



# Annual Review | 2021

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## LEADERSHIP TEAM



**A. M. Naik**  
Group Chairman



**S. N. Subrahmanyam**  
CEO & Managing Director



**R. Shankar Raman**  
Whole-Time Director &  
Chief Financial Officer



**Subramanian Sarma**  
Whole-Time Director &  
Sr. Executive Vice President  
(Energy)



**D. K. Sen**  
Whole-Time Director &  
Sr. Executive Vice President  
(Development Projects)



**M. V. Satish**  
Whole-Time Director &  
Sr. Executive Vice President  
(Buildings)



**J. D. Patil**  
Whole-Time Director &  
Sr. Executive Vice President  
(Defence & Smart Technologies)



**T. Madhava Das**  
Whole-Time Director &  
Sr. Executive Vice President  
(Utilities)



**S. V. Desai**  
Whole-Time Director &  
Sr. Executive Vice President  
(Civil Infrastructure)

## EXECUTIVE COMMITTEE (ECOM)



**S. N. Subrahmanyam**  
CEO & Managing Director



**R. Shankar Raman**  
Whole-Time Director &  
Chief Financial Officer



**Subramanian Sarma**  
Whole-Time Director &  
Sr. Executive Vice President  
(Energy)



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(Utilities)



**S. V. Desai**  
Whole-Time Director &  
Sr. Executive Vice President  
(Civil Infrastructure)



**Hasit Joshipura**  
Sr. Vice President & Head  
Corporate Centre



**Shrikant Joshi**  
CEO & Managing Director  
L&T Realty Limited



## EPC PROJECTS

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Larsen & Toubro has acquired a high degree of expertise in undertaking projects of unprecedented scale, scope and sophistication on an EPC (Engineering-Procurement-Construction) basis across the construction and hydrocarbon spectrums as well as power plants and equipment. L&T collaborates with global majors for the design and execution of projects, and is a leader in the EPC world.

### Construction

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### Hydrocarbon

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### Power Plants & Equipment

**From infrastructure projects to offshore oilfields to power plants, L&T's range of EPC solutions is powered by an array of unmatched in-house design-to-delivery capabilities.**



# Snapshot

## Key Geographies



## New Orders

9

Projects

Sitamma Sagar Multipurpose Project

Mumbai-Ahmedabad High Speed Rail Project – Package C4

Mumbai-Ahmedabad High Speed Rail Project – Package P4 X & Y

Delhi-Meerut – Regional Rapid Transit Systems (RRTS) – Package 7

Dhubri-Phulbari Bridge Project

Rishikesh – Karnaprayag Rail Link – Tunnel Package 4

Kudankulam Nuclear Power Project Packages 5 & 6

Chennai Metro Phase 2 – ECV 01

Vikaramashila Setu Bridge Project

## Completed Projects

2

Durgam Cheruvu Bridge, Telangana 1

Singoli Bhatwari Hydro Project 1

## Track Record (including ongoing jobs)

237 km

High Speed Rail

374 km

Metro Projects (Elevated + UG)

54 km

Railway Bridges

81 km

Road Bridges

13

Dams / Barrages

66 km

Road / Rail Tunnels

79 km

of Hydro Tunnels

8

Powerhouse and Caverns

11.2 m Dia.

India's Largest TBM @ MCRP 4

200 m

Below ground level – one of the largest LPG underground storage caverns of its kind, and the 1<sup>st</sup> of its kind in South Asia

5

Greenfield Ports Commissioned

45 km

Breakwater & Rock Structures

8 km

of Berthing Structures

3

Shipyards Structures

1<sup>st</sup>

Twin Containment Nuclear Reactor in India



# Water & Effluent Treatment

L&T Construction's Water & Effluent Treatment business provides complete solutions through its 'concept-to-commissioning' capability covering in-house design, detailed engineering, process know-how, procurement, impeccable project management and seamless execution, extending to virtually every area of the Water, Irrigation and Wastewater spectrum.



Industrial Area Sewage Treatment Works at Qatar



30 MLD Sewage Treatment Plant at Coimbatore

## Key Offerings

- Urban & Rural Water Supply
- Industrial Water Supply
- Water Treatment Plants
- Sewage Treatment Plants
- Effluent Treatment Plants
- Wastewater Collection Network
- Desalination
- Micro & Lift Irrigation Projects
- Water Management
- Smart Water Infrastructure

## Snapshot

### Key Geographies



Pump house irrigating 62,500 Hectares in Kundalia, Madhya Pradesh



120 MLD Water Treatment Plant at Erode, Tamil Nadu



Mukkombu Barrage, Tamil Nadu

**New Orders** **27** Projects

- Rural water supply ..... 15
- Urban water supply ..... 5
- International ..... 1
- Wastewater ..... 1
- Large water ..... 3
- Smart infra ..... 1
- Industrial ..... 1

**Commissioned Projects** **32**

**Track Record**

<b>9.3 Lakh</b> Hectares of land being brought under irrigation	<b>7200 MLD</b> of Water Treatment Plants
<b>5+ Lakh km</b> Channelized Water and Waste Water Network	<b>2100 MLD</b> of Wastewater Treatment Plants
<b>95 Million</b> people benefitted	<b>7500 Hectares</b> of smart infrastructure being developed



50 MLD Water Treatment Plant at Moga, Punjab

# Power Transmission & Distribution

A leading EPC player in the field of transmission and distribution and solar energy, this business vertical offers integrated solutions and end-to-end services encompassing design, manufacture, supply, installation and commissioning. Its unique in-house capabilities include one of the world's largest tower manufacturing and testing stations and a proprietary tracker mechanism.



India's first large-scale Solar-cum-Storage Project with 8MWh BESS in the Andaman Islands



500 kV HVDC Overhead Line, Kenya

## Key Offerings

- Transmission Lines
- Substations
- Underground Cable Networks
- Distribution Networks
- Power Quality Improvement Projects
- Solar PV Plants
- Battery Energy Storage Systems
- Mini / Micro-grid Projects
- Digital Solutions



Containerized Substation at Haliba, UAE

# Snapshot

## Key Geographies



## Domestic Orders **25** Projects

Distribution Modernization Projects	5
Emerging Area Projects: Tunnel Electrification/OFC Laying	5
Packages for Building Substation Clusters	3
Major Solar Plants	2
Transmission Corridor Projects	10

## International Orders **24**

Middle East	Africa	ASEAN
Substation Projects <b>8</b>	Substation Projects <b>2</b>	Transmission Corridor of 500 kV level <b>2</b>
EHV Cable/OHTL Corridors <b>5</b>	Transmission Corridors <b>6</b>	
Solar PV Plants, among the world's largest <b>1</b>		

## Commissioned Projects **47**

Major Transmission Corridors, (up to 800 kV)	15
Households Illuminated	5,15,109
Major Substation Projects	29
Major Solar Plants	3



## Track Record

**40,940** ckm  
of Transmission Lines

**840**  
EHV Substations Including India's First **1200 kV** AIS and **765 kV** GIS

**1,65,710**  
Habitations Electrified

**Over 2.8** GWp  
of Solar Power Plants



# Buildings & Factories

The expertise of this business vertical lies in offering 'turnkey solutions', right from 'concept-to-commissioning' across the entire spectrum of urban infrastructure. Powered by dedicated engineering design centres, competency cells, advanced formwork systems, mechanized project execution, a wide network of consultants and vendors, digitised project control and a talented pool of employees, the business is an industry leader in its space in India and in targeted overseas markets.



Hero Factory, Chittoor, Andhra Pradesh



A. M. Naik Tower, Mumbai

## Key Offerings

- Airports
- Hospitals
- Stadiums
- Hotels
- Institutional Spaces
- Data Centres
- IT Parks and Office Buildings
- High-rise Structures
- Mass-housing Complexes
- Factory Structures and Cement Plants
- Warehousing Facilities
- Fast-track Modular Construction

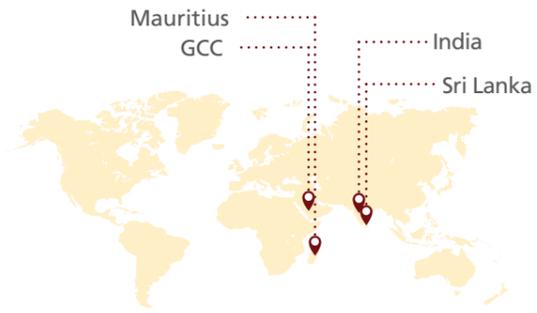


Artist's impression

Patna Medical College and Hospital

# Snapshot

## Key Geographies



## New Orders **26** Projects

Health	4
Public Spaces	5
IT & Office Spaces	5
Residential	3
Factories	6
International	2
Fast-track Modular Construction	1

## Commissioned Projects

Hospital Beds	901
IT Seats	31,800
Apartment Units	3,760
Manufacturing Facilities	1



## Track Record

<b>11</b>	<b>22,901+</b>	<b>2,81,800+</b>	<b>73,760+</b>	<b>85+</b>
International Airports	Hospital Beds	IT Seats	Apartment Units	Manufacturing Facilities



# Transportation Infrastructure

L&T's Transportation Infrastructure business is one of the oldest and largest reputed contractors in India for Engineering, Procurement & Construction of infrastructure projects in the Road, Railway & Airport sectors. The business is broadly divided into two Strategic Business Groups (SBGs), namely, Railways Business Group (RBG) and Roads Runways & Elevated Corridors (RREC).

Well-diversified in terms of its product range, the business leverages its vast experience in Project Management, Engineering Design and Construction Management to achieve international standards of safety, quality and operational efficiency in mega-scale projects spread across India and in targeted geographies overseas. It has Engineering Design centres in Mumbai, Faridabad and Chennai. In addition, it has a Competency Development Centre at Kancheepuram for RBG and a Workmen Training Centre at Ahmedabad for RREC.



