

## HOT & TEMPERED

STORE, SUPPLY, AND HEAT YOUR WATER

### Reliability, Consistency, & Efficiency

Since hot and tempered water is the life blood of most plant operations, we build our hot and tempered water systems to last. The most robust and reliable systems for any production environment. Our team of automation engineers design and build these systems based on customer specifications.



## WATER STORAGE SYSTEMS



- ✓ Transducers to monitor tank fluid levels
- ✓ Flat or cone bottom | 200 gallons to 10,000 gallons capacity
- ✓ Vertical or horizontal tanks with double-sided welds for durability

## WATER SUPPLY SYSTEMS



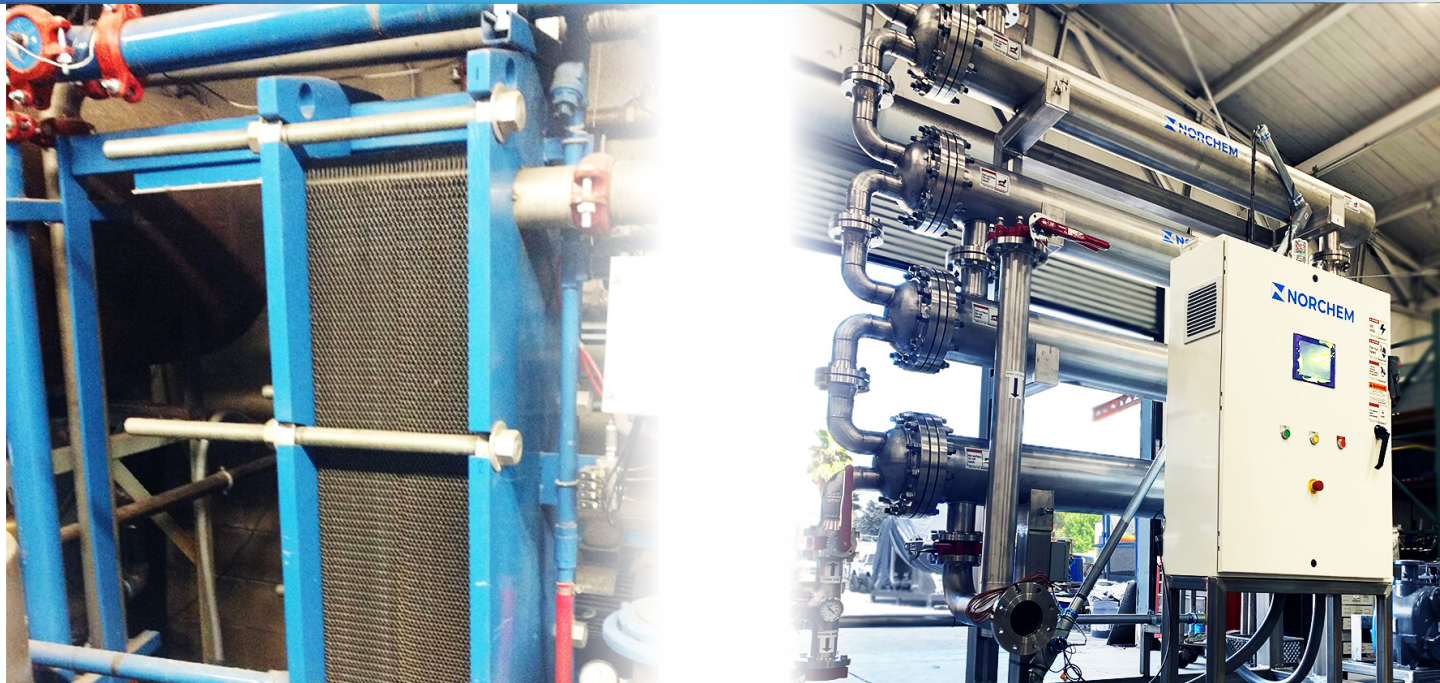
- ✓ Stainless steel pre-piped pump skids and impellers
- ✓ Single, dual, or triplex pump systems with 1 hp – 60 hp pumps
- ✓ Temperature, pressure, TDS, and pH monitoring with UL-approved system controls and Industrial PC HMI Touchscreen

## WASTEWATER HEAT RECLAMATION SYSTEMS



- ✓ Our systems are designed to fit any application
- ✓ The cooling of wastewater is especially ideal for plants that chemically treat effluent water
- ✓ Capture and reuse heat from the wastewater to then heat incoming city water that efficiently produces tempered water for production

## HEAT EXCHANGERS



### PLATE AND FRAME

- ✓ Stainless steel base and frame
- ✓ Pre-piped with stainless steel and valves
- ✓ Automated valves for backflush to prevent solids build up
- ✓ CIP cleaning system to clean plates and maintain high performance
- ✓ UL-approved panel pre-wired and mounted to the skid
- ✓ Industrial PC HMI Touchscreen Dashboard

### SHELL AND TUBE

- ✓ Stainless steel base and frame
- ✓ Stainless steel shell and tubes
- ✓ Pre-piped with stainless steel and valves
- ✓ Automated valves for backflushing to prevent solids build up
- ✓ CIP cleaning system to clean plates and maintain high performance
- ✓ UL-approved panel pre-wired and mounted to the skid
- ✓ Industrial PC HMI Touchscreen Dashboard

## WATER TREATMENT CHEMICALS



### FLOCCULANTS

Anionic, nonionic, and cationic flocculants in dry powder, liquid emulsion, and liquid solution forms.

### COAGULANTS

Norchem supplies cationic, organic coagulants in liquid form.

### SCALE INHIBITORS

Norchem offers innovative scale inhibitors from inorganic substances, which are a frequent problem with water used in a variety of applications such as boilers and cooling towers.

### HEAVY METAL CHELANTS

Chelating agents designed and formulated to enhance the removal of heavy metals from waste streams via precipitation.