

# MAJOR STEEL MILL ENERGY SAVINGS

A major steel mill installed three Hydroheater<sup>®</sup> Direct Steam Injection (DSI) heaters to replace an aging water heating system. The new heaters immediately saved the mill \$60,000 per month in energy costs as varied by steam and water meters. These DSI heaters generate 900 GPM [245.5 m<sup>3</sup>/hr] of 180°F [82.2°C] water for continuous annealing lines. The mill realized a pay-back on the heaters of less than two months!

## HYDROHEATER ADVANTAGES

- Produce instantaneous on-demand hot water
- Eliminate hot water tanks, heat exchangers and spargers
- Require no condensate return line - lower maintenance costs
- Reduce the need for plant boiler blow-down
- Require less flood space
- Produce no damaging vibration

## APPLICATIONS FOR PRIMARY METIAL INDUSTRY

- Plating lines hot water tank fill
- Pickling solution hot water
- Phased temper cool-down
- Cogen waste steam hot water

## HYDRO-THERMAL SOLUTION

- Exceptional energy savings compared to heat exchangers and spargers
- Precise temperature control
- Patented self-cleaning design to eliminate scaling and fouling
- Mount vertically or horizontally
- Quiet, hammer-free operation
- 2-25,000 GPM [1-6,819 m<sup>3</sup>/hr] flow rates