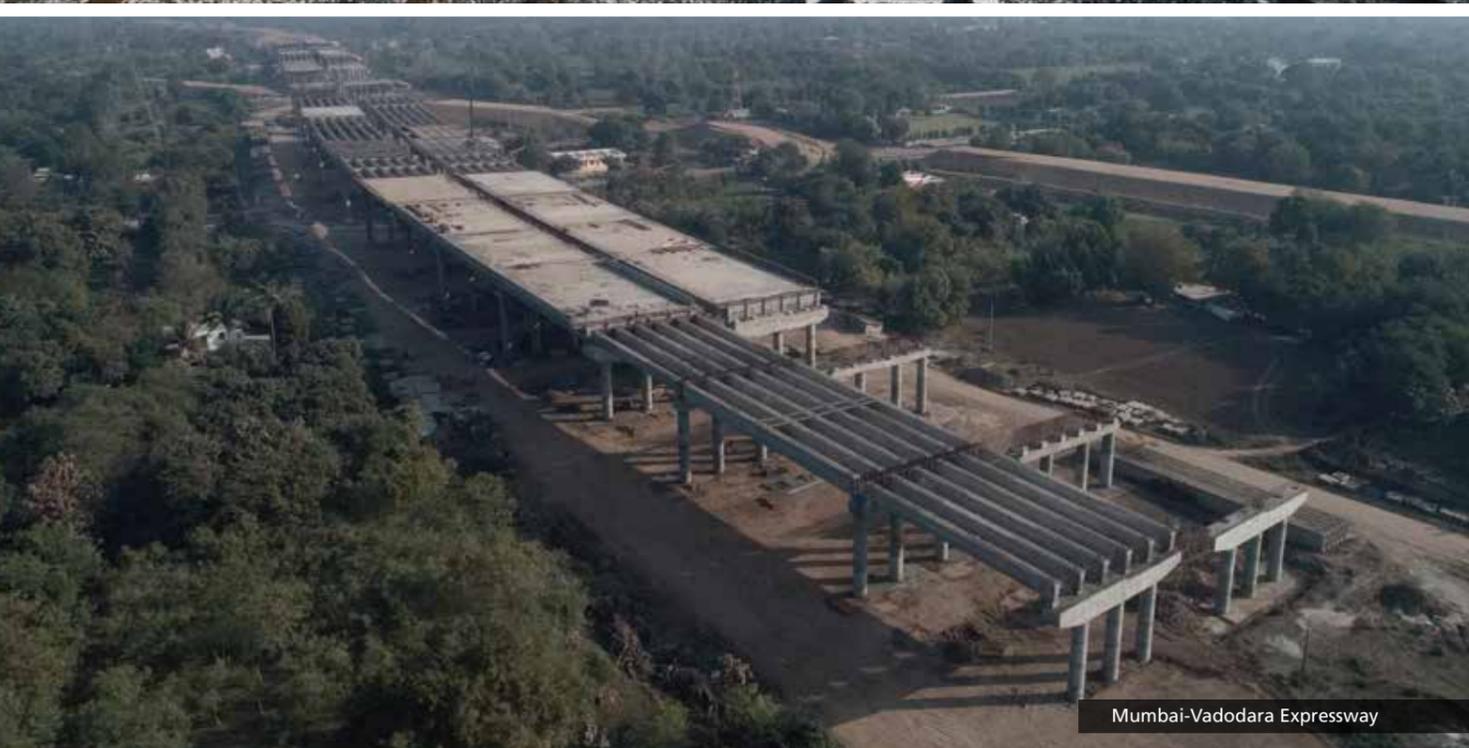
Ghoshpukur-Salsalabari Road Project



WDFC - Track works and 2x25 kV Traction at Marwar Yard



Mumbai-Nagpur Expressway



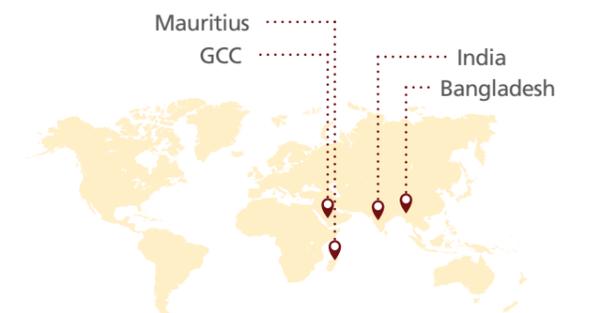
Mumbai-Vadodara Expressway

## Key Offerings

- Roads
- Elevated Corridors
- City Infrastructure (Transportation)
- Runways (Airside Construction)
- Railway Construction
- Railway Systems
- Dedicated Freight Corridors
- Integrated Transit Systems (LRT/Monorail)

## Snapshot

### Key Geographies



# Snapshot

New Orders	9	Projects
Railway Construction (Track / OHE / S&T)	3	
Roads (Highways / Expressways)	2	
Metro (Track / OHE / S&T)	2	
High-Speed Rail (Civil & Building)	1	
Integrated Transit Systems	1	

Ongoing Projects	
Highways	5,515 Lkm
Runways	3.79 Mn. sq. m.
Track Construction	2,302 Tkm
Electrification	7,247 Tkm

Completed Projects	
Highways	17,322 Lkm
Runways	9 Mn. sq. m.
Track Construction	3,307 Tkm
Electrification	12,173 Tkm

Commissioned Projects	6
Railway Construction (Track / OHE / S&T)	4
Roads (Highways / Expressways)	2

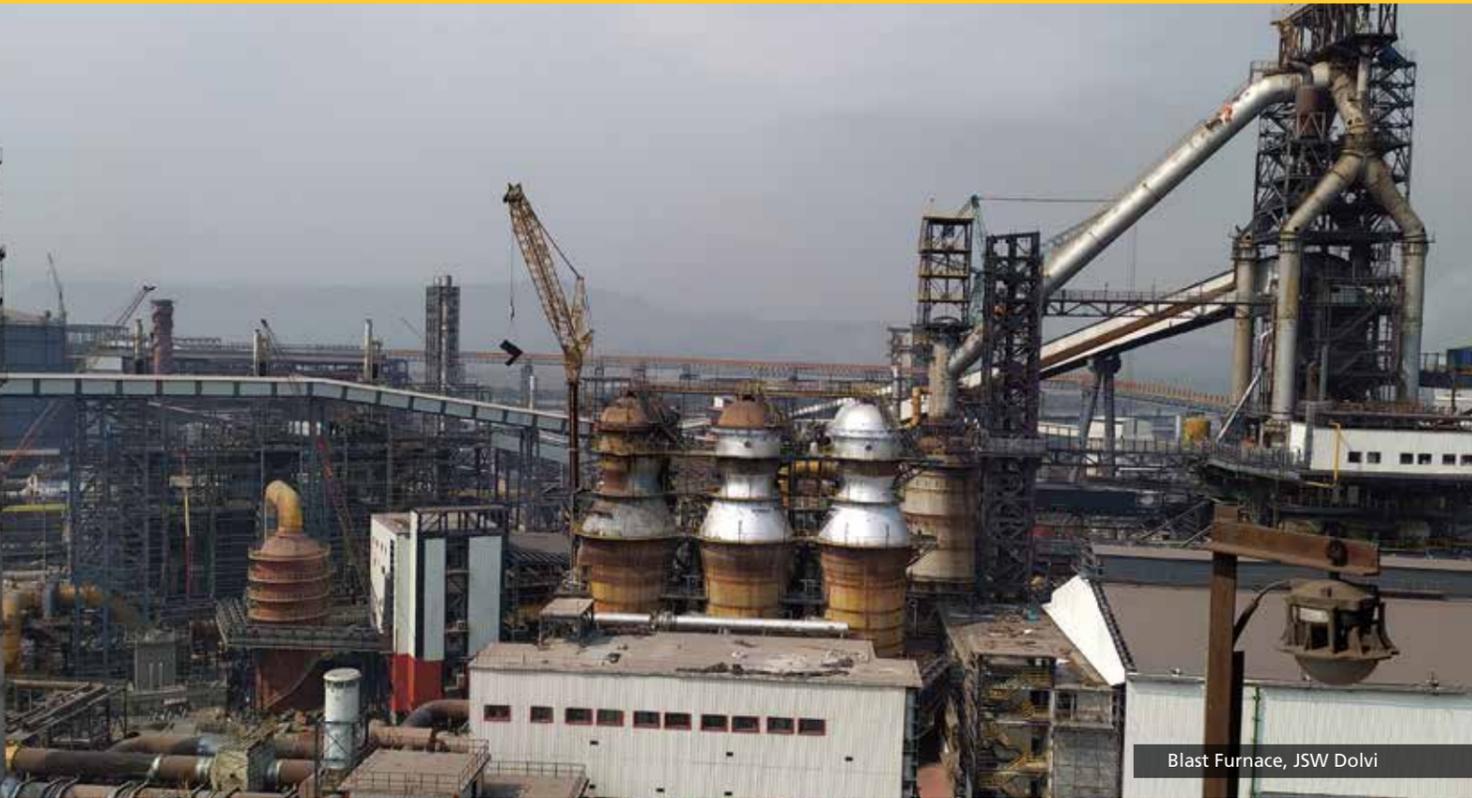


# Metallurgical & Material Handling

L&T's Metallurgical & Material Handling business is a leading EPC solutions provider in the fields of minerals, metals and bulk material handling for large industrial, steel, aluminium, copper, zinc and gold complexes, associated facilities and the mining industry. The business offers integrated solutions for a wide range of systems and equipment, powered by in-house design, engineering, manufacturing, construction and commissioning capabilities.



