



The specialist group for heat transfer equipments

Scope of Work

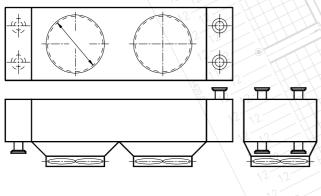
- Thermal rating of heat transfer equipment
- Preparing data sheet for heat transfer equipment

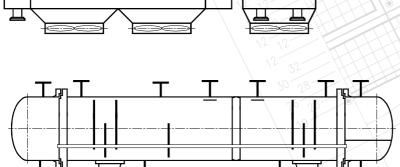
Application

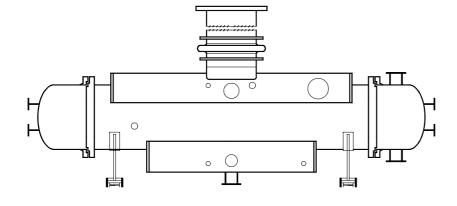
- Shell and Tube Type Heat Exchanger
 Heater / Cooler / Condenser / Reboiler including thermosiphon
 Reflux condenser
 Falling film evaporator
- Air cooled heat exchanger (induced, forced and natural draft types)
- Feed water heater (high pressure, low pressure, district heating)
- Steam surface condenser (after steam turbine)
 Inter and after condenser (after surface condenser)
- Heat recovery steam generator, economizer, super-heater
- Waste heat boiler, superheater, economizer and air preheater
- Inter and after condensers for steam jet vacuum system
- Inter and after coolers for vapor compressing station

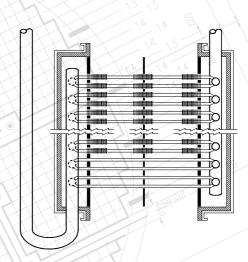
Special Service

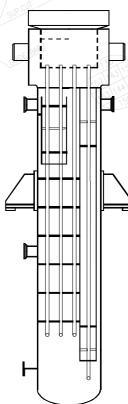
- Field trouble shooting
- Heat transfer related calculation
- Technical backup service for client

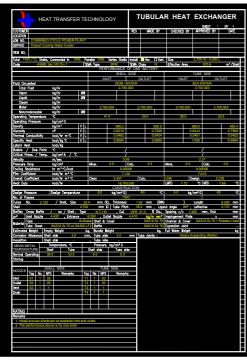






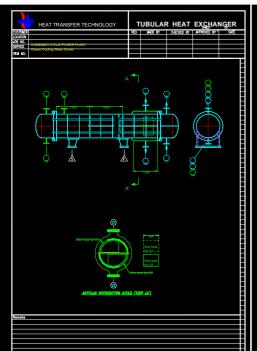


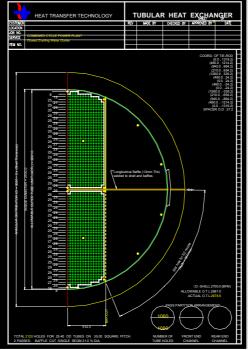


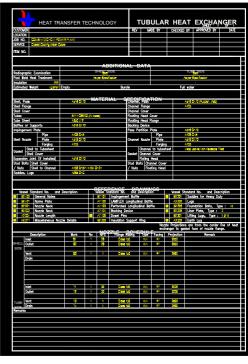


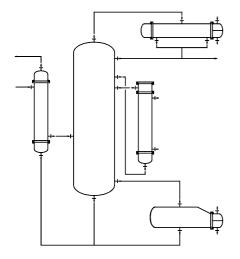
HEATRAN Design Process

- Designed by widely experienced heat transfer specialist
- State-of-the-art technology and effective design tools
- Computerized design process; HEDASwin (Heat Exchanger Design Automation System)
- Many trial solution to find cost effective design
- Compact design by exact tube layout during thermal rating stage
- Preparing data sheet of the best quality to proceed procurement and construction within shorter period of project and proposal

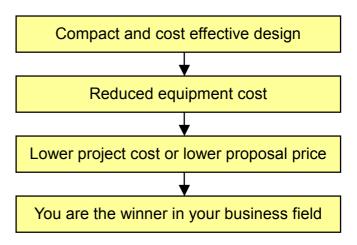








Why HEATRAN as your partner





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Basic(thermal) design of heat transfer equipment

Shell and tube type heat exchanger

Air cooled heat exchanger

Heat recovery steam generator

Steam superheater and economizer

Feed water heater

Steam surface condenser

Condensers for vacuum system

Coolers for compressor