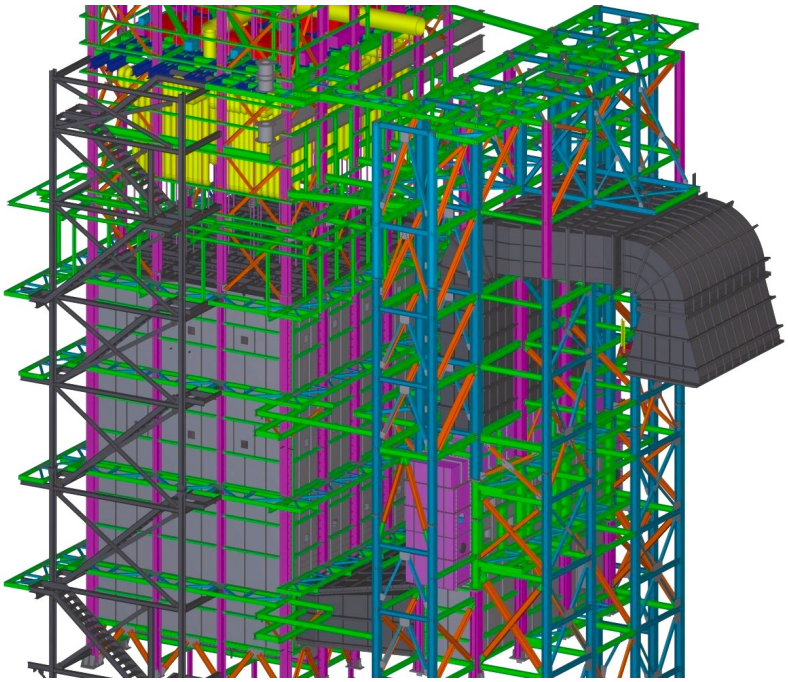
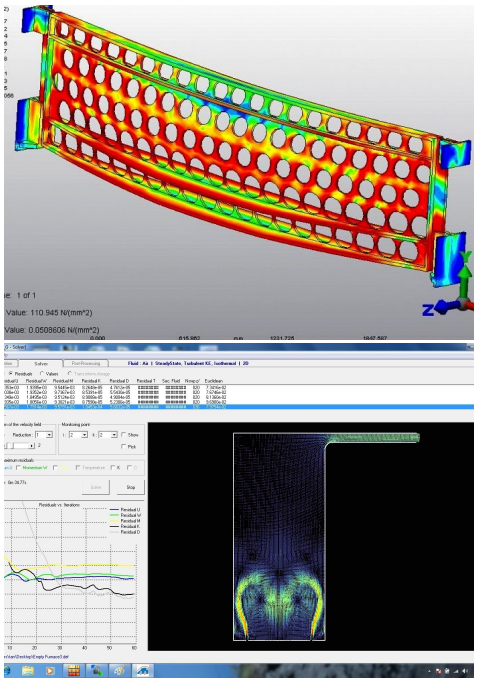
# Design & Engineering

