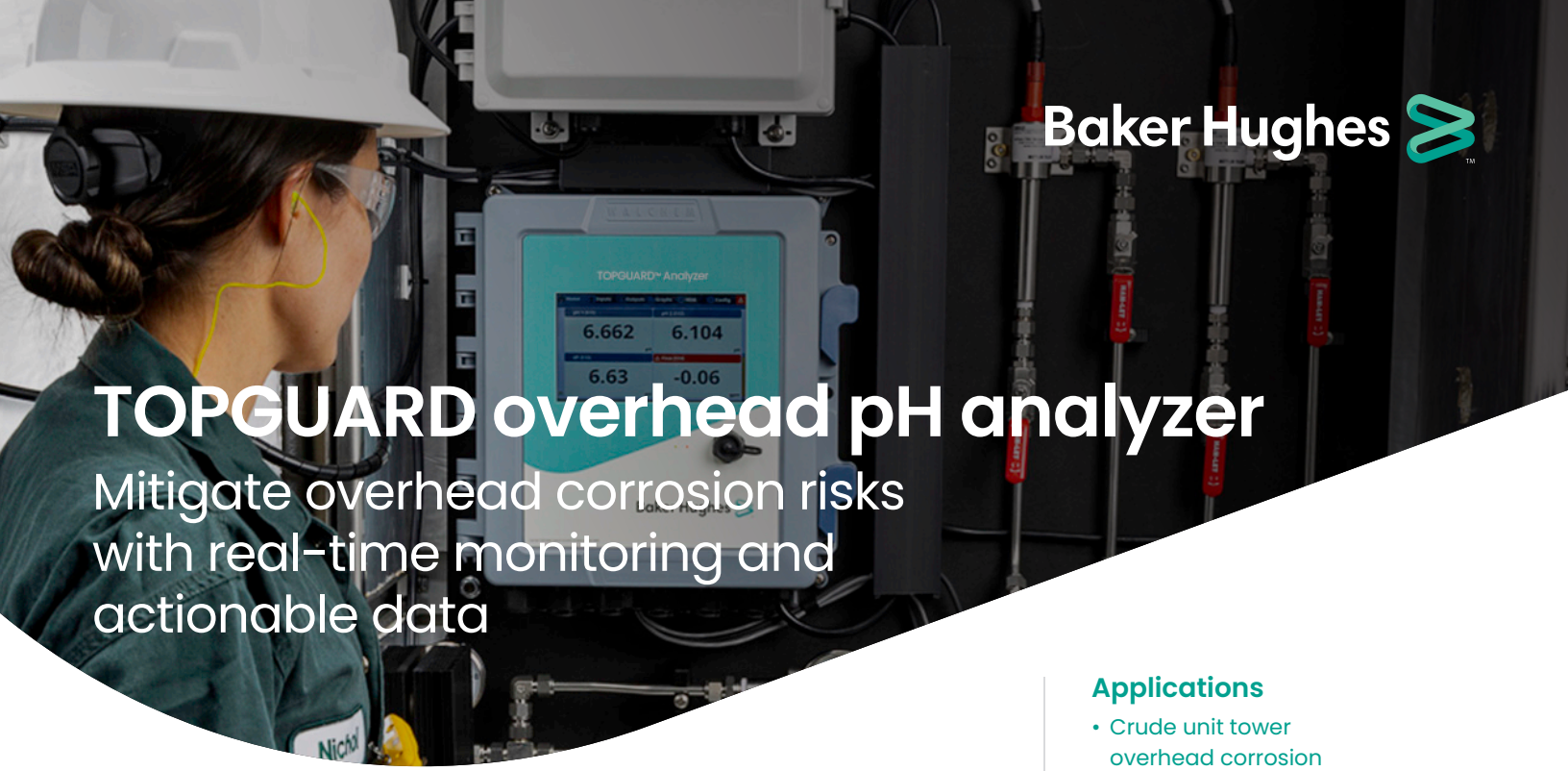

Baker Hughes

TOPGUARD overhead pH analyzer

Mitigate overhead corrosion risks with real-time monitoring and actionable data

As new types of feedstocks are discovered, the quality of crude continues to decline, causing overhead corrosion to be more of a challenge than ever before. Many are operating above design limits to meet these new crude challenges, leading to an increase in corrosion problems. Conditions that lead to aggressive corrosion can occur over a relatively short time and may go unnoticed by traditional monitoring programs. Recognizing the need for increased monitoring to better identify the magnitude and duration of these corrosion risks, Baker Hughes has developed the TOPGUARD™ pH analyzer.

Reliable, dependable, and versatile

The TOPGUARD pH analyzer offers real-time connectivity to the same secure ProductionLink™ platform trusted by oilfield producers across the globe. Real-time data monitoring and alarms provide quick detection and notification of changing conditions, assisting users with responding to potential problems before they impact operations. Control points can be updated remotely, and only through the secure Baker Hughes network. Data from the TOPGUARD pH analyzer can be simultaneously streamed back to the facility DCS system to keep operators actively involved and aware of system operations.

Customizable solutions to fit your system needs

These automated solutions are specifically designed to meet your system needs and optimize your chemical treatment program. Contact your Baker Hughes representative to learn how the TOPGUARD pH analyzer can enhance savings and increase the efficiency of your plant operations.

Process variables

- pH #1
- pH #2
- Sample flow rate
- Filter differential pressure

Applications

- Crude unit tower overhead corrosion

Benefits

- Respond quickly to upsets, optimize treatment programs, and reduce operational costs with continuous monitoring capabilities
- Enable real-time notifications to operators via direct communication to facility control systems
- Optimize allocation of resources, reducing lab sampling and analysis costs
- Control critical treatment parameters using next-generation probes and analyzers