



# industrial water reuse

## The Process

## The ProChem Advantage

### 1 Motivation

As companies face the challenge of reducing their environmental impact, they also search for efficient water management strategies.

#### Motivating Factors...

- Decrease pressure on water resources
- Reduce or eliminate wastewater permit challenges
- Demonstrate environmental stewardship
- Reduce water purchase and sanitary disposal costs



### 2 Evaluation

Begin the process by identifying water reuse opportunities within your facility.

#### ProChem Will...

- Perform a comprehensive water balance study
- Establish specific project goals
- Conduct a feasibility analysis
- Select the best available technology
- Carry out bench-scale treatability testing
- Perform on-site pilot studies



### 3 Design

The design goal is to develop a system that meets your current needs and will grow with you into the future.

#### ProChem Will...

- Design the system to meet process water quality requirements
- Engineer for automation and remote monitoring
- Size the system to meet future needs
- Build redundancy and process flexibility into the system



### 4 Implementation

A successful reuse process considers the evolution of the system from installation to future operational needs.

#### ProChem Will...

- Provide professional installation and startup services
- Supply ongoing technical training
- Improve the system as needed
- Provide open communication and ongoing commitment
- Supply detailed performance measurements



- Single-source provider
- Extensive water treatment expertise
- Wide array of treatment technologies
- Web-based remote monitoring
- Comprehensive treatability laboratory
- Ongoing employee training programs
- Internally developed chemical programs
- Permitted ion-exchange regeneration facility
- On-site/off-site pilot system capability
- ISO 9001:2008 certified



An ISO 9001:2008 Certified Company