In-house Construction / Construction Management Capability of Complex process Plants

More than 15 years of experience & expertise in the Refinery Projects, Executed 40+ Refinery Process Plants

In-house Engineering (7,000,000+ man hours), World class Fabrication facilities & Global Procurement expertise

Pre-qualified with world leaders like Saudi Aramco, Reliance, Petronas, KNPC, ORC, Takreer, IOCL, ONGC-MRPL, BPCL, HPCL, CPCL

Single point EPC & EPCC Solutions

✓ L&T Brand : Reliability
✓ Customer Focus
✓ Commitment to HSE and Community development
✓ Domain experience of simultaneous execution of challenging, complex & fast track Green-field & Brown-field projects
✓ Cost optimal solutions
✓ On-time delivery & quality
✓ Dedicated Resources
✓ Implementation of learning accumulated over various projects
We believe that the true and full measure of growth, success and progress lies beyond balance sheets or conventional economic indices. It is best reflected in the difference that business and industry make to the lives of people. Through its social investments, L&T addresses the needs of communities residing in the vicinity of its facilities, taking sustainable initiatives in the areas of health, education, environment conservation, infrastructure and community development.

Our Commitment to Society

A helping hand builds strong bonds. At L&T we greet every opportunity to empower the community with extended hands. It's our constant endeavour to inject joy and add colour to life.
Founded in 1938 by two Danish engineers – Henning Holck Larsen & Soren Kristian Toubro, Larsen & Toubro Limited (L&T) is a technology, engineering, construction and Manufacturing company, with global operations. We are one of the largest and most respected companies in Indian’s private sector.

- Professionally managed company with Customer-focused approach
- Track record of success in projects for Hydrocarbon, Infrastructure & Power
- Committed towards corporate social responsibility, environment protection and implementation of safety measures

BUSINESS PORTFOLIO

1. Hydrocarbon
2. Power
3. Heavy Engineering
4. Construction
5. Electrical & Electronics
6. IT & Technologies
7. Machinery & Industrial Products
HYDROCARBON BUSINESS PORTFOLIO

Hydrocarbon Upstream
- Modular Fabrication Yards
- Oil & Gas EPC Projects
- Floating Production Systems
- Jack-up Rigs
- Heavy-Lift Installation & Pipe-lay Services
- Subsea Systems
- L&T Valdel-Engineering Services

Hydrocarbon Mid & Downstream
- Refineries
  - Petrochemicals
  - Gas Processing
  - Fertilizer Plants
  - Modular Fabrication
  - L&T Chiyoda-Engineering Services

Hydrocarbon Construction & Pipelines
- Pipelines
- Process Plants
- L&T- Gulf Pipeline Engineering
L&T offers engineering, procurement, construction and commissioning services for the hydrocarbon Refinery sector including Green field, Brown field, Modifications and Revamps. Projects are executed on lumpsum turnkey basis with single-point responsibility with detailed engineering, carried out either by L&T Engineering Centers or L&T-Chiyoda Limited, a JV of Chiyoda Corporation, Japan and L&T.

**Refinery Business Lines**

- Green fuel projects
- Crude and vacuum distillation units
- Catalytic reforming units
- Hydrotreater / hydrodesulphurisation units
- Residual hydrodesulphurisation units
- Motor Spirit Upgradation (MSQ)
- Hydrocracker units
- Visbreaker units
- Delayed coking units
- Fluid catalytic cracker units (FCC)
- Resid FCC units
- Sulphur recovery units
- Amine recovery units and sour water strippers
- Solvent / catalytic dewaxing units
- Oxygenate units like MTBE, TAME
- Skid-mounted refineries and processing units
- Hydrocarbon recovery from tar sands
Refinery Projects

- DHDS: 0.7 TO 2.0 MMTPA
- HGU: 10,000 TO 70,000 TPA
- SRU: 0.3 TO 3.7 MMTPA
- VDU: 50 TO 300 TPD
- DCU: 16,500 BPSD
- LUBE OIL: 2.4 MMTPA
- DHDT: 0.23 TO 0.8 MMTPA
- ISOMERIZATION: 400 TO 515 TMTPA
- NHT-CCR: 295 TO 691 TMTPA
# Track Record: Residue Upgradation Projects

