NALCO Water
An Ecolab Company



Pathfinder™ Advanced Corrosion Control Program for Crude Overhead Systems

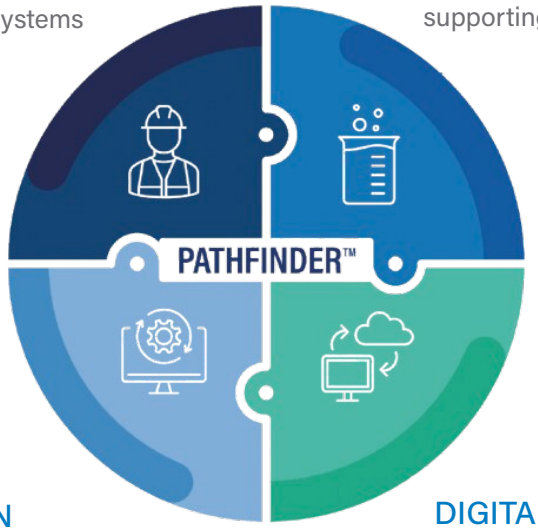
Nalco Water's comprehensive program combines proprietary chemicals, on-site service, automation tools, and digital insights to help maximize productivity while protecting assets.

ON-SITE SERVICE

Global technical expert network provides on-site service with guidelines for crude overhead systems and Nalco Water best practices

CHEMICALS

Proprietary, innovative technology to help enhance asset integrity while supporting productivity



AUTOMATION

3D TRASAR™ for Crude Overhead Systems helps improve unit reliability, optimize chemical treatment, and improve crude selection flexibility

DIGITAL

New digital twin technology for crude overhead modeling simulation provides 24/7 monitoring and insights for better control of distillation top temperature

ASSET PROTECTION

RELIABILITY

PRODUCTIVITY

eROI℠ by Ecolab

Pathfinder™ Advanced Corrosion Control Program

Automation

Nalco Water's 3D TRASAR™ for Crude Overhead Systems is an advanced automation unit for overhead monitoring to help:

- Improve crude unit reliability and reduce the risk of unplanned shutdowns through accurate real-time OVHD monitoring of key parameters, identifying, and mitigating threats before they can escalate.
- Auto-control relevant chemical treatment to help prevent fouling and corrosion, optimize chemical usage, and improve unit reliability and uptime.
- Maximize profit by extending unit runtime and improving crude selection flexibility.

Digital

Nalco Water's new Online Pathfinder provides 24/7 Crude Overhead Modeling Simulation, with the ability to run over 300 simulations a week with 3D TRASAR for Crude Overhead Systems. Connected to ECOLAB3D, the Online Pathfinder delivers digital insights and near real-time data for better control over the unit. A key tool for identifying, evaluating, and addressing corrosion issues.

Service

Nalco Water's global technical expert network has an average of 20+ years of experience. Our experts provide on-site service and industry best practices for chemical injection equipment, caustic control, wash water recommendations, dose locations, monitoring, desalting optimization, troubleshooting, and more. Our team of experts will work with you to help you better understand and manage risks after evaluating mechanical, operational, and chemical impacts.

Chemicals

Multiple innovative technologies to help maximize value for our customers by supporting:

- Corrosion protection to help improve assest integrity
- Improved salting properties
- Management of tower top operating window in a safe manner
- Improved desalter operation performance

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