## Fired Heaters | Reformers | Cracking Furnaces





ESTEEM

CONSTRUCTIVE SOLUTIONS

End to end engineering solutions for fired heaters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Esteem Projects Pvt. Ltd.
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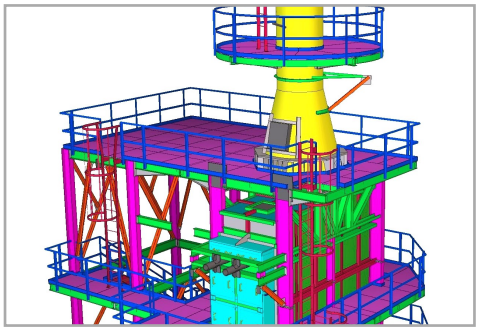
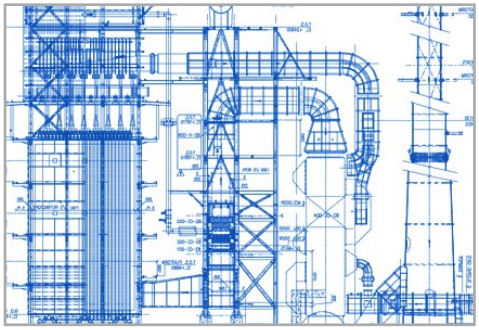
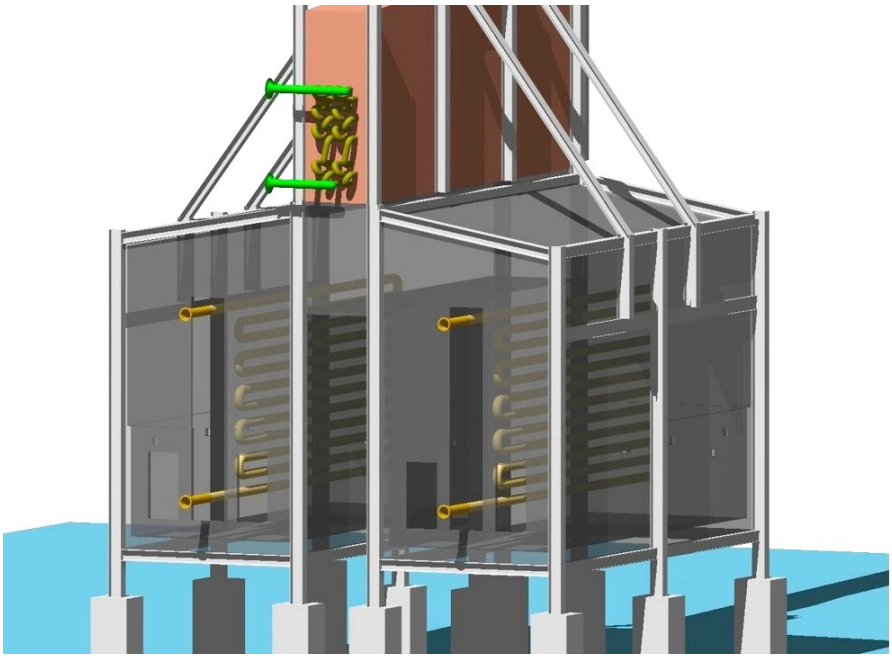
India.


Esteem's design department is fully equipped to handle Fired Heater projects of any size. Our scope of activities includes:

- Basic and detailed engineering
- Structural design (Static, Wind, Seismic)
- Pressure parts design
- Piping flexibility & stress analysis
- Connection (joint) design calculations
- Tube support design
- Refractory design and detailing
- Transportation & lifting lug design
- Design for modularisation
- 3D modelling
- CFD & FEA
- Procurement engineering
- Design and engineering for Dampers







Extensive training and cutting edge software & hardware is what differentiates us from the rest.

## Data Protection

At Esteem, control of Client's drawings and documents are given top priority. Employees are informed about the usage rights and restrictions and same is strictly enforced.
Safeguarding of data is very important and we have an hourly backup system which ensures minimum data loss in case of unexpected outages.

## Available Design & Engineering Software

- Winheat 4.5 (Fired Heater Rating and Simulation Software)
- Autodesk Plant 3D
- Autodesk Revit
- Autodesk Advance Steel
- Autodesk P&ID, Autodesk MEP, Autodesk Electrical
- Autodesk Structural Analysis for Revit
- Autodesk AutoCad
- Graitec Advance Design
- Bentley STAAD Pro
- ISOMEC
- EasyCFD
- RefCal Pro (Proprietary In-house Refractory Heat Transfer Calculations Software)
- PipeCal Pro (In-house Hydraulic Analysis Software)
- Any many more…

## Hardware Facilities

- Central file server with redundant storage and power
- Hourly snapshots and online backup
- Latest Thinkcentre Workstations
- Gigabit LAN and VPN Connections

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