## Lube Oil

<table>
<thead>
<tr>
<th>Client</th>
<th>Petronas Penapisan SDN BHD</th>
</tr>
</thead>
<tbody>
<tr>
<td>Location</td>
<td>Melaka, Malaysia</td>
</tr>
<tr>
<td>Scope</td>
<td>Lube Base Oil Plant, 0.32 MMTPA</td>
</tr>
<tr>
<td>Licensor</td>
<td>Exxon Mobil Research and Engineering (EMRE)</td>
</tr>
<tr>
<td>Mode of Execution</td>
<td>EPC</td>
</tr>
<tr>
<td>Period</td>
<td>2006-2008</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Client</th>
<th>Hindustan Petroleum Corporation Limited</th>
</tr>
</thead>
<tbody>
<tr>
<td>Location</td>
<td>Mumbai, India</td>
</tr>
<tr>
<td>Scope</td>
<td>Lube Oil Base Stock (LOBS) Plant 0.2 MMTPA</td>
</tr>
<tr>
<td>Licensor</td>
<td>Exxon Mobil Research and Engineering (EMRE)</td>
</tr>
<tr>
<td>Mode of Execution</td>
<td>EPC</td>
</tr>
<tr>
<td>Year of Completion</td>
<td>2008-2010</td>
</tr>
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</table>

## Delayed Coker

<table>
<thead>
<tr>
<th>Client</th>
<th>Indian Oil Corporation Limited</th>
</tr>
</thead>
<tbody>
<tr>
<td>Location</td>
<td>Panipat, India</td>
</tr>
<tr>
<td>Scope</td>
<td>Coke Drum System Package, 2.4 MMTPA</td>
</tr>
<tr>
<td>Licensor</td>
<td>ABB Lummus</td>
</tr>
<tr>
<td>Mode of Execution</td>
<td>EPC</td>
</tr>
<tr>
<td>Period</td>
<td>2003-2006</td>
</tr>
</tbody>
</table>

## Solvent Dewaxing

<table>
<thead>
<tr>
<th>Client</th>
<th>Indian Oil Corporation Limited</th>
</tr>
</thead>
<tbody>
<tr>
<td>Location</td>
<td>Digboi, India</td>
</tr>
<tr>
<td>Scope</td>
<td>Solvent Dewaxing Unit, 0.21 MMTPA</td>
</tr>
<tr>
<td>Licensor</td>
<td>UOP</td>
</tr>
<tr>
<td>Mode of Execution</td>
<td>EPC</td>
</tr>
<tr>
<td>Period</td>
<td>2000-2002</td>
</tr>
</tbody>
</table>
**TRACK RECORD: GREEN FUEL PROJECTS**

**Diesel Hydrotreater / Diesel Hydrodesulphurization**

<table>
<thead>
<tr>
<th>Client:</th>
<th>Indian Oil Corporation Limited</th>
</tr>
</thead>
<tbody>
<tr>
<td>Location:</td>
<td>Panipat, India</td>
</tr>
<tr>
<td>Scope:</td>
<td>DHDT : 3.5 MMTPA</td>
</tr>
<tr>
<td>Licensor:</td>
<td>Axens</td>
</tr>
<tr>
<td>Mode of Execution:</td>
<td>EPC</td>
</tr>
<tr>
<td>Period:</td>
<td>2002-2004</td>
</tr>
</tbody>
</table>

Client: Mangalore Refinery and Petrochemicals Limited

Location: Mangalore, India

Scope: DHDT : 3.7 MMTPA

Licensor: Axens

Mode of Execution: EPC

Period: 2008-ongoing

Client: Hindustan Petroleum Corporation Limited

Location: Vizag, India

Scope: DHDS Block including Offsites & Utilities, DHDS : 1.8 MMTPA

Licensor: Axens

Mode of Execution: EPC

### TRACK RECORD: GREEN FUEL PROJECTS

**Client:** Indian Oil Corporation Limited  
**Location:** Mathura, India  
**Scope:**  
- Isomerisation: 440 TMTPA  
- Reformat Splitter: 480 TMTPA  
- FCC Gasoline Splitter: 480 TMTPA  
- TGT: 180 TPD  
- SWS: 25 TPH  
**Licensor:** UOP / Technip KTI  
**Mode of Execution:** EPC  
**Period:** 2003-2005

