



Chem-Aqua®

LEADER IN COMPLETE WATER TREATMENT SOLUTIONS



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Chem-Aqua®

**Global leader in
water treatment solutions**



About Chem-Aqua

Chem-Aqua was created with the goal of providing high-quality service world-wide

- Wholly owned subsidiary of NCH Corporation, a world-renowned US company
- Established presence in the marketplace since 1919
- Unique combination of knowledge and experience in water treatment
- Leader in high-quality products, technical expertise, and specialized service
- Manufacturing according to ISO 9001 Standards and government regulations

Our Mission

Excellent results and low costs leading to savings

- We deliver environmentally responsible and cost-effective water treatment solutions
- We improve customer efficiency by conserving energy and water
- We make sure the use and application of our products is done correctly
- We build long-lasting relationships with our customers

North America, South America, Europe, and Asia Pacific

Present around the world

We offer water treatment solutions world-wide

- Chem-Aqua® is present in 5 continents
- We have more than 25 manufacturing plants and distribution centers in over 50 countries
- Our complete family of products and services is designed to take care of virtually every water need
- Research and analytical labs in every major region of the globe

Treating water all over the world.

Tratando agua en todo el mundo.

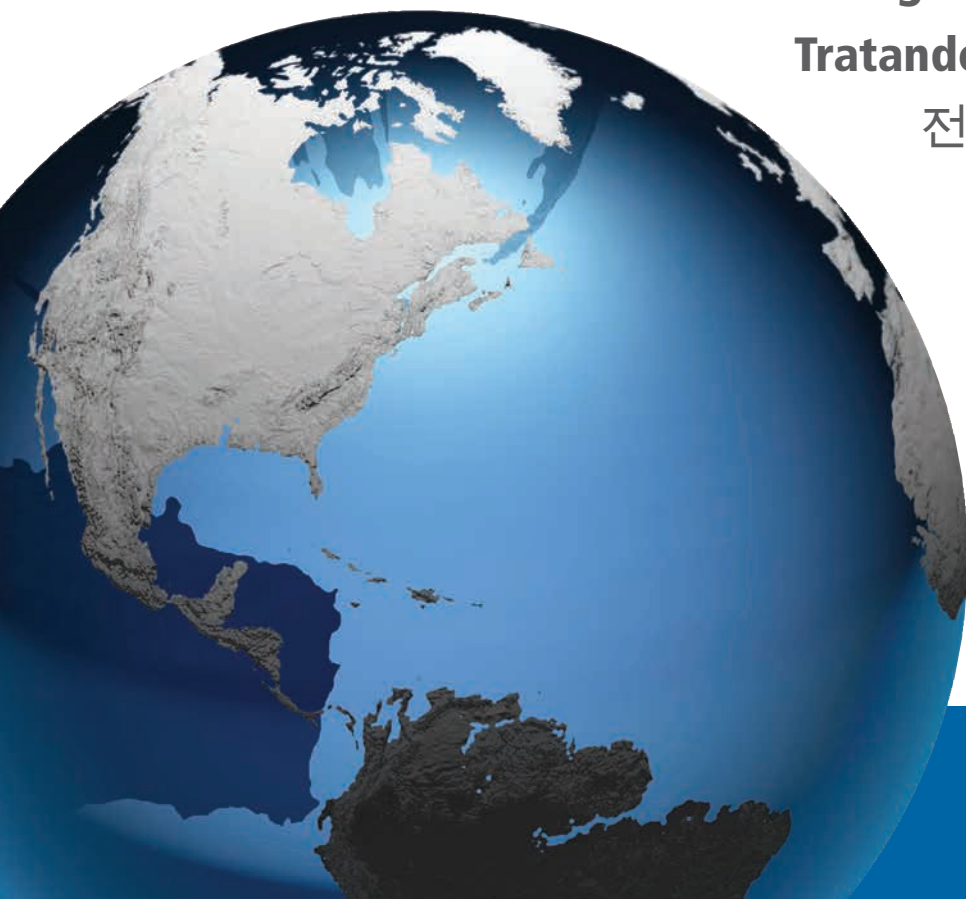
Traitant l'eau partout dans le monde.

Behandlung Wasser auf der ganzen Erde.

Tratando água pelo mundo inteiro.

