



*One stop solution for
Efficient heat transfer & noise
protection*

Engineering, Fabrication, Supply, performance analysis & enhancement

PRODUCT RANGE

(Design, Supply, & after-market support)

- Shell & Tube Heat Exchangers
- Air Cooled Heat Exchangers
- Air Cooled Steam Condensers
- Modular / Skid mounted unit
- Columns & Towers
- Pressure Vessels
- Incinerators
- WWTP & Solar Thermal plants
- Fans – Cooling Towers & ACHE
- Industrial Silencers

Who we are?

ISO: 9001:2015 & ISO: 45001:2008 certified

ASME 'U' and 'R' certified fabrication facility

One stop solution for process industry, cooling solutions & noise protection requirements

SHELL & TUBE TYPE HEAT EXCHANGERS

Performance analysis

- Design shell side / tube side nozzles versus operating flow rates
- Heat load calculations
- Fouling factor analysis
- Analysis of operating problems
- Analysis of maintenance practices
- Operator training and support



AIR COOLED HEAT EXCHANGERS

Field Inspection & walk-through surveys

- Tube bundle inspection
- Fans
- Transmission drives
- Bearings
- Air side unit integrity check
- Hot air circulation



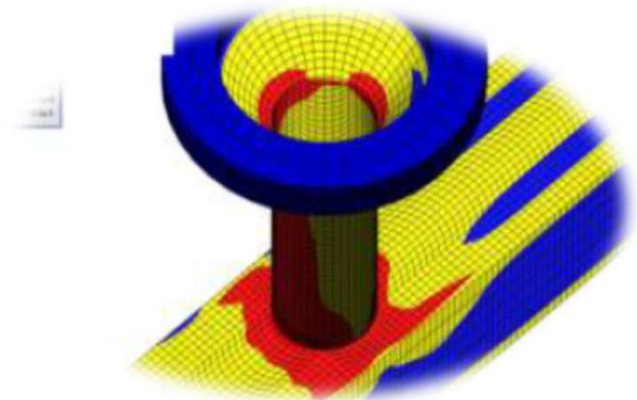
Baseline performance analysis

- Health check
- Airflow testing
- Vibration analysis
- Power consumption & optimization
- Heat load calculation & optimization



Performance enhancement

- Optimization of the existing equipment
- Improvement in reliability & availability
- Improvement in energy efficiency & conservation



Training



COOLING TOWER FANS

(Technology partner – Hudson Products Corp., USA)

Field Inspection & walk-through surveys

- Air flow testing
- Fan performance analysis
- Fan power consumption observation
- Checking unit efficiency
- Inlet and outlet temperature
- Aerodynamic performance testing

Performance enhancement

- Optimization of the existing fans
- Replacement of fan parts / fan for better performance
- Improvement in energy efficiency & conversation
- Install seal disc, blade pitch
- Adjust tip clearance

Plant visit and performance surveys

Operational training of fans

INDUSTRIAL NOISE PROTECTION

(Technology partner – w&p Noiseprotection GmbH)

Silencers

- Blow off silencers
- Baffle silencers
- Pipe / inline silencers
- Resonance silencers

Dump tubes

- For steam bypass stations
- For condenser inlets

Certified noise measurement services

Noise prediction, calculations and abatement planning and solution support



OTHER SUPPORT / SERVICES

- Process plant engineering
- ASME 'U & 'R' certified fabrication and supply
- Piping design and fabrication
- Skid mounted units
- Waste Water Treatment Plant (WWTP)
- Solar Thermal plants
- Retrofit solutions for process equipment
- Thermal simulations (HTRI)
- Energy conservation services

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