**Client:** Kochi Refineries Limited  
**Location:** Kochi, India  
**Scope:** DHDS Block including Offsites & Utilities  
- DHDS: 2.0 MMTPA  
**Licensor:** Axens  
**Mode of Execution:** EPC  
**Period:** 1998-2000

**Client:** Indian Oil Corporation Limited  
**Location:** Mathura, India  
**Scope:** DHDS: 1.0 MMTPA  
**Licensor:** Axens  
**Mode of Execution:** EPC  
**Period:** 1997-1999

**Client:** Indian Oil Corporation Limited  
**Location:** Panipat, India  
**Scope:** DHDS: 0.7 MMTPA  
**Licensor:** Axens  
**Mode of Execution:** EPC  
**Period:** 1998-1999

### Isomerization / Naphtha Hydrotreater / Catalytic Reforming

**Client:** Indian Oil Corporation Limited  
**Location:** Mathura, India  
**Scope:**  
- Isomerisation: 440 TMTPA  
- Reformat Splitter: 480 TMTPA  
- FCC Gasoline Splitter: 480 TMTPA  
- TGT: 180 TPD  
- SWS: 25 TPH  
**Licensor:** UOP / Technip KTI  
**Mode of Execution:** EPC  
**Period:** 2003-2005
### Track Record: Green Fuel Projects

#### Indian Oil Corporation Limited
- **Location**: Panipat, India
- **Scope**: NHT: 410 TMTPA, Isomerisation: 400 TMTPA, Reformate Splitter: 470 TMTPA
- **Licensor**: UOP / Axens
- **Mode of Execution**: EPC
- **Period**: 2007-2010

#### Abu Dhabi Oil Refining Company (Takreer)
- **Location**: Ruwais, Abu Dhabi
- **Scope**: SRU: 50 TPD
- **Licensor**: Ortloff
- **Mode of Execution**: License + EPC
- **Period**: 2003-2005

#### Chennai Petroleum Corporation Limited
- **Location**: Chennai, India
- **Scope**: NHT: 295 TMTPA, CRU: 225 TMTPA
- **Licensor**: Axens
- **Mode of Execution**: EPC
- **Period**: 2002-2003

#### Mangalore Refineries & Petrochemicals Ltd
- **Location**: Mangalore, India
- **Scope**: NHTU: 691 TMTPA, Naphtha Splitter: 686 TMTPA, BENSAT: 500 TMTPA, Isomerization: 515 TMTPA
- **Licensor**: UOP
- **Mode of Execution**: EPC
- **Period**: 2004-2006

#### Sulphur Recovery

#### Chennai Petroleum Corporation Limited
- **Location**: Chennai, India
- **Scope**: NHT: 295 TMTPA, CRU: 225 TMTPA
- **Licensor**: Axens
- **Mode of Execution**: EPC
- **Period**: 2002-2003

#### Client: Abu Dhabi Oil Refining Company (Takreer)
- **Location**: Ruwais, Abu Dhabi
- **Scope**: SRU: 50 TPD
- **Licensor**: Ortloff
- **Mode of Execution**: License + EPC
- **Period**: 2003-2005
### Hindustan Petroleum Corporation Limited
**Location:** Vizag, India  
**Scope:**  
- **SRU:** 2 x 65 TPD  
- **SWS:** 6 m³/hr  
- **ARU:** 178 TPH  
**Licensor:** Technip KTI  
**Mode of Execution:** EPC  
**Period:** 1998-2000

### Indian Oil Corporation Limited
**Location:** Baroda, India  
**Scope:**  
- **SRU:** 2 X 300 TPD  
- **ARU:** 2 X 300 MT/Hr  
- **SWS I:** 40 M³/Hr  
- **SWS II:** 59 M³/Hr  
- **TGT:** 600 TPD  
**Licensor:** Black & Veatch  
**Mode of Execution:** EPC  
**Period:** 2007-2010