전 세계에서 수처리를 합니다

水处理业务遍及全世界



Chem-Aqua® keeps your systems operating at peak efficiency with minimal cost, time, and effort.



Water Treatment Solutions

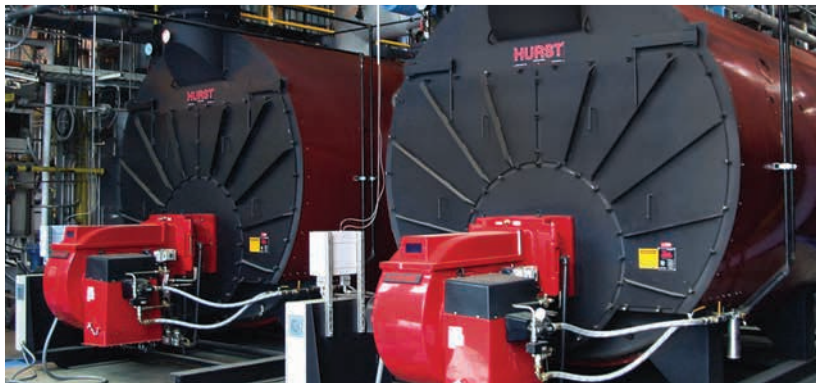
Chem-Aqua provides customized programs designed to solve your water treatment problems

We treat systems in every major industry. This experience gives us the expertise to precisely design a program that meets your needs based on an in-depth survey of your facility.

Program Solutions

Our water treatment solutions include

- Cooling Treatment
- Boiler Treatment
- Pretreatment Equipment
- Application Equipment
- Process Treatment
- Biological Treatment
- Effluent Treatment
- Potable Treatment
- Compliance Assistance
- Resourcefully Green®
- Water Conservation
- Energy Minimization



Chem-Aqua® Services

Services that make a difference

The services available under our water treatment programs include

- Regular site service visits with field tests and reports
- Immediate and correct interpretation of the test results and field recommendations
- Routine monitoring of pretreatment and application equipment
- Inventory management
- Equipment inspections
- Management meetings to communicate program results
- Experienced technical support
- Effective training programs
- SMART™ software to help monitor and control your custom-designed water treatment program
- Modern, well-equipped analytical laboratories
- Cutting edge research and technology
- Full range of advanced water treatment equipment
- Energy and water management
- Specialized mechanical services

Chem-Aqua® Water Treatment Solutions

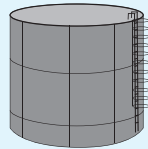
Thermal Storage Tank

PROBLEM

- Corrosion
- Bio-fouling

IMPACT

- System inefficiency
- Contamination
- System Failure



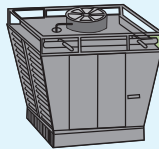
Open Recirculating Cooling Tower

PROBLEM

- Scale
- Corrosion
- Bio-fouling
- Sludge

IMPACT

- Poor heat transfer
- System wear
- Clogging
- Restricted flow
- Production downtime



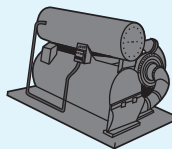
Closed Recirculating Chilled Water

PROBLEM

- Corrosion
- Fouling
- Sludge

IMPACT

- Poor heat transfer
- Clogging
- Equipment wear
- Comfort "hot calls"



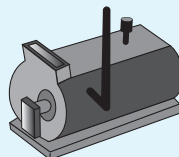
Hot Water Recirculating Boiler

PROBLEM

- Corrosion
- Fouling
- Sludge

IMPACT

- Poor heat transfer
- Clogging
- Equipment wear
- Comfort "cold calls"



