

A close-up, artistic photograph of several large, industrial aluminum pipes. The pipes are arranged in a way that creates a sense of depth, with some in sharp focus and others blurred in the background. The lighting highlights the metallic texture and the circular openings of the pipes.

## Solutions for Industrial Water Treatment

# ALUMINUM INDUSTRY

Aluminum producers constantly strive to increase asset availability while achieving the highest level of safety and compliance. ChemTreat's water management strategies help improve operational reliability, protect employees and the environment, and ultimately make our customers more competitive.





ChemTreat continues to exceed customer expectations because we have a simple strategy: provide superior service with a long-term view, use the most current technology, and employ the best people. We leverage this winning formula to take on the most difficult industrial water treatment problems and succeed where others fail.

# The Best People

## Leveraging Our Resources to Deliver Peace of Mind

- Global network of experienced field engineers with a vested interest in your success
- Application Technology team with unparalleled industry expertise and problem-solving capability
- R&D group that specializes in the development of customized solutions
- Full-service analytical lab that offers comprehensive testing and quick turnaround

# Lasting Results

## Helping Our Customers Do More With Less

- Maximized energy efficiency through improved heat transfer and control systems
- Extended asset life with protection programs that efficiently utilize water & energy resources
- Increased productivity through reducing downtime for cleaning and maintenance
- Optimized system performance with programs tailored for high-stress conditions

# Sustainable Solutions

## Products & Services That Improve Performance While Protecting Natural Resources

- Reduced energy usage through customized system optimization
- Engineered solutions to ensure the safety of your valued employees
- Green product options that reduce the impact on the environment
- Proven strategies for water and wastewater reuse

# Continuous Innovation

## Advanced Technology For Complex Systems

- Customized products designed specifically for the aluminum industry
- Eco-friendly, high-performance cooling technology
- Turn-key solutions for on-site halogen generation
- Web-based water treatment communication and control systems



# ChemTreat's Enhanced Offerings



## Cooling Water

- Specialized chemistries for water reuse options
- High stress corrosion and deposit control programs
- Chlorine dioxide and other chlorine gas alternatives
- Online and off-line cleaning and passivation technologies



## Boiler Treatment

- High pressure boiler treatment programs and control strategies
- Chemistries and cleaners to optimize pretreatment system life and performance
- Full line of custom oxygen scavengers and amine blends



## Water Reuse and Wastewater Treatment

- Programs developed to promote environmental compliance
- Wastewater reuse as a source for cooling water
- Dewatering chemical optimization to minimize cost of operations
- Engineered solutions for improved productivity and asset protection



## Automation and Control

- Advanced automation and control designed to network with the plant DCS
- Fluorescence monitoring technology for traced treatment programs
- Web-enabled data management to provide real-time reporting and analysis



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