

## PINCH ANALYSIS AND ENERGY OPTIMISATION



### WHERE?

Petrochemical facility in Alabama, USA

### WHY?

Challenges Addressed

- Very low utility costs, cyclic operations, widely spread facility

Goal

- To reduce energy consumption by implementing schemes with attractive ROI

Engagement

- Pinch Analysis, review of energy optimization schemes

### RESULT

#### Benefits Realized

Identified more than 20 schemes for energy savings

Suggested reduction of 1200# imported steam consumption

Substantial reduction in hot and cold utilities recommended

Benefits - US\$ 1 Million

### SOLUTION AND EXPERT SERVICES DEPLOYED

- Site visit, field audit and in-depth analysis of the unit data performed based on models built, customized pinch analysis and engineering feasibility analysis

[www.ingenero.com](http://www.ingenero.com)

Houston ⚙️ Mumbai ⚙️ Doha ⚙️ Jubail

Houston  
+1-713-223-9942

Mumbai  
+91-22-6176-4500