Stacker Reclaimer, Khargone



Blast Furnace, JSW Dolvi



Coke Dry Quenching Unit, JSW Dolvi

## Key Offerings

- Mineral Beneficiation
- Iron and Steel Making
- Aluminium, Zinc, Copper, Gold Smelters & Refiners
- Specialty Conveyors
- Material Handling & Mining Equipment

## Key Geographies



**New Orders** **49** Projects (FY 19-20)

International Mega Projects	1
Crushing Solutions	16
Surface Miners	14
Domestic Projects	8
Sand Plants	7
Material Handling Equipment	3

Value: ₹ **75,050 Mn**

**Commissioned Projects** **26**

Material Handling Plants	3
Sand Plants	6
Crushers	5
Surface Miners	12

## Track Record

<b>10</b> Blast Furnaces	<b>30 Mn</b> Tonnes of Hot Metal (Iron) Making	<b>7</b> Coke Ovens	<b>4</b> Steel Melt Shops	<b>5</b> Hot Strip Mills
<b>13</b> Mineral Beneficiation Plants	<b>8</b> Al/Zn Smelter Refinery Plants	<b>103</b> Material Handling Plants	<b>489 km</b> of Conveyors	<b>154</b> Stockyard Equipment
<b>124</b> Wagon Tiplers	<b>8</b> Ash-handling Plants	<b>1000+</b> Crushers	<b>38</b> Sand Plants	<b>80</b> Surface Miners

# L&T GeoStructure

This business vertical specialises in executing geostructures like piling, diaphragm walls, embedded retaining structures, ground improvement works for projects across sectors comprising marine and intake structures, dams and bridges. The business has unique expertise in plastic concrete design and execution of deep diaphragm walls. It engages in consultative selling by providing alternative designs and cost-effective solutions with the help of a robust in-house design team. It has a large fleet of high-end hydraulic rigs, RCD rigs, trench cutters, various capacity vibro-hammers and other ground engineering equipment to execute challenging projects, both in terms of complexity and time.

## Key Offerings

- Large diameter bored and driven piles
- Stone columns and vibro-compaction
- Marine structures
- Cut-off walls
- Basement structures
- Composite dams
- Multi-cellular intake structures
- Water retaining geo-structures
- Flood protection works

## Snapshot

New Orders Secured **5**

Ongoing Projects **20**

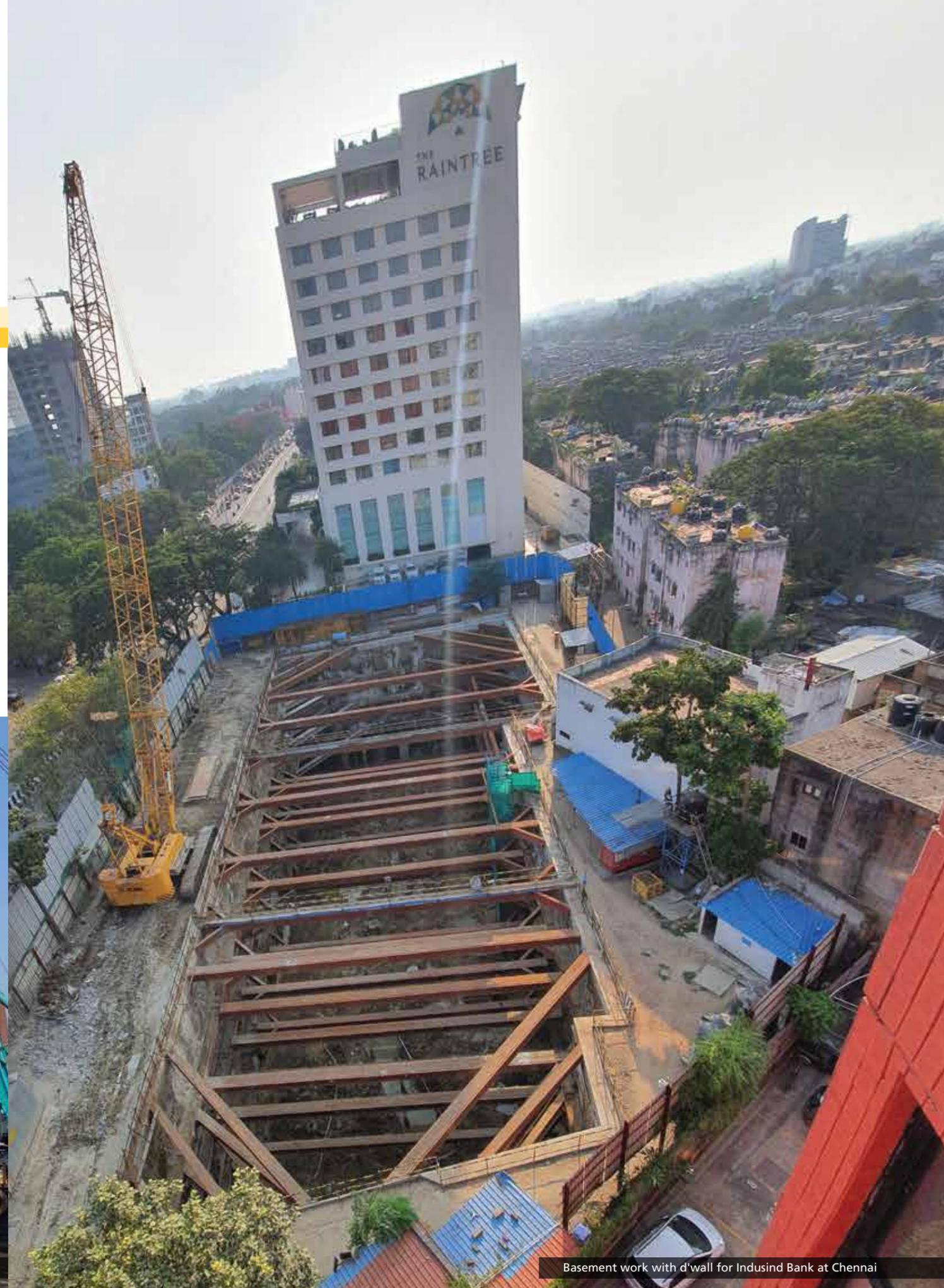
Commissioned Projects **2**

Cut-and-cover section at Korukkupet - UAA 09

CMRL- Korukkupet Station



RCD Piling at MTHL, Mumbai



Basement work with d'wall for Indusind Bank at Chennai



IOCL's INDMAX FCC Unit, fully-commissioned at Bongaigaon, Assam



## Snapshot



\*Project Value > ₹ 50 Mn

## HYDROCARBON

L&T Hydrocarbon Engineering (LTHE), a wholly-owned subsidiary of L&T, offers integrated 'design-to-build' solutions for complex onshore and offshore hydrocarbon projects across multiple geographies. Its track record includes simultaneous execution of multiple, complex, large-value projects meeting stringent delivery schedules, quality and safety norms. LTHE's in-house capabilities are complemented by partnerships with global leaders, while its competitive strengths in project management, engineering, procurement, fabrication, manufacturing, construction, installation and commissioning, combined with best-in-class HSE standards, enable it to consistently deliver on all parameters.

For LTHE, safety remains a core value and the Company continued to deliver a strong HSE performance across domestic and international projects, remaining firmly committed to its 'Mission Zero Harm'. During FY 2020-21 it set new benchmarks in HSE by:

- Achieving LTI frequency rate of 0.06 against an industry average of 0.13 (OGP for Construction Activity 2019-20)
- Receiving 17 HSE awards from prestigious industry bodies and forums domestically and internationally
- Receiving 16 Certificates of Appreciation from clients for HSE performance and project safety milestones
- Running effective COVID-19 Prevention campaigns and adopting a slew of precautionary measures across offices, manufacturing yards, project sites
- Implementing e-PTW and Incident Management software to further digitalise HSE operations

## Key Businesses

- Offshore
- Onshore
- Construction Services
- Modular Fabrication
- AdVENT (Advanced Value Engineering & Technology)

## Key Geographies



6-level Living Quarters Module being fabricated for ONGC's NWIS Project at MFF-Hazira

# Offshore

The Company undertakes FEED and EPCIC projects encompassing the entire hydrocarbon value chain – from oil & gas production to processing. Its comprehensive engineering capabilities span the complete project life cycle, while its in-house fabrication facilities at three strategic locations impart flexibility in project control and cost-competitiveness. LTS 3000, a heavy-lift-cum-pipelay vessel and LTB 300, a pipelay-cum-work barge help expedite offshore installation, ensuring on-time completion of projects.

## Key Offerings

- Process complexes and wellhead platforms
- Gas compression modules
- Subsea pipelines and systems
- Brownfield and upgradation projects
- Living quarters platforms
- FPSO modules and jack-up rigs
- Decommissioning solutions
- Deepwater subsea manifolds and structures
- Offshore wind farms
- Transportation and installation services



Delivered and installed two oil PDMs and associated facilities in Zuluf Fields, Saudi Arabia

## Track Record

10 New Process Platforms	75 Wellhead Platforms (Jacket + Topside)	25 Wellhead Topsides	28 Wellhead Jackets
17 Gas Compression Modules	1258+ km Subsea Pipe Laying	4 Jack-up Rigs Refurbishment	230 Platform Modifications
8 FPSO Topsides (Engineering)	10 Living Quarters	2 Deepwater Projects	

# Onshore

The Company has in-house FEED, process and detailed engineering, procurement, fabrication, construction and commissioning (EPCC) capabilities built over three decades, delivering execution excellence for its customers worldwide. It has experience in executing projects based on technologies from leading global process licensors and also undertakes projects on a License + EPCC package basis, depending on the client's requirements.