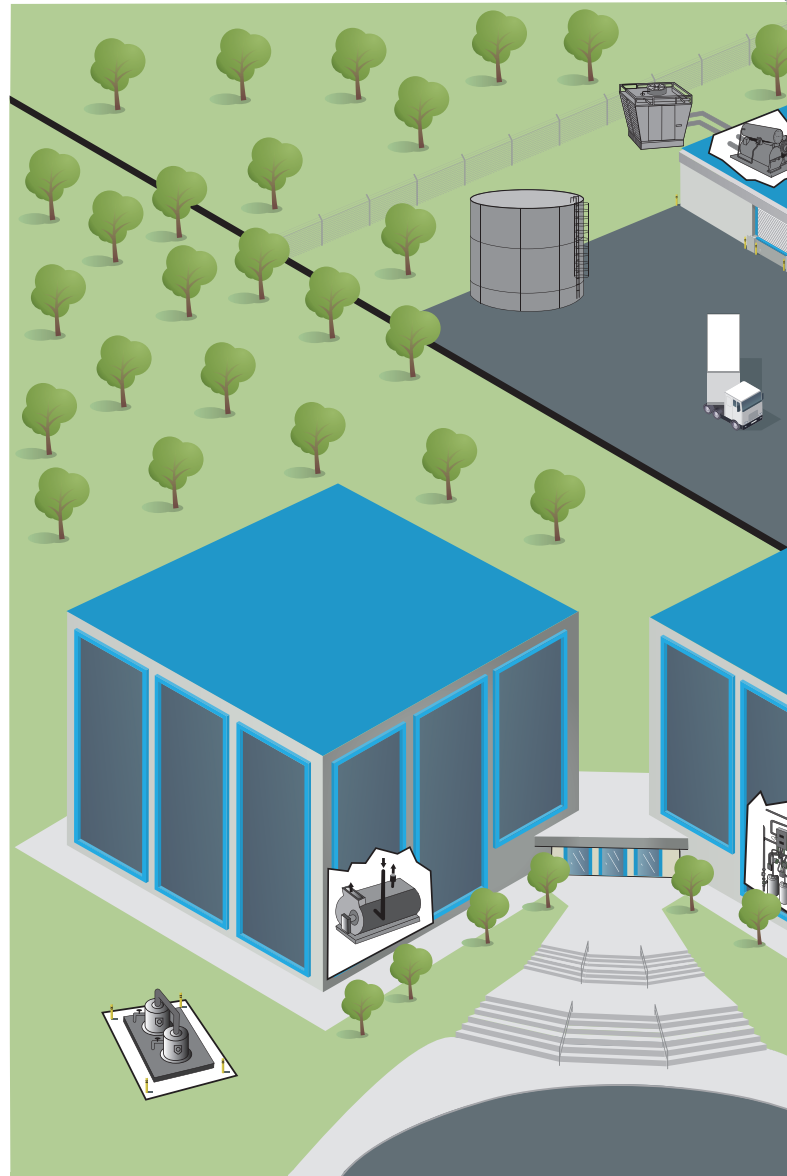
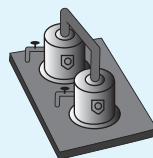
Fuel Oil Storage

