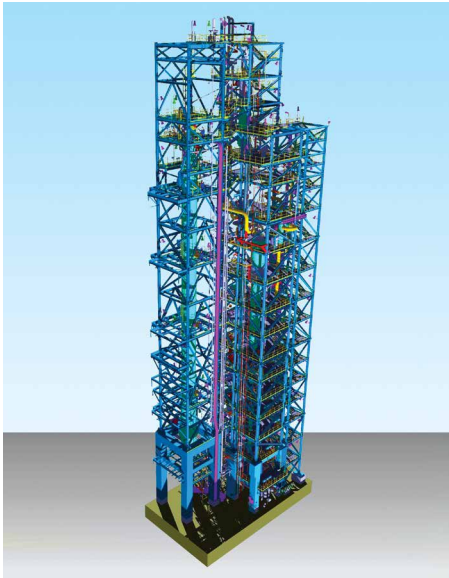


Integrated Modular Solutions for Global Hydrocarbon Industry



In-house Expertise with Single-Point Responsibility for Next-Generation Modules



L&T Hydrocarbon Engineering

L&T Hydrocarbon Engineering (LTHE), a wholly-owned subsidiary of Larsen & Toubro Limited (L&T), delivers world-class 'design-to-build' engineering and construction solutions on turnkey basis for large, complex, offshore and onshore hydrocarbon projects worldwide. LTHE has in-house end-to-end integrated capability from FEED to Fabrication, Construction and Commissioning. Safety is a core value for LTHE manifested by its 'Zero Incident Credo'.

The Modularisation Edge

- Standardized design and execution
- Conducive to remote project sites and harsh climates
- Quicker plant start-up
- Optimized plot plan
- Custom-built retrofits
- High productivity
- Digital identity – from design to operations

- Hassle-free transportation through route-specific designs
- Shorter site campaigns
- Avoidance of high cost and availability constraints of craft labour
- Best-in-class HSE practices
- Better quality control
- Sustainable solutions



Approach

LTHE provides bespoke Modularisation Solutions from conceptualisation & engineering to fabrication, transportation and installation on a single-point responsibility basis to truly deliver benefits of modularisation.



Integrated Offerings Under One Roof

Best-in-Class Engineering

Experienced and qualified multi-disciplinary Engineering workforce with 5 Million+ Manhours

- Design led by Modular Concept
- Digital twin based approach
- Value-add through Optimization
- Multi-disciplinary collaboration
- Focus on Transportability and Constructability



Fabrication & Pre-commissioning

Our fabrication facilities, with captive heavy duty quay sides, offer year-round on-time delivery, with zero-punch list and the highest QHSE standard, leveraging automation and digitalization.

Each facility is designed for the fabrication of complex process modules and long pipe rack trains, shippable in transportable sizes, duly match-marked for smooth Installation at the construction site.



Sohar, Oman 700,000 m² area



Hazira, India 500,000 m² area



Kattupalli, India 600,000 m² area
(Available: an additional 1,000,000 m²)

Smart Sourcing

- Vast network of suppliers and sub-contractors
- Digitally enabled global sourcing optimized through analytics
- Material traceability from order to reconciliation

Logistics

- Dedicated Logistics team
- Global delivery network covering land, sea and air routes
- Partnership with global logistics majors

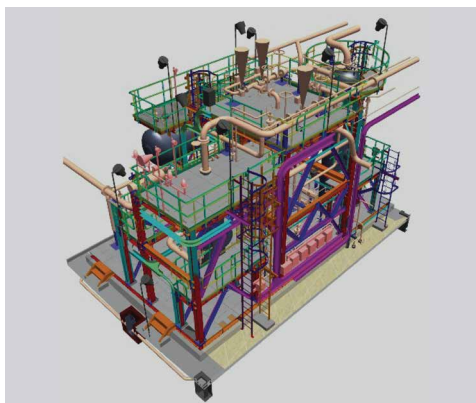
Efficient Installation / Commissioning

- Rich experience on large global EPC Projects
- Expertise in heavy-lifts, with in-house equipment fleet
- Maximization of yard commissioning
- Close collaboration with key licensors and OEMs



Portfolio

Enabling Stick-built to Modular Solutions



Modular Plants



Process Modules



Reformer Modules



Cracking Furnace Modules



CCR Modules



Process Skids



Pre-Assembled Units



Pre-Assembled Manifold / Pipe Rack Modules



Compressor Modules / GTG Modules



Process Heaters



Living Quarter Modules & E-Houses

Larsen & Toubro Limited

Larsen & Toubro Limited is a USD 20 billion technology, engineering, construction, projects, manufacturing and financial services conglomerate catering to critical needs in key sectors, including infrastructure, construction, hydrocarbon, defence and power. www.Larsentoubro.com



A wholly owned subsidiary of Larsen & Toubro Limited

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