## Key Offerings

- Upstream oil & gas processing and treatment facilities
- Petroleum refining projects
- Fertiliser projects
- Petrochemical projects
- Cross-country pipelines and terminals
- Cryogenic storage tanks and regasification terminals
- Coal / pet-coke gasification projects



Farabi Petrochemicals' n-Paraffin & Derivatives Complex at Yanbu, Saudi Arabia

## Track Record

50+ Petroleum Refining Units	21 Oil & Gas Processing Projects	2 Petrochemical Complexes
10 Petrochemical Units	6,500+ km Cross-country Pipelines	10 Oil and Gas Terminals
9 Syngas and Ammonia Projects	9 Cryogenic Storage Systems	83 Cracking Furnaces and Reformers



Haliba Field Development Project for Al Dhafra Petroleum, UAE

# Construction Services

The Company offers turnkey construction of refinery, petrochemical, chemical and fertilizer projects, gas-gathering stations, oil & gas terminals and field development including storage tanks and underground cavern storage systems for LPG and cross-country hydrocarbon pipelines.

It offers innovative construction solutions with cutting-edge technology. Further, it has a large asset base of construction equipment and an impressive track record in providing customised solutions in heavy lifting. Most projects executed are in excess of 10 million construction man-hours, with two projects in excess of 100 million construction man-hours.



LNG Tanks under construction for Adani's Dhamra LNG Terminal Pvt. Ltd



Crude and Vacuum Distillation Unit (CDU/VDU) under construction for HPCL Vizag

## Key Offerings

- Site development and pile foundation
- Complete civil and structural work
- Plant and non-plant buildings
- Piping and mechanical erection
- Electrical & instrumentation
- Tankages including firefighting systems
- Laying of cross-country and in-field pipelines



Coal Bed Methane (CBM) Phase-II project for RIL at Shahdol, Madhya Pradesh

# Modular Fabrication

The Company offers comprehensive Modular Solutions from its world-class Modular Fabrication Facilities, backed by rich and extensive experience in project management, project engineering, procurement and installation / construction, testing and pre-commissioning – primarily in both offshore and onshore domains of the entire value chain of the oil & gas sector. These Modular Fabrication Facilities, equipped with state-of-the-art infrastructure and machinery for operations, coupled with robust QHSE performance, are strategically located at Hazira (India's west coast), Kattupalli (India's east coast) and Sohar (Oman). They have a combined annual capacity in excess of 200,000 MT (depending on the product mix) and are accredited with global certifications and pre-qualifications from oil & gas majors. These all-weather waterfront facilities with their captive load-out jetties offer year-round delivery of complex, large and heavy modules on ocean-going vessels and barges providing logistical flexibility, on-time delivery and cost competitive solutions.

LTHE recently augmented its manufacturing strengths by opening a new integrated manufacturing facility at Jubail in Saudi Arabia to cater to the local market.

# AdVENT (Advanced Value Engineering & Technology)

AdVENT is an incubator vertical established to foster new business lines and technologies, to make the Company future-ready. AdVENT adds four new dimensions to the Company in the areas of new energy, modular solutions, cutting-edge hydrocarbon technologies and smart differentiated O&M solutions for the hydrocarbon industry.

Leveraging its expertise in high-end engineering and execution of large-scale, technologically complex EPC projects over several decades, and collaborating with esteemed R&D centres, renowned institutions and high-tech and core-tech start-ups, AdVENT strives to deliver comprehensive customer-centric solutions for the entire value chain of the hydrocarbon and emerging industries. Core competency developed by AdVENT in engineering of cryogenic and thermal high temperature systems enables large EPC project execution. AdVENT's technical capabilities and agility enable it to offer highly customised solutions.

It actively participated in the MoPNG task force for developing the digitalisation roadmap for E&P sector, and contributed to formulation of the final recommendations. The business was chosen as a consultant by a state-owned oil & gas major for building a demo plant based on its proprietary technology for high-end refining process and catalyst.

## Key Offerings

- Offshore structures and modules for oil & gas projects
- Onshore structures & process modules
- LNG modules
- Foundations and modules for offshore wind farm projects
- Deepwater subsea structures
- Modular specialty furnaces
- Jack-up rigs and MOPU
- Preassembled Electric Sub-station Buildings (PESB) and E&I houses



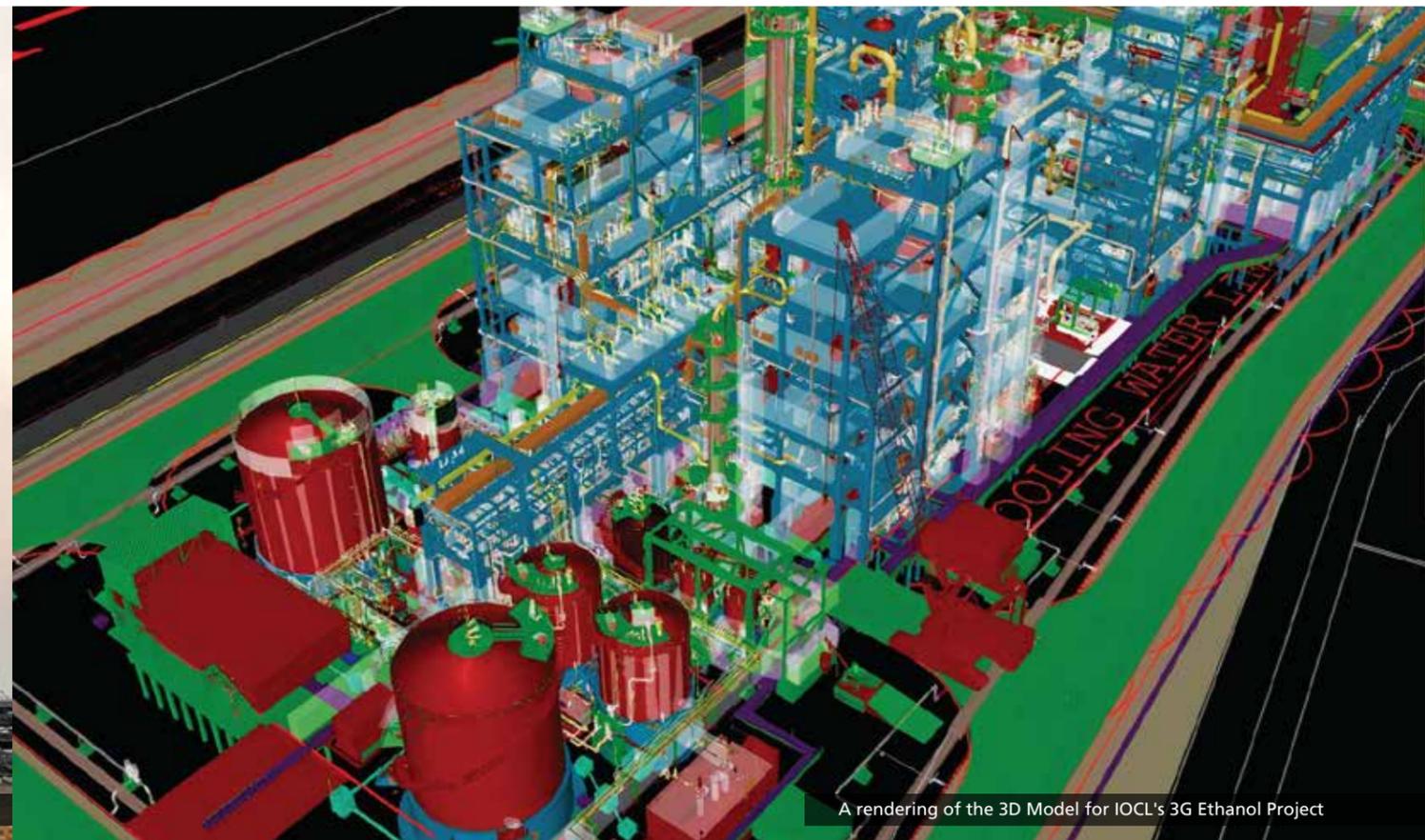
Convection Modules for HMEI Cracker Furnaces Project built at MFF-Hazira

## Key Offerings

- Full-spectrum engineering solutions
- Technology co-development and commercialisation
- Strategic project delivery
- Modularisation solutions for process units and thermal systems
- Digitally-enabled O&M and asset management solutions
- New energy (hydrogen, bio-fuels, carbon capture / utilisation, waste-to-value solutions)
- Emerging technology-driven solutions and innovative business models



Onshore Process and Pipe Rack Modules being readied at MFF-Kattupalli



A rendering of the 3D Model for IOCL's 3G Ethanol Project

# POWER PLANTS & EQUIPMENT

A proven, complete solutions provider for thermal power plants, L&T's power business vertical executes coal and gas-based power projects on a lumpsum turnkey basis. At its state-of-the-art facilities at Hazira in Gujarat, L&T and its joint venture companies manufacture ultra-supercritical / supercritical boilers, turbines and generators, pulverisers, axial fans, air preheaters and air-pollution-control equipment. L&T also supplies and supervises standalone HRSG packages. International standards of safety and quality and on-time delivery are ensured by design and project management centres at Vadodara and Faridabad.



Turbine manufacturing facility at Hazira, Gujarat

## Key Offerings

Complete and package-wise EPC solutions for Power Plants:

- Coal-fired
- Gas-based
- Nuclear Steam Turbine & Generator Island

Air pollution control:

- Flue Gas Desulphurisation (FGD)
- Selective Catalytic Reduction (SCR)
- Electrostatic Precipitators

## Snapshot

### Key Geographies



## Partners

### L&T-MHI Power Boilers Private Limited

This JV with Mitsubishi Power, Japan, engineers, designs, manufactures, erects and commissions ultra-supercritical and supercritical boilers.

### L&T-MHI Power Turbine Generators Private Limited

This JV with Mitsubishi Power and Mitsubishi Electric Corp. Japan, engineers, designs and manufactures ultra-supercritical and supercritical turbines and generators.

### L&T-Sargent & Lundy Limited

This JV with Sargent & Lundy L.L.C, USA, provides a complete range of engineering and design solutions for power plants.

### L&T-Howden Private Limited

This JV with the Howden Group manufactures axial fans and air preheaters.



