

Engineering Solutions for Air, Water & Energy Systems



Your Partner

CST-HEATKAL
EnviroTech



Engineering Solutions for Running Plants

Diagnosis • Optimization • Implementation

How CST-HeatKal Supports Industries

CST-HeatKal works closely with operating plants to diagnose challenges relating to air, water, and energy systems. Our engagement begins with understanding process behaviour, utility interactions, operating constraints, effect & parantness in real plant conditions.

Rather than offering standard equipment, we develop solution concepts that may include system modification, optimization, heat recovery, water reduction, or redesign of utility architecture. Equipment is introduced only as essential part of the overall solution.

This approach allows industries to improve efficiency, reliability and sustainability without unnecessary capital expenditure or operational disruption.

Solution Path



High energy
consumption



Engineering
analysis



Optimized
System Design



Implementation
(Equipment if required)



Performance
Improvement



Industries Served & Solutions Delivered

CST-HeatKal supports demanding sectors where reliable, energy-efficient, and sustainable air, water, and energy solutions are critical to plant performance.



Power Generation

- Turbine & generator cooling
- Water & heat recovery



Chemical Processing

- Condenses & process gas cooling
- Heat integration & recovery



Oil & Gas / Refineries

- Waste heat recovery
- Fired heaters / compressor cooling

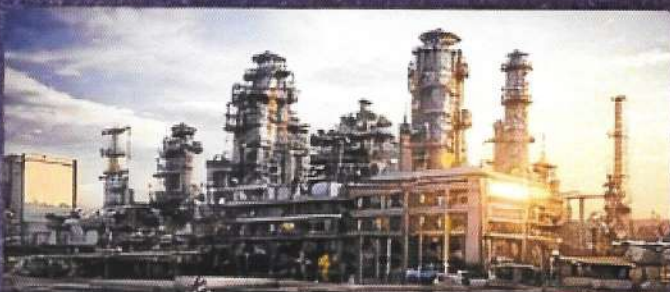


Steel & Cement

- High thermal load cooling
- Flue gas recovery
- Process water reduction



Turbine & generator cooling
Water & heat recovery









Pharma & Biotech

Precise utility cooling
Solvent & emission recovery
Efficiency improvement

Equipment as a Solution Enabler

- Where required, CST-HeatKal supports solution execution through carefully selected and engineered equipment

  Presame skids    + PuGG 



CST-HeatKal

CST-HEATKAL

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AIR SYSTEMS

- ◆ Dry Coolers
- ◆ Remote Radiators
- ◆ Air-Cooled Condensers
- ◆ Industrial Cooling Colls
- ◆ Customized Air-Cooling Solutions



WATER SYSTEMS

- ◆ Endo & Other Gases Cooling Systems
- ◆ Heat Exchanger Engineering
- ◆ Process & Utility Cooling Optimization
- ◆ Water Reduction & Elimination Concepts



ENERGY SYSTEMS

- ◆ Heat Recovery & Energy Optimization
- ◆ Hydrogen & Clean Energy Concepts
- ◆ Sustainable Industrial Utility Solutions
- ◆ Energy-Efficient System: Design & Validation

JOINT VENTURE PARTNERS

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