### Chennai Petroleum Corporation Limited
**Location:** Chennai, India  
**Scope:**  
- **SRU:** 2 x 52 TPD
**Licensor:** Delta Hudson  
**Mode of Execution:** EPC  
**Period:** 1997-1999

### Bharat Petroleum Corporation Limited
**Location:** Mumbai, India  
**Scope:**  
- **SRU:** 2 X 70 TPD  
- **SWS:** 69 & 25 MT/hr  
- **ARU:** 297 MT/hr  
- **FGT:** 9.1 MT/hr  
**Licensor:** Delta Hudson  
**Mode of Execution:** EPC  
**Period:** 2002-2004
**TRACK RECORD: HYDROGEN GENERATION UNITS**

<table>
<thead>
<tr>
<th>Client:</th>
<th>Indian Oil Corporation Limited</th>
<th>Location:</th>
<th>Panipat, India</th>
<th>Scope:</th>
<th>HGU: 2 x 70,000 TPA</th>
<th>Licensor:</th>
<th>Haldor Topsoe</th>
<th>Mode of Execution:</th>
<th>EPC</th>
<th>Period:</th>
<th>2002-2004</th>
</tr>
</thead>
</table>

|---------|---------------------------------------|-----------|----------------|--------|-------------------|-----------|---------------|-------------------|-----|---------|-----------|

<table>
<thead>
<tr>
<th>Client:</th>
<th>Bharat Petroleum Corporation Limited</th>
<th>Location:</th>
<th>Mumbai, India</th>
<th>Scope:</th>
<th>45,000 TPA</th>
<th>Licensor:</th>
<th>Haldor Topsoe</th>
<th>Mode of Execution:</th>
<th>EPC</th>
<th>Period:</th>
<th>2002-2004</th>
</tr>
</thead>
</table>

|---------|--------------------------|-----------|----------------|--------|-----------------|-----------|---------------|-------------------|-----|---------|-----------|
**Client:** HPCL-Mittal Energy Limited (HMEL)  
**Location:** Bathinda, India  
**Scope:** HGU : 2 x 44,000 TPA  
**Licensor:** Haldor Topsoe  
**Mode of Execution:** EPC  
**Period:** 2008-ongoing

**Client:** Mangalore Refinery and Petrochemicals Limited  
**Location:** Mangalore, India  
**Scope:** HGU : 70,000 TPA  
**Licensor:** Haldor Topsoe  
**Mode of Execution:** EPC  
**Period:** 2008-ongoing

**Revamp Projects**

**Client:** Kuwait National Petroleum Company  
**Location:** Shuaiba Refinery, Kuwait  
**Capacity:** Sulphur Recovery Revamp, Expansion from 250 TPD to 400 TPD (3 Nos.)  
**Licensor:** BOC-Parsons  
**Mode of Execution:** EPC  
**Period:** 2002-2004

**Client:** Kuwait National Petroleum Company  
**Location:** Mina Abdullah Refinery, Kuwait  
**Scope:** Sulphur Recovery Revamp, Expansion from 350 TPD to 700 TPD (2 Nos.)  
**Licensor:** BOC-Parsons  
**Mode of Execution:** EPC  
**Period:** 2002-2004
Larsen & Toubro Limited played a major role in construction of Reliance Jamnagar Refinery.

**TRACK RECORD: PRIMARY & SECONDARY PROCESS UNITS**

<table>
<thead>
<tr>
<th>Client</th>
<th>Indian Oil Corporation Limited</th>
</tr>
</thead>
<tbody>
<tr>
<td>Location</td>
<td>Paradip, India</td>
</tr>
<tr>
<td>Scope</td>
<td>FCC-Reactor Regenerator Section: 4.17 MMTPA</td>
</tr>
<tr>
<td>Licensor</td>
<td>IOCL-R&amp;D, CB&amp;I-Lummus</td>
</tr>
<tr>
<td>Mode of Execution</td>
<td>EPC</td>
</tr>
<tr>
<td>Period</td>
<td>2010-Ongoing</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Client</th>
<th>Petronas Penapisan SDN BHD</th>
</tr>
</thead>
<tbody>
<tr>
<td>Location</td>
<td>Melaka, Malaysia</td>
</tr>
<tr>
<td>Scope</td>
<td>Vacuum Distillation Unit 16,500 BPSD</td>
</tr>
<tr>
<td>Licensor</td>
<td>Exxon Mobil Research and Engineering (EMRE)</td>
</tr>
<tr>
<td>Mode of Execution</td>
<td>EPC</td>
</tr>
<tr>
<td>Period</td>
<td>2006-2008</td>
</tr>
</tbody>
</table>