400 MW Bibiyana South Combined Cycle Power Plant, Bangladesh



Boiler manufacturing facility at Hazira, Gujarat

## Projects

New Contracts	1
Commissioned	1
Ongoing	15

## Track Record

17,500+ MW

EPC of Power Plants



2x660 MW Shree Singaji Thermal Power Plant (Stage-II), Madhya Pradesh



2x660 MW Khargone Thermal Power Plant, Madhya Pradesh (India's first ultra-supercritical power plant)



## HI-TECH MANUFACTURING

L&T has established a reputation for the manufacture of a wide range of high-end technology, engineered-to-order equipment and systems for core industrial sectors. In-house R&D, collaborations with international majors, a dedicated engineering talent pool, global procurement setup and world-class manufacturing facilities have enabled L&T to acquire and sustain a leadership position in many of its lines of business. Global quality accreditations and certifications affirm L&T's manufacturing prowess.

**Heavy Engineering**

**Machinery & Industrial Products**

**Construction & Mining Machinery**

**Defence**

**Valves**

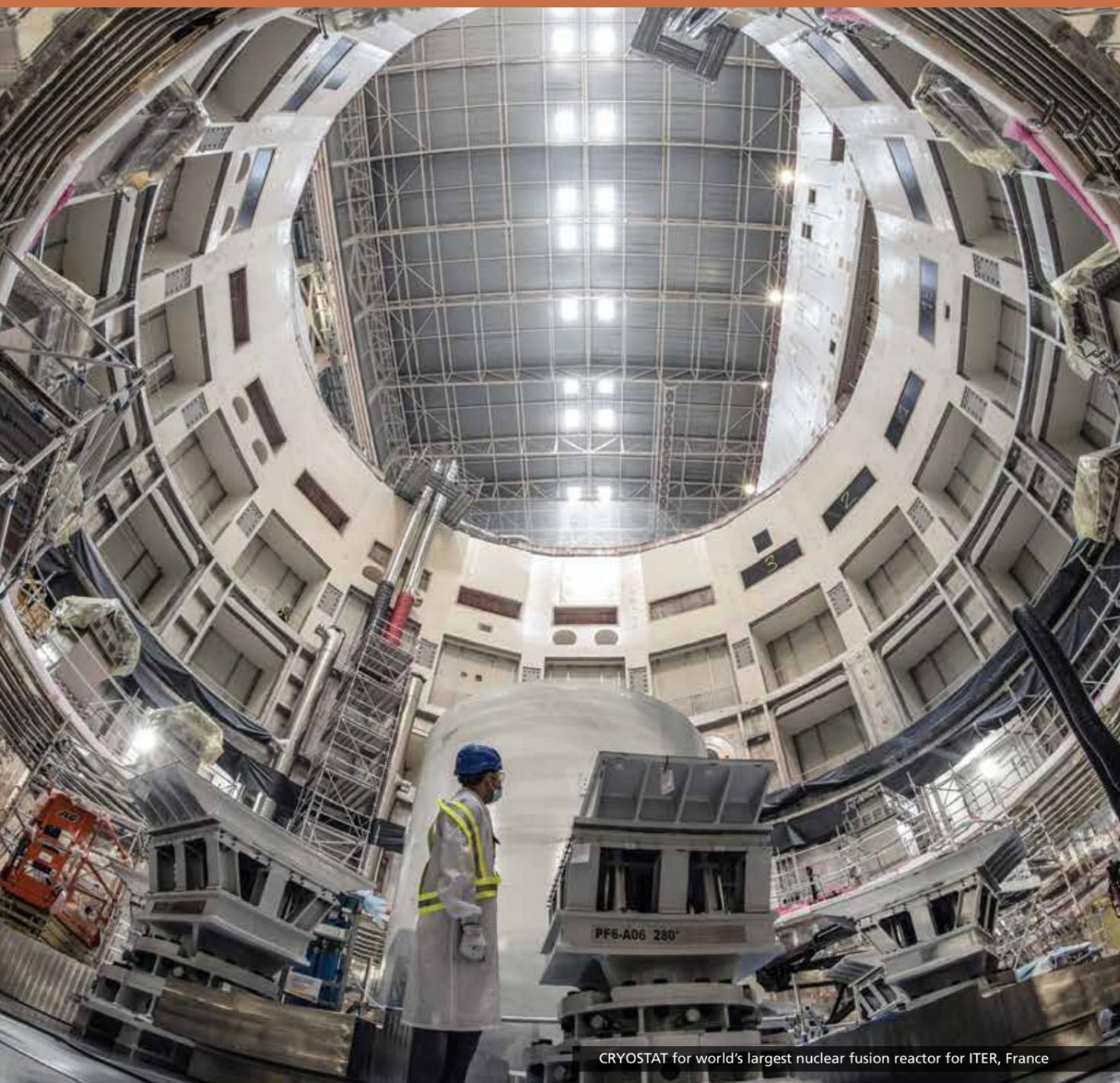
Across the decades, L&T's state-of-the-art facilities have manufactured the tallest, largest, heaviest equipment, setting global benchmarks in scale and sophistication.



Global Benchmark - 700 MWe Steam Generator for Gorakhpur Haryana Vidyut Pariyojana, India delivered in 36 months despite pandemic



EO Reactor for IQOXE's Chemical Plant, Spain



CRYOSTAT for world's largest nuclear fusion reactor for ITER, France

## HEAVY ENGINEERING

L&T Heavy Engineering is recognized as one of the world's top 3 heavy equipment fabricators. Its strengths include in-house design & engineering, state-of-the-art fully-integrated digitally enabled fabrication facilities, R&D Centres and experienced project teams. It custom-designs, fabricates and integrates engineered-to-order critical equipment and piping solutions for core process plant sector (refinery, fertiliser, petrochemicals) and nuclear power industries. Dedicated engineering, procurement, project management and construction teams of our Modification, Revamp and Upgrade (MRU) business offer technology-driven, quick turnaround solutions for process plants. Safety is core and integral to every phase of our operations. The business manufactures equipment conforming to international standards of quality. All manufacturing facilities are digitally enabled with advanced application of Industry 4.0 solutions in engineered-to-order manufacturing. This helped us to ensure uninterrupted customer service to maintain our On Time Delivery track record despite COVID-19 pandemic.

### Key Offerings

- Hydrocracker, ethylene oxide and clean fuel reactors
- Renewable diesel reactor
- FCC reactor and regenerator package
- Coke drums
- Molten salt-bath reactor
- Titanium-cladded oxidation reactor
- Ammonia and methanol converters
- Urea stripper & reactor, carbamate condenser
- Waste heat boiler package
- HP heat exchanger
- Nuclear power equipment
  - Steam Generator and Pressuriser
  - End Shields
  - Fusion Reactor (ITER)
  - Spent Fuel Canisters & Casks
- Modification, Revamp and Upgrade (MRU)
- Critical Piping Spools

### Snapshot

#### Key Geographies



Presence in **49** countries

#### Manufacturing Facilities

**3**



World's heaviest LC MAX Reactors (3 nos.) for HPCL's Visakh Refinery (Residue Upgrade Facility), India each weighing 2313 MT



RFCC Revamp for Orpic/OQ, Oman



EO Reactor for IOCL's Ethylene Glycol Project at Paradip Refinery, India

## New Orders 52

- Total Value ₹ 38,702 Mn
- Domestic ₹ 26,360 Mn
- International ₹ 12,342 Mn

### Nuclear Sector

- 12 Steam Generators (SGs) from NPCIL for the prestigious 3 x 700 MWe Pressurized Heavy Water Reactor (PHWR)
- Fleet order for reactor headers and pressurisers for GHAVP 1 & 2 Units

A total of 28 critical reactors, 14 critical heat exchangers and 53 critical equipment

## Awards and Recognition

- CII Champions' Trophy – Breakthrough Category & Qimpro – Process Innovation Award under MRU Services provided to Customer

## Track Record

121 m

World's Longest Column for Reliance Industries, India

USD 421 Mn

World's Single Largest Order of Reactors for KNPC, Kuwait

2313 MT

World's Heaviest LC-Max Reactors

16.3 m Diameter

Largest RFCC Package for Reliance Industries, India

645 MT

World's Heaviest Coke Drum - 4 drums supplied to Marathon Petroleum Corporation, Garyville Refinery, USA

1500 MT

World's Largest Tubular Reactor for Equate, Kuwait

16

ARDS Reactors (Cr-Mo-V) weighing around 9744 MT (609 MT each) dispatched to ADNOC, UAE

29.4 m Diameter

The Cryostat - world's largest stainless-steel, high-vacuum pressure chamber weighing 3,850 MT for ITER, France



36 MT Hydraulic Turbine Shaft

# MACHINERY & INDUSTRIAL PRODUCTS

## Rubber Processing Machinery

L&T is a global major, providing end-to-end rubber processing machinery solutions to the tyre and rubber industry. It markets its own products that are manufactured at its plant in Kancheepuram, as well as certain products manufactured by Kobelco Industrial Machinery India Pvt. Ltd.



TBR Hydraulic Press

## L&T Special Steels & Heavy Forgings

L&T Special Steels and Heavy Forgings is a JV with NPCIL, and manufactures forgings for several sectors: Nuclear, Defence, Hydrocarbon and Power. With an annual capacity of 40,000 MT of finished forgings, it is a major strategic step towards a sustainable alternative to the import of heavy forgings.

