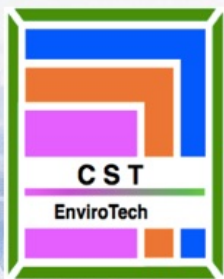


# Engineering Solutions for Air, Water & Energy Systems for Automobile Manufacturing Plants

Precision • Reliability • Sustainability



— Your Partner —



**CST-HEATKAL**  
EnviroTech





# Engineering Solutions for Operating Automobile Plants

CST-HEATKAL supports OEMs by enhancing the efficiency, reliability, and sustainability of their existing air, water, and energy systems.

## Our Solution Path:



PRECISION • RELIABILITY • SUSTAINABILITY

## Engineering Before Equipment

CST-HeatKal supports operating automobile OEM plants by **optimizing cooling water systems**, compressed air, HVAC & **ventilation**, and energy utilities under real production conditions.

Our solutions are driven by process understanding and system behaviour, and may include **utility optimization, heat recovery, and water reduction strategies**.

Equipment is introduced only when it is technically essential to achieve reliable, efficient, and sustainable plant operation.

## UTILITIES WE OPTIMIZE



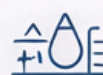
Cooling  
Water Systems



Compressed  
Air Systems



HVAC &  
Ventilation



Heat Recovery  
Systems



Energy  
Utilities



# Automobile Manufacturing

## Areas We Support



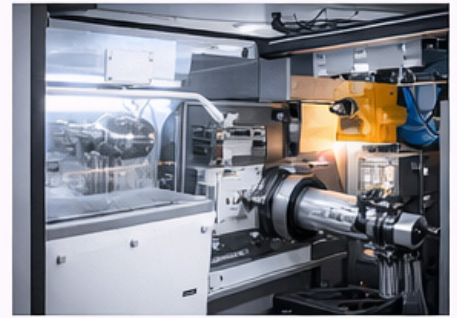
### Body Shop

- Process ventilation & heat removal
- Cooling of welding transformers & power electronics
- Compressed air system optimization



### Paint Shop (Critical Utility Zone)

- Process air cooling & humidity control
- Oven exhaust heat recovery
- Scrubber & utility water optimization



### Engine & Transmission Manufacturing

- Machine tool cooling
- Process fluid & oil cooling
- Temperature stability for dimensional accuracy



### Assembly & General Utilities

- AHUs, ventilation & comfort cooling
- Compressor, DG & utility cooling



### Utilities & Energy Systems

- Cooling water systems
- Heat exchangers & condensers
- Air-cooled & hybrid cooling solutions



### Sustainability & ESG

- Water reduction & reuse
- Waste heat recovery
- Energy efficiency & carbon reduction



### Assembly & General Utilities

- AHUs, ventilation & comfort cooling



### Utilities & Energy Systems

- Cooling water systems
- Heat exchangers & condensers



### Sustainability & ESG

- Water reduction & reuse
- Waste heat recovery



# Why CST-HeatKal

CST-HeatKal partners with automobile OEMs to solve complex challenges in air, water, and energy systems across operating manufacturing plants. Our approach combines **engineering depth**, on-site understanding, and practical implementation—focused on reliability, efficiency, and sustainability,

## Our Engineering Focus



### Air Systems

- HVAC, process air, ventilation, compressed air



### Water Systems

- Cooling water, process water, heat rejection, reuse



### Energy Systems

- Heat recovery, efficiency improvement, utility optimization

## How We Work with OEMs

- Study of operating plant conditions
- Identification of constraints & improvement potential
- Engineering-led solution development
- Implementation with minimal disruption

*Engineering-led solutions, designed for running plants.*

## CST-HeatKal EnviroTech

Engineering Solutions for Air, Water & Energy

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