World Largest Refinery Complex, Reliance Petroleum Limited, Jamnagar, India
Safety is the topmost priority in every project executed by L&T. Accordingly, a series of initiatives have been undertaken in this field. That include:

- Incorporation of Safety Policy as a commitment by the top management
- Formulation and documentation of various procedures for safety
- Development of a detailed Health, Safety, and Environment (HSE) manual to be followed at all construction sites, including mishap reporting and investigation
- Sharing of best practices with external agencies such as British Council, Loss Prevention Association of India, National Safety Council, construction and other government agencies
- In-house training and education at construction sites and at head office
- Daily Tool Box talks and site safety meeting at construction/fabrication sites
- Safety organization with qualified safety professionals who help various Business Units in improving safety conditions at construction sites
- Securing OHSAS: 18001 certification from LRQA and maintaining the requirements spelt out under OHSAS:18001
- Incorporation ISO 14001 as an Environmental Policy
Million Man-hours Without Lost time Accident

<table>
<thead>
<tr>
<th>Project/Company</th>
<th>Man-hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>DHDT-Iocl, Panipat</td>
<td>24.2</td>
</tr>
<tr>
<td>Cairn OGT, Barmer</td>
<td>42.0</td>
</tr>
<tr>
<td>Lube Oil, Malaysia</td>
<td>11.5</td>
</tr>
<tr>
<td>SRU - Iocl, Gujarat</td>
<td>12.1</td>
</tr>
<tr>
<td>MSQ - Iocl, Panipat</td>
<td>10.0</td>
</tr>
<tr>
<td>MSQ - Iocl, Mathura</td>
<td>6.1</td>
</tr>
<tr>
<td>ISOM-Mrpl, Mangalore</td>
<td>4.5</td>
</tr>
<tr>
<td>NHT/Cru-Cpcl</td>
<td>4.3</td>
</tr>
<tr>
<td>LOBS-Hpcl, Mumbai</td>
<td>7.0</td>
</tr>
<tr>
<td>GGsr-Hgu, Bhatinda</td>
<td>10.0</td>
</tr>
<tr>
<td>Dht-Mrpl, Mangalore</td>
<td>3.0</td>
</tr>
<tr>
<td>Ncu/Au, Panipat</td>
<td>5.0</td>
</tr>
</tbody>
</table>

Over the past 15 years, L&T has received more than 30 Safety awards from Client and agencies in appreciation of its working culture.
L&T has integrated the requirements of timely delivery within-cost completion and supply of plant equipment to the highest standards of quality in line with contractual requirements by implementation Quality Assurance (QA). The QA system is based on ISO 9000 international standards. All Business Units (SBUs) have been certified to ISO 9001 and ISO 14001 Certification.

The QA system has been modeled on the CII-EFQM Model for Business Excellence-a model jointly developed by the Confederation of Indian Industries and the European Foundation for Quality Management. L&T’s corporate policy is Foundation for Quality Management. L&T’s corporate policy is a reflection of an Integrated Management System for Quality, IT Security whilst implementing globally recognized standards such as

- ISO 9001
- ISO:IES 27001, BS 7799 for information security management systems

With active participation in the National Committee and in the International Organization for Standardization ISO/TC 176 development activities, L&T also assists ISO in validating revisions of ISO 9000. Links are established with various international bodies such as the Institute of Quality Assurance (UK), American Society for Quality (USA), European Organization for Quality (Switzerland) and United Nations Economic Commission to keep abreast of the latest developments in Management Systems.