### Key Offerings

Custom-built heavy forgings and thick plates in carbon steels, alloy steels and stainless steels

### Snapshot

**New Orders** 67

Value ₹ 1,210 Mn

Tonnage 5000 MT

Samudrayaan Titanium Forgings

EO Reactor 330 mm thick segments

Pressuriser Forgings: GHAVP 700 MWe PHWR

Arun III Hydropower Project: 50 MT Hydro Shafts

### Track Record

Critical heavy forgings and plates for steam generators and other equipment for

**700 MW**

Nuclear Plant

Heaviest ingot made in India

**> 200 MT**

for the nuclear sector

Thickest ring for the nuclear sector

**800 mm thick**

Heaviest Forged Shell Made in India

**74 MT**

for Hydrocarbon Sector

Facility approved and certified

**Strategic Grade**

(Defense & Nuclear) Forgings

Reference List of

**500+**

shells and tube sheets for the nuclear and hydrocarbon sectors

Thickest forgings for ITER Project

**900 mm thick**

### Awards and Recognition

National Award for Indigenous Development of SG Forgings: Technology Development Board (TDB), GOI

National Sustainability Award: Ferrous Category - Indian Institute of Metals

### Key Offerings

Mechanical Tyre Curing Presses

Hydraulic Tyre Curing Presses

Tyre Building Machines

Tyre Plant Solutions – Built-to-print / Custom-built Machinery

Internal Mixers

Twin Screw Roller-head Extruders

### Track Record

**45+**

Countries

**4,500+**

Machines

**Top 7**

Global tyre manufacturers as clients

### Key Achievements

- Top OTR tyre-curing machinery manufacturer in the world
- Successful acceptance of new-generation hydraulic tyre curing presses and Zeus OTR tyre-building machine
- Successful launch of Zeus single-stage two-wheeler tyre-building Machine
- Value-added programming and analytical services for the tyre industry

### Snapshot

**Years of Experience** 49

**Distinct Product Segments** 4

**Order Inflow**

Value ₹ 4.08 Bn



Single Stage Tyre Building Machine

# CONSTRUCTION & MINING MACHINERY

L&T's Construction & Mining Machinery business has completed 75 years of active association and glorious contribution to the industry. A pioneer in the Indian construction and mining machinery industry, L&T supplies equipment to the infrastructure, irrigation and mining sectors. Its comprehensive range of high-quality and reliable equipment matches global performance standards.



L&T's KSM 304C Surface Miner deployed in the Limestone Industry



Komatsu PC3000 Electrical Shovel supplied by L&T to the Coal Industry

## Key Offerings

### Machines

- Hydraulic Excavators
- Rear Dump Trucks
- Crawler Dozers
- Wheel Loaders
- Wheel Dozers
- Motor Graders
- Tipper Trucks
- Vibratory Compactors – Soil & Asphalt
- Pneumatic Tyred Rollers
- Asphalt Paver Finishers
- Skid Steer Loaders
- Surface Miners
- Sand Plants
- Crushing Solutions
- Apron Feeders

### Special Attachments

- Rock Breakers & Breaker Booms
- Crusher Buckets
- Slope Compactor
- Quick Couplers
- Piling Products

## Snapshot

### Products marketed for

- Komatsu – India & Global
- Scania CV India Private Limited
- L&T Construction Equipment Limited
- Larsen & Toubro Limited - Kansbahal Works

### New Launches

- Komatsu PC3000 electrical shovel, the largest-size machine supplied by Komatsu in 300-tonne class in the Indian market, was assembled and commissioned at site despite the COVID-19 constraints.
- Komatsu WA470-6 side discharge loader
- Special attachment slope compactor, produced indigenously by LTCEL
- Under the machine care programme, L&T launched Suraksha 10000 and Kavach-7500 for Komatsu PC210-10M0 Hydraulic Excavator

## Milestones

Across 75 years, L&T has supplied over 60,000 machines to the Indian market, including excavators, loaders, dozers, graders, dumpers, tippers, compactors and others of various brands and capacities.

Komatsu PC210-10M0 Hydraulic Excavator crossed the 1000-number mark and became the most successful model and fastest-selling machine in the construction equipment segment.

Komatsu's mining models have crossed significant milestones during the year -  
 HD785 Dump Trucks - 60,000 Hrs  
 PC2000 Hydraulic Excavators - 50,000 Hrs  
 PC1250 Hydraulic Excavators- 50,000 Hrs

## L&T Product Development Centre

This in-house R&D Centre at Coimbatore is staffed with highly-skilled and experienced design engineers. The Centre is involved in the design and development of a range of products with innovative technology and rapid prototyping.

## Track Record

- 75+ years** of experience
- 40,000+** machines active in the market
- 6** Service Centres for machine repair
- Wide range** of models in each product category

## Subsidiary

L&T Construction Equipment Limited (LTCEL), a wholly-owned subsidiary of L&T, manufactures indigenously designed road construction equipment and high-precision hydraulic systems and components at its factory near Bengaluru.



Komatsu PC71 - the smallest size Hydraulic Excavator offered by L&T



Scania G500 Heavy Tipper



The CEV-IV compliant L&T 990HF Tandem Compactor



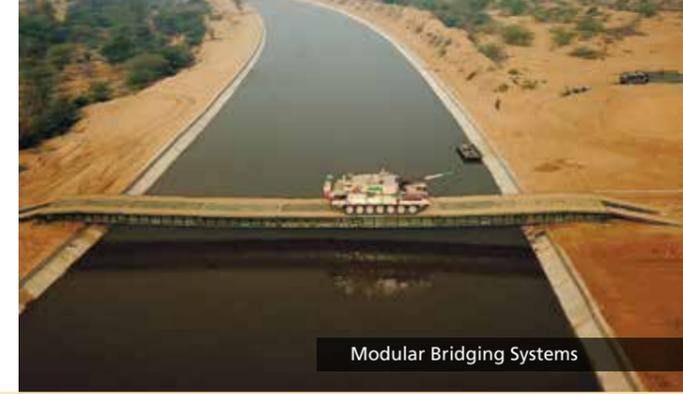
L&T 2490 Pneumatic Tyred Roller ensures better sealing



Pinaka Multi Barrel Rocket Launcher

# Defence & Aerospace

L&T's defence solutions encompass land-based weapon systems, air defence and artillery systems and upgrades, naval weapon launch systems with fire-control systems, combat engineering systems, communication, avionics, C4I and missile systems. L&T designs and builds critical aerospace components, tracking and launch systems for space missions as well as for the Armed Forces.



Modular Bridging Systems

## DEFENCE

L&T partners the DRDO and the Indian Armed Forces in the development of defence products, systems and platforms across land, sea and air operations, in line with its commitment to 'Make in India'. The Company has state-of-the-art facilities for manufacturing weapons & engineering systems, aerospace solutions and naval ships, helping the Armed Forces gain the decisive edge.

### Defence & Aerospace

### Defence Shipbuilding

L&T provides indigenous design-to-delivery solutions – from surveillance to strike. Its aerospace offerings add thrust to India's space programme.



Lightweight Torpedo Launcher

## Key Offerings

- Guns and Armoured Systems
- Missiles and Aerospace Systems
- Avionics, Sensors and Robotics
- Submarines and Underwater Platforms
- Weapon and Engineering Systems
- Unmanned Systems
- Radar Systems

## Snapshot

### Key Geographies



Manufacturing Facilities in India **7**



L&T has provided critical subsystems for most of India's space missions



K9 Vajra-T Self-propelled Howitzer at Republic Day Parade rehearsal in New Delhi



Anti-Submarine Rocket Launcher



Floating Dock for Indian Navy

## Defence Shipbuilding

L&T offers a range of ocean-going vessels for defence including frontline warships, submarines, auxiliary vessels and special naval platforms. L&T's Warship Design Centre, equipped with state-of-the-art software and associated tools, undertakes high-end design – from concept to production drawings.

L&T also designs and manufactures critical ship systems. Through-life support and obsolescence-management offered by L&T extend the operational life of platforms considerably.

### Key Offerings

Ocean-going vessels for defence, including:

- Frontline Warships
- Submarines
- Auxiliary Vessels
- Special Naval Platforms

### Snapshot

#### Facilities

Shipyards ..... 2

#### Delivered Orders (FY 20-21)

Interceptor Boats ..... 3

Offshore Patrol Vessels ..... 1



Offshore Patrol Vessel for Indian Coast Guard

## VALVES

L&T Valves Limited, a wholly owned subsidiary of L&T, is a leader in flow-control solutions. Leveraging its global manufacturing footprint and a heritage for excellence that spans six decades, the Company offers unmatched customer satisfaction. The portfolio includes products monogrammed API 600, API 594, API 6D, API 609 and API 603 valves with CE, ATEX and SIL certifications, as well as IIoT-ready digital solutions. Its marketing network spans the globe, reinforced by strategic alliances with key distributors.



### Key Offerings

- Gate, Globe and Check Valves
- Pipeline & Process Ball Valves
- Triple-offset & Elastomer-lined Butterfly Valves
- DBB Plug Valves
- Control Valves
- SIL3-capable Automation Solutions including HIPPS
- Digital Products & Solutions
- Aftermarket Solutions
- Knowledge-sharing Programmes

#### Sectors Served

Oil & Gas	Power	Defence
Refining	Nuclear	Aerospace
Petrochemicals	Fertiliser	Chemicals
Pipelines	Pharmaceuticals	Water



Bellow-seal and Cryogenic Valves for green and clean services

### Snapshot

#### Manufacturing Locations 5



#### Track Record

Celebrating **59** years of excellence

Valves in operation in **61** countries

Approved and accepted by global majors in the oil, gas and power sectors



# INFORMATION TECHNOLOGY

## LTI

LTI, a global technology consulting and digital solutions company, delivers best-in-class experience in the new normal and continues to solve complex problems across industries.

With a sharp focus on Data, Cloud and Digital, LTI anticipates and leads the change to be always in the leader's quadrant for profitable growth, driven by its new ways of working, and innovative solutions like xFH, SafeRadius, Canvas and Infinity Cloud Platform.

LTI's Yin-Yang model is helping the Company adopt hybrid working at scale to respond to the challenges posed by the pandemic and changing paradigms. LTI's responsible initiatives towards energy efficiency and natural resource management, society and community support, DEI (diversity, equity and inclusivity), strong data privacy and security allow it to focus on Environment, Social and Governance (ESG) parameters to drive sustainability across the value chain.