PROBLEM

- Sludge
- Water

IMPACT

- Fuel loss
- Contamination
- High maintenance costs



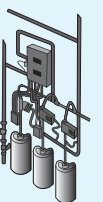
Feed and Control Systems

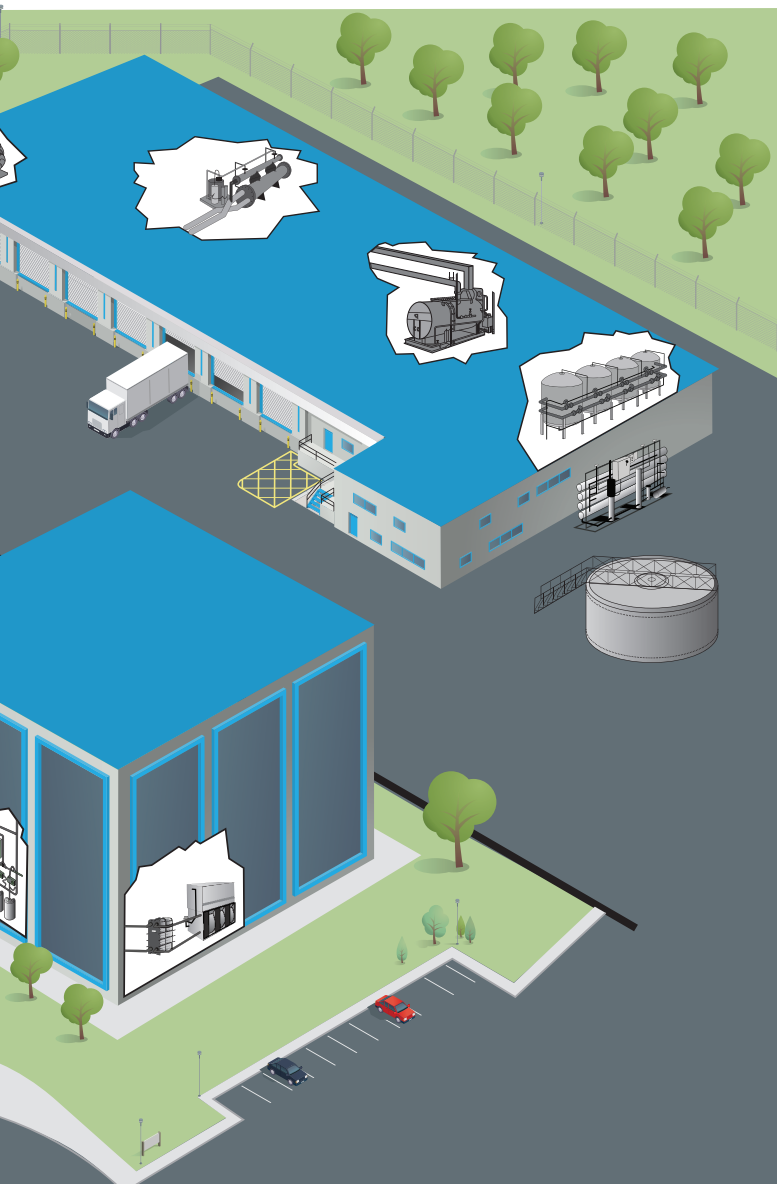
PROBLEM

- Poor treatment program
- Improper dosages
- Employee safety

IMPACT

- High treatment costs
- Poor treatment results
- Lost time





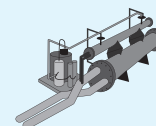
Heat Exchangers

PROBLEM

- Scale
- Corrosion

IMPACT

- High temperatures
- Downtime



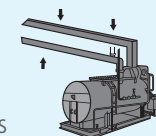
Steam Condensate Lines

PROBLEM

- Corrosion

IMPACT

- Contamination
- Steam loss
- Increased energy costs



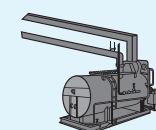
High / Low Pressure Steam Boiler

PROBLEM

- Scale
- Corrosion
- Carryover

IMPACT

- Poor heat transfer
- Tube failure
- Contamination



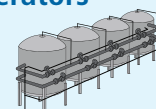
Pre-treatment Softeners / Deaerators

PROBLEM

- Poor efficiency
- Fouling

IMPACT

- High treatment costs
- High fuel costs



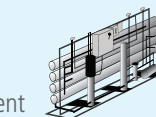
Reverse Osmosis

PROBLEM

- Deposits
- Oxidizers

IMPACT

- Restricted Flow
- Membrane Replacement



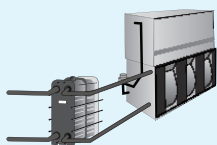
Process Cooling Water

PROBLEM

- Scale
- Corrosion
- Bio-fouling
- Sludge

IMPACT

- High energy costs
- System failure
- Production downtime
- Production slow down



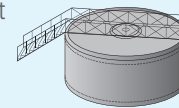
Wastewater Treatment

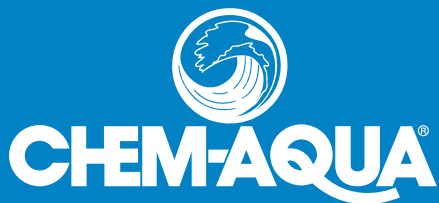
PROBLEM

- Grease / oils
- Heavy metals
- Sludge
- BOD / COD

IMPACT

- Increased sewage costs
- Waste management fines
- Possible plant shutdown





Chem-Aqua, Inc.
P.O. Box 152170
Irving, TX 75015
USA

www.chemaqua.com
phone 972.438.9921
toll free 800.527.9921
fax 972.438.0634

Regional Headquarters

United States • Irving, Texas
Canada • Brampton, Ontario
Latin America • Mexico City, Mexico
South America • Sao Paulo, Brazil
Europe • Birmingham, UK
Asia Pacific • Shanghai, China



Sustainability Initiative

Resourcefully Green® Resource Management

We are committed to providing environmentally responsible and economically viable water treatment solutions that conserve energy and water while protecting the health and welfare of people and the environment.