L&T is the first company in the world to be certified to ISO/IES 27001 for IT security by Bureau Veritas.
Engineering & Technology Centers

- Full spectrum of Engineering capability for HMD Projects
- Over 1800 Highly Skilled & experienced engineering personnel

- Engineering Centers have ISO-9001, ISO-14001, OHSAS 18001 and ISO/IEC 27001 Certification
- Equipped with world class office facility and robust IT infrastructure

Extended Basic Engineering

FrontEnd Engineering & Design (FEED)

Detailed Engineering

Modularization
L&T has unique advantage of in house manufacturing highly critical process equipment, electrical equipment and critical service piping & instrumentation valves in its manufacturing unit spread over in India and abroad.

**MAJOR EQUIPMENT SUPPLIED**

- World’s largest Fluidized Catalytic Convertor Regenerator
- India’s first indigenous Hydrocracker reactor
- World’s largest Vacuum Column
- World’s largest Coal Gasifier
- World’s Largest Coke Drum

**INDUSTRIAL VALVES**

L&T markets valves manufactured by its joint ventures, Audco India Limited in India and Larsen & Toubro(Jiangsu) Valve Company Limited in China, as well as allied products from major international manufacturers.

**Product Range:**
- Globe Valves
- Gate Valves
- Check Valves
- Butterfly Valves

**MAJOR EQUIPMENT SUPPLIED**

L&T offers complete electrical solution in Medium Voltage (MV) and Low Voltage (LV) categories to various industries. It is the market leader in LV switchgear in India and has held a similar position in MV switchgear in South East Asian countries for the last four decades.

**Product Range:**

- Switchgear (MV&LV)
- Control & Automation Systems
- Powergear & Controlgear Products
- Motor Starter
- Energy Meters
- Standard Products

**ELECTRICAL -PRODUCTS & FACILITIES**

L&T has unique advantage of in house manufacturing highly critical process equipment, electrical equipment and critical service piping & instrumentation valves in its manufacturing unit spread over in India and abroad.

**Product Range:**

- Globe Valves
- Gate Valves
- Check Valves
- Butterfly Valves
Location: 295 km north of Mumbai, 21 km from Surat on the right bank of river Tapti, Unimpeded passage to Arabian Sea, 8 km away.

- Total area: 351440 Sq. M
- Covered stores: 1896 Sq. M
- Covered shops: 17000 Sq. M
- Fabrication & Load-out: 305440 Sq. M
- Open storage: 23104 Sq. M
- Offices: 4000 Sq. M
- Annual capacity: 35,000 MT/year

Jetty / Wharf:
- Main Jetty: 200m x 18m
- Heavy Load-out Facility: 80m x 42m
- Load-out capacity: 5,700 MT
- Roll-on-Roll-off Jetty: 60m x 40m

Tides:
- MHWS: +4.0 M
- MHWN: +2.8 M
- MLWN: -0.5 M
- MLWS: -0.5 M

Water Depths:
- Dredged level: -3.0 m
L&T, along with Zubair Group of Oman, has established a state-of-the-art Fabrication yard at Sohar in Oman, primarily for oil & gas projects in the Middle East, Asia, Africa and the North Sea.

In addition to providing a logistic advantage in the regions, the yard also offer oil companies all-important “round-the-year” delivery capability.

The yard is capable to fabricate and load-out a range of complex facilities such as large Offshore oil & Gas Process Decks, Jack-up Rigs, Floating Production Storage and offloading Vessels (FPSO), etc. as per International standards.

**Jetty / Quay Wall :**

- Length : 300 M
- Level : +4.6 m w.r.t. Chart Datum
- Heavy Load-out facility : in excess of 20,000 MT
- Water front : 500 m

**Water Depth**

- Near Jetty : 10 m w.r.t. Chart Datum (LAT)
- Approach channel depth : 8 m w.r.t Chart Datum (LAT)
GLOBAL SOURCING

L&T’s global integrated sourcing and supply system ensure highly skilled dedicated work force, with significant experience in multiple domains, committed to delivering efficient, low-cost and reliable solutions to all our clients.

The procurement group handles the challenge of global sourcing. On an average, over US$ 300 million worth items are sourcing from overseas supplies every year. This includes goods and services imported from USA, Japan, and China as well as several European countries like, UK, Germany, Italy, Spain, Belgium, etc.