Mosaic Experience Centre

## Key Recognitions

- Ranked the fastest growing brand in Brand Finance IT Services 25 2021 ranking
- Ranked 75<sup>th</sup> in Business India's Super 100 Annual Rankings
- Topped the list of 'IT Services Challenger 2021' in Everest Group's PEAK Matrix Service Provider of the Year™ Awards
- Recognised as a Top Employer 2021 in the UK by the Top Employers Institute
- Recognised as the 'Great Place to Work' 2021 in the USA
- Conferred the Golden Peacock National Quality Award 2021
- Leads the Institutional Investor's 2021 All Asia Executive Team Ranking



LTI headquarters, Mumbai

## Snapshot

### Key Geographies



54 Sales Offices across  
31 Countries in the US, EMEA & APAC

### Solving for the Great Restructuring

LTI is leveraging new-age technical approaches to enable solutions and accelerators for new operating models, direct-to-customer initiatives, workplace modernisation, and enhanced security and privacy.

#### Industry-relevant themes

- Unlimited enterprise – to enable modernisation and transformation
- Insightful enterprise – to democratise data and democratise decisions
- Reimagined enterprise – to enable a modern and simplified core reimagine processes
- Engaged enterprise – to engage employees and customers

**Proven platforms:** Mosaic, Canvas, Leni

**Partnerships for Cloud:** AWS, Azure, GCP, IBM, Snowflake and more

### Track Record

6<sup>th</sup> Largest

Indian IT Player

35,000+

Employees Working out of 35 Delivery Centres

425+ Clients

including 71 Fortune 500 Companies

7 Acquisitions since listing

- Poweupcloud Technologies
- Lymbyc
- AugmentIQ
- Syncordis
- Ruletronics
- NIELSEN+PARTNER
- Cuelogic

# Mindtree

Mindtree [NSE: MINDTREE] is a global technology consulting and services company, helping enterprises marry scale with agility to achieve a competitive advantage. 'Born digital,' in 1999 and now a Larsen & Toubro Group Company, Mindtree applies its deep domain knowledge to well over 250 enterprise client engagements, helping them break down silos, make sense of digital complexity, and bring new initiatives to market faster. Mindtree enables IT to move at the speed of business, leveraging emerging technologies and the efficiencies of continuous delivery to spur business innovation. As a leader in digital transformation, Mindtree helps deliver cutting-edge services and solutions to customers across industry sectors such as Communications, Media and Technology (CMT), Retail, CPG and Manufacturing (RCM), Banking, Financial Services and Insurance (BFSI), Travel, Transport and Hospitality and Healthcare. Operating in 24 countries across the world, Mindtree is consistently regarded as one of the best places to work, powered by the Company's winning culture made up of over 32,000 (as of September 30th, 2021) entrepreneurial, collaborative and dedicated Mindtree Minds.



Mindtree West Campus, Bengaluru

## Key Offerings

### Customer Success

Mindtree delivers insightful digital experiences in an agile, secure, and resilient manner. The Company's deep-rooted digital engineering expertise and fluency with AI-based tools enable it to scale-up at non-linear costs. By applying analytics and cutting-edge technologies, Mindtree helps leading brands enhance customer experience, and go to market with the right offerings, to the right audience, at the right time.

### Data and Intelligence

With an optimal mix of AI and human intelligence, Mindtree provides analytical solutions that convert data into actionable insights. The Company helps clients implement and realize the right data strategy to drive improved business outcomes. From conceptualizing data strategy, to identifying the right use cases for AI and analytics and implementing appropriate data architecture, Mindtree provides end-to-end data services and helps deliver value.

### Cloud and Infra

Mindtree partners with customers in their cloud transformation journeys, helping them evaluate their existing technology landscape, establish the end-state view, move to cloud, operate efficiently, and unlock value using Application Programming Interfaces (APIs) and cloud-native development. The underlying objective is to make IT steadfast, secure, cost-effective, adaptive, and outcome-driven.

### Enterprise IT

At the center of Mindtree's Enterprise IT service line lies the determination to enable clients to transform their technology ecosystems. The Company aims to deliver zero-cost transformations in a steady manner, while deploying new-age monitoring and support systems. This is made possible by its intelligent platforms that automate the entire IT service delivery lifecycle.

### Consulting

Mindtree accelerates transformation at the intersection of business, technology, and experience. It drives growth by solving complex business problems swiftly, via a design-centric, agile, and platform-driven method. Mindtree helps clients tackle the present and focus on what's next, delivering outcomes by combining its service and consulting expertise.

## Snapshot

### Key Geographies



42 Offices across 24 Countries

### Track Record



### Hypergrowth with Hyperscalers

Azure, Google Cloud, Service Now & Salesforce

### Accolades

- Named a 'Major Contender' by Everest Group in its 'Software Product Engineering Services PEAK Matrix® Assessment 2021' and 'Application and Digital Services in Banking PEAK Matrix® Assessment 2021: Global Focus' reports.
- Named among 40 customer analytics service providers in Forrester's 'Now Tech: Customer Analytics Service Providers, Q2 2021' report.
- Ranked second for client satisfaction in the 2021 UK IT Sourcing Study, conducted by Whitelane Research in collaboration with PA Consulting, with an overall satisfaction score of 80%, well above the industry average of 72%.
- Ranked amongst the top 5 companies in India with the highest ESG (Environmental, Social and Governance) scores in an evaluation by CRISIL Ltd. that analyzed three annual reporting cycles of 225 companies across 18 sectors through fiscal 2020.
- Won the BW Businessworld HR Excellence Award 2021 for employee welfare.
- Honored by the Association for Talent Development (ATD) with BEST awards for demonstrating enterprise-wide success as a result of employee talent development.
- Certified by Great Place to Work® Institute as a Great Place to Work® in India and recognized as one among India's Best Workplaces™ for Women for 2021 (Top 50 – Large Companies).
- Won three Brandon Hall Group Human Capital Management Excellence Awards for 2021 for innovative leadership development, HR data analytics, and employee benefits, wellness and well-being programs.



Digital Pumpkin - Innovation Centre, Bengaluru

# TECHNOLOGY SERVICES

## LTTS

L&T Technology Services Limited (LTTS) is a leading global pure-play Engineering Research & Development (ER&D) services company. It offers design and development solutions throughout the product development lifecycle, and provides services and solutions in the areas of digital products and services, digital manufacturing services, plant engineering, application engineering, mechanical and embedded systems. LTTS offers specialized services and solutions in new-age technology areas such as Electric Autonomous Connected Vehicles (EACV), 5G, Digital Manufacturing, AI/ML driven Smart Offerings, Sustainability and Medtech. LTTS' customer base includes 69 Fortune 500 companies and 57 of the world's top engineering research and development (ER&D) companies, across transportation, industrial products, telecom & hi-tech, medical devices and plant engineering.



Think studio

## Key Offerings

LTTS has strategically aligned its offerings to support customers in the 'new normal'. These offerings include:

**Electric Autonomous Connected Vehicles (EACV):** New technologies, changing consumer preferences and increased regulation is reshaping the automotive industry. LTTS' innovations in the EACV segment, is helping clients develop cutting-edge transportation technologies.

**5G:** The fifth generation of telecom services is set to revolutionise the way LTTS looks at connectivity. LTTS has developed several accelerators and automation frameworks and is well-poised to reduce customer's time-to-market, thereby helping them stay ahead of the curve.

**Digital Manufacturing:** New social distancing norms call for digital prototyping and manufacturing with minimal contact to support both the economy and society at large. LTTS' Industry 4.NOW digital framework empowers manufacturers to tackle the new set of challenges in the post-pandemic world.

**AI/ML driven Smart Offerings:** AI/ML-driven offerings are opening untethered possibilities for continued business growth. Armed with these technologies, LTTS is pushing the frontiers of innovation and creating new possibilities for a smarter world.

**Sustainability:** With the vision of building a sustainable world, LTTS is helping its customers expand the use of renewable energy, drive water conservation measures, reduce carbon emissions and develop Net Zero products.

**Medtech:** Emergence of technology-based use cases, adoption of key healthcare policies, and shifts in consumer behaviour are disrupting the healthcare industry. With years of innovation expertise and 50+ patents in the healthcare domain, LTTS provides a host of offerings to help providers and OEMs to tap into these emerging technologies in the new normal.



Smart Industry Control concept

## Snapshot

### Track Record

69

Fortune 500 Companies as customers

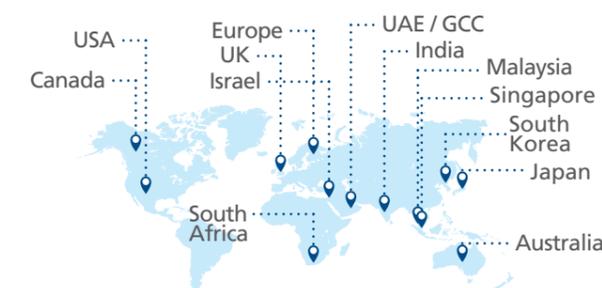
#1

pure-play ER&D services provider from India since listing in 2016

90%

repeat business from customers over last 3 years

### Key Geographies



72 R&D Labs, 28 Global Offices, 17,900+ Employees

### Engineering Excellence

- Robotic Endo-Trainer Kit
- State-of-the-art Electric Vehicle (EV) Lab
- Integrated 3D Plant Digitisation Centre of Excellence
- AI-based chest X-Ray analysis system, Chest rAI™
- Solar Connectivity Drone
- Built world's first autonomous welding robot
- Designed India's first affordable blood cell counter

### Industry Recognition

- Everest Group positioned LTTS as a leader in Industry 4.0 services in its PEAK Matrix® Assessment 2020
- Zinnov Zones rated LTTS as a leader across Digital Engineering, IoT, AI and Digital Thread and positioned LTTS in the Leadership zone in 6 major verticals for the fourth consecutive year
- ISG Group rated LTTS as Leader in Smart Manufacturing services for Automotive & Hi-Tech



Headquartered at Knowledge City, Vadodra, L&T Technology Services helps clients gain the competitive edge by building smart products, enabling smart manufacturing and offering smart services.