**Global Procurement Support Offices**

- Houston
- London
- Seoul
- Moscow
- Milan
- Tokyo
- Shanghai
- Abu Dhabi
- Kuala Lumpur
- Kuala Lumpur

**PROCUREMENT STRENGTHS**

- Category based procurement groups leveraging their specialized knowledge
- Dedicated logistics team for optimized transport solution.
- Satellite procurement and expediting cells at various regions across the globe.

**FAST TRACK PROCUREMENT STRATEGIES**

- Pre-bid back to back tie-ups for critical & long lead equipment
- Pro-active booking of production slot in advance for structural steel, plates etc
- Frame agreements and rate contracts to minimize internal lead time.
- Reverse engineering to make use of available material
L&T undertakes turnkey construction of refinery & petrochemical, chemical, fertilizer, cross-country pipelines and oil & gas terminals covering civil, structural, piping equipment, heavy lifts, electrical and instrumentation works.

L&T also undertakes specialised heavy lift jobs with advanced lifting systems and super-lift cranes.

L&T’s construction wing has a distinction of executing almost all complex process plants in India & created Global benchmarks.
EXPERIENCE WITH CLIENTS, LICENSORS & PMC

CLIENTS

IndianOil
HP
Bharat Petroleum
ONGC
HMEL
KRL
CPCL
NRL
CAIRN
Bharat Oman Refineries Limited
Takreer
PETRONAS
KNPC
Saudi Aramco
Reliance Industries Limited

LICENSORS

Axens
UOP
BP Group Technologies
A Honeywell Company
RV
ExxonMobil
CBI
Lummus
Haldor Topsoe
Orthloff
Technip KTI
EIL
IndianOil

PROJECT MANAGEMENT CONSULTANTS

FW
EIL
TOYO INDIA
Jacobs
Global Toyo
L&T’s National Network

* Registered Office
- Campus - covering fabrication units, factories, centres for design engineering, software development and technology, administrative offices...
- Management Development Centre
- Area Offices
- Branch Offices

L&T A Global Presence

Note: Map is broadly representative of L&T’s presence in markets worldwide.
A representative image of awards and peer recognition secured by L&T for its E&C Capabilities.

Mr. A. M. Naik, L&T’s Chairman & Managing Director, receives the Padma Bhushan from the President of India, Mrs. Pratibha Patil March-2009

Government of India paid tribute to Henning Holk-Larsen by releasing a postage stamp in his honour.

L&T Ranks Among ‘World’s 50 Most Reputable Firms’ – Forbes for the fifth time in a row


L&T is ‘Best for Investor Relations’: Asiamoney

L&T ranks among India’s Top 10 in Wall Street Journal Asia Survey -2008

<table>
<thead>
<tr>
<th>QUALITY</th>
<th>REPUTATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Larsen &amp; Toubro</td>
<td>1. Larsen &amp; Toubro</td>
</tr>
<tr>
<td>2. Hero Honda Motors</td>
<td>2. Tata Consultancy Services</td>
</tr>
<tr>
<td>3. Infosys Technologies</td>
<td>3. Tata Steel</td>
</tr>
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<td>4. Tata Steel</td>
<td>4. Infosys Technologies</td>
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<td>5. Ranbaxy Laboratories</td>
<td>5. Maruti Udyog</td>
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<tr>
<td>Refinery Projects</td>
<td>Hydrocarbon Mid &amp; Downstream - International (KSA, Kuwait, Bahrain &amp; Iran)</td>
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<tr>
<td>L&amp;T Knowledge City, (IT/ITES) SEZ Ground Floor, West Block NH No.8, Vadodara-390019 (Gujarat) INDIA</td>
<td>ATCO Building, 2nd Floor P.O. Box 718 Dammam 31421 Kingdom of Saudi Arabia</td>
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<td>Tel: 00966 3833 5461 / 62 Fax: 00966 3833 5460 Mobile: 00966 504825474 Email: <a href="mailto:mh@Lntenc.com">mh@Lntenc.com</a></td>
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