Command Control Centre, Technology Innovation Centre, Chennai



Variable Message Display, Pimpri-Chinchwad



GSAT-20 Ground Station, Ahmedabad

## SMART WORLD & COMMUNICATION

L&T Smart World & Communication (SW&C) is committed to enhancing the quality of life through technology and digital interventions. As a master system integrator, the business provides technical solutions and services in the domains of Safe, Smart, Communication and Digital Technologies. SW&C leverages its technical prowess to solve problems through smart, scalable solutions for security, urban services, traffic, transportation, utilities and offers solution in the space of communication and digital connectivity. The business is playing a crucial role in COVID relief through its smart technological and innovative solutions in various cities across the country.

The Military Communication segment offers Command, Control, Communications, Computers, Intelligence, Surveillance and Reconnaissance (C4ISR) systems and Satcom solutions that empower military forces with the most advanced fully integrated systems to enhance their decision-making capability and, in turn, to increase their operational effectiveness.

With a diversified team of more than 800 professionals, including IOT engineers, data scientists, domain experts, cyber security experts, project management and operations

professionals, the business has successfully implemented and is maintaining operations in more than 25 cities in the country, and has digitally enabled 13 states through various Government programmes. The business is executing the advanced metering infra for 50 lakh smart meters in U.P, Haryana and New Delhi.

The business is focusing on enhancing its services and solutions offerings further in next-gen technology areas – artificial intelligence, picture intelligence, facial recognition, cyber security, smart energy, machine learning, etc.

SW&C has launched L&T Fusion – an augmented intelligence platform to solve problems of cities, law enforcement agencies and critical infra. This initiative will help the business to transform into a thought partner for cities and law enforcement agencies through continuous problem-solving by leveraging IOT, AI and mobility technologies.

The Centre of Excellence team at Hyderabad, coupled with the Technology Excellence Centre at Chennai and the R&D facility at Bengaluru, is developing new-age solutions such as energy analytics, edge-based video solutions, network management system, TETRA and 5G.

### Key Offerings

Smart Cities and Smart Infrastructure

Advanced Metering Solutions

Safe Cities

Communication Network and Telecom Infra

Cyber Security

Military Communication Systems

### Snapshot

#### Key Locations



Data Centre, Technology Innovation Centre, Chennai



Jhansi Smart City, Integrated Command & Control Centre

### New Orders

3

- Safe City ..... 1
- Communication Network ..... 1
- Critical Communication ..... 1

### Commissioned Projects FY 21

- Smart Cities ..... 2
- Safe City ..... 1
- Metro Communication ..... 1
- Critical Infra Security ..... 1
- GSAT Projects ..... 3

### Track Record

45

Projects



Data Centre, Hyderabad

### Highlights

- CCCs / DCs ..... 25+
- Smart Meter AMI ..... 1.5 Mn
- CCTVs ..... 32,000+
- Access Points ..... 22,000+
- Variable Message Displays ..... 1,000+
- ICT for Schools/Colleges ..... 6,000+
- GPs GPON Connectivity ..... 12,000+
- ATCS & ITMS ..... 750+



Early Warning Dissemination System, Odisha



Smart Pole, Vizag

# REALTY

L&T Realty specialises in the execution of large residential, mixed-use, and transit-oriented developments. Today, after a decade in the real estate business, it is one of the most trusted brands and is respected for its customer centricity and efficient design. The true reflection of consumer focus comes from insight-driven master planning and product development. The business derives its competitive advantage from transparency, cutting-edge technologies, and superior project management skills – to create landmarks that meet global standards. Amongst the 120 plus awards and accolades, L&T Realty was conferred the 'Best Consumer Centric Company' from Customer FEST leadership Awards 2020.



Artist's impression

L&T Tech Park , Bengaluru



Artist's impression

L&T Powai West, Mumbai

## Key Offerings

- Mixed-use integrated developments
- Transit-oriented developments
- Residential complexes
- Commercial and retail spaces
- Built-to-suit projects

## Snapshot

### Key Locations



### Key Clients

JPMC, Colgate, Sanofi, WeWork, Ansell, Henkel, Teva Pharma, Koch Industries, Tibco, SBI Life and many more...

### Development Portfolio





Rejuve 360 - Mulund, Mumbai



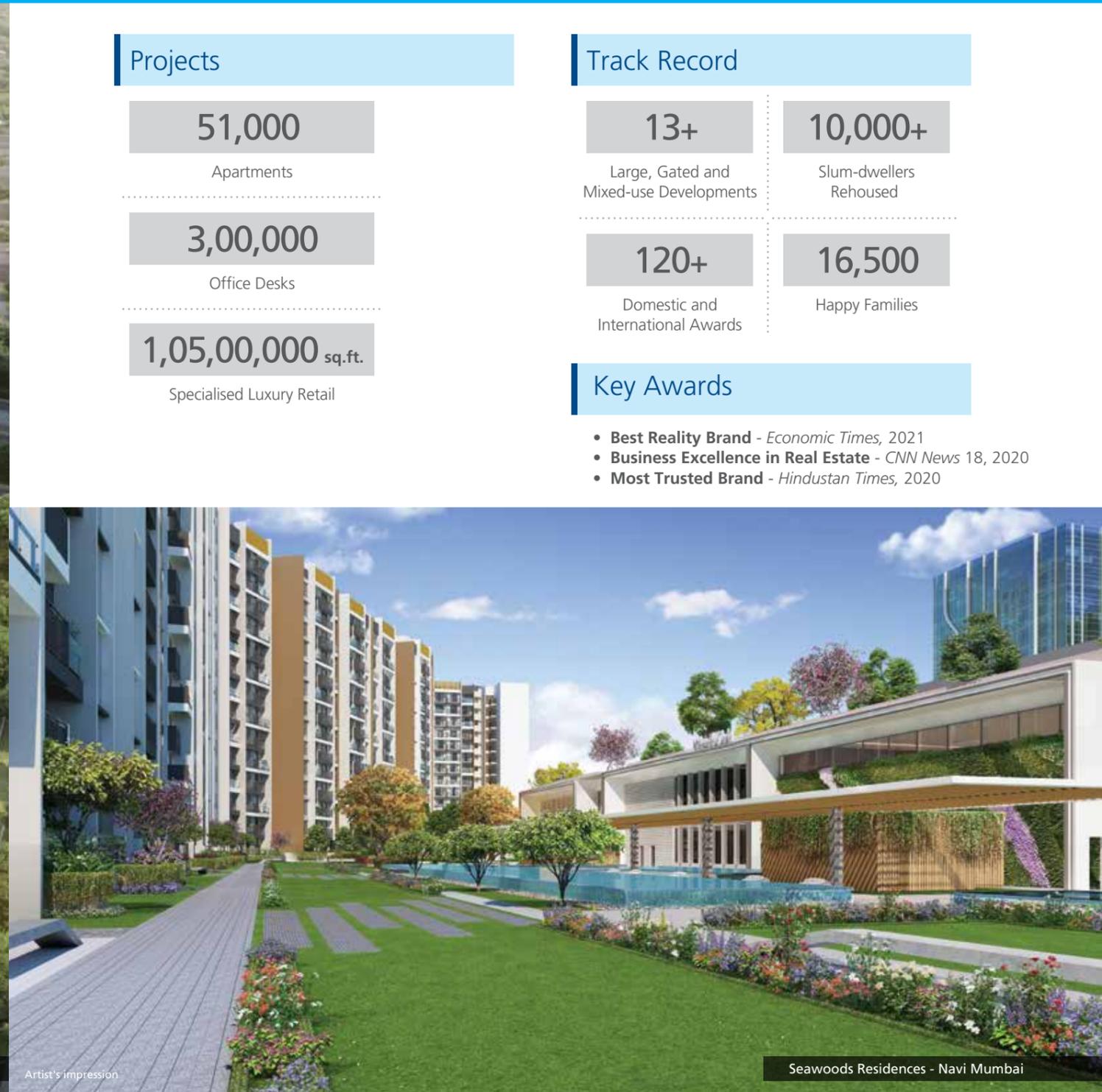
Crescent Bay - Parel, Mumbai



L&T Seawoods Grand Central - Navi Mumbai



L&T Innovation Campus, Chennai



Seawoods Residences - Navi Mumbai

### Projects

51,000

Apartments

3,00,000

Office Desks

1,05,00,000 sq.ft.

Specialised Luxury Retail

### Track Record

13+

Large, Gated and Mixed-use Developments

10,000+

Slum-dwellers Rehoused

120+

Domestic and International Awards

16,500

Happy Families

### Key Awards

- **Best Realty Brand** - *Economic Times*, 2021
- **Business Excellence in Real Estate** - *CNN News 18*, 2020
- **Most Trusted Brand** - *Hindustan Times*, 2020

# FINANCIAL SERVICES

## LTFH

L&T Finance Holdings (LTFH) is a leading, well-diversified Non-Banking Financial Company (NBFC) with a focused range of financial products and services across rural, housing and infrastructure finance, along with mutual funds. L&T Financial Services is the brand name of LTFH.

Over the past few years, the Company has successfully harnessed the power of digital and data analytics to enhance portfolio quality, achieve scale, increase cost efficiency and build market leading products.

The idea of social responsibility to empower the less privileged and enhance their livelihoods is at the heart of the Company's corporate culture. The Company also takes its ESG responsibility seriously and certified a constituent company in the FTSE4Good Index Series, two times in a row.

L&T Financial Services remains committed to creating sustainable value for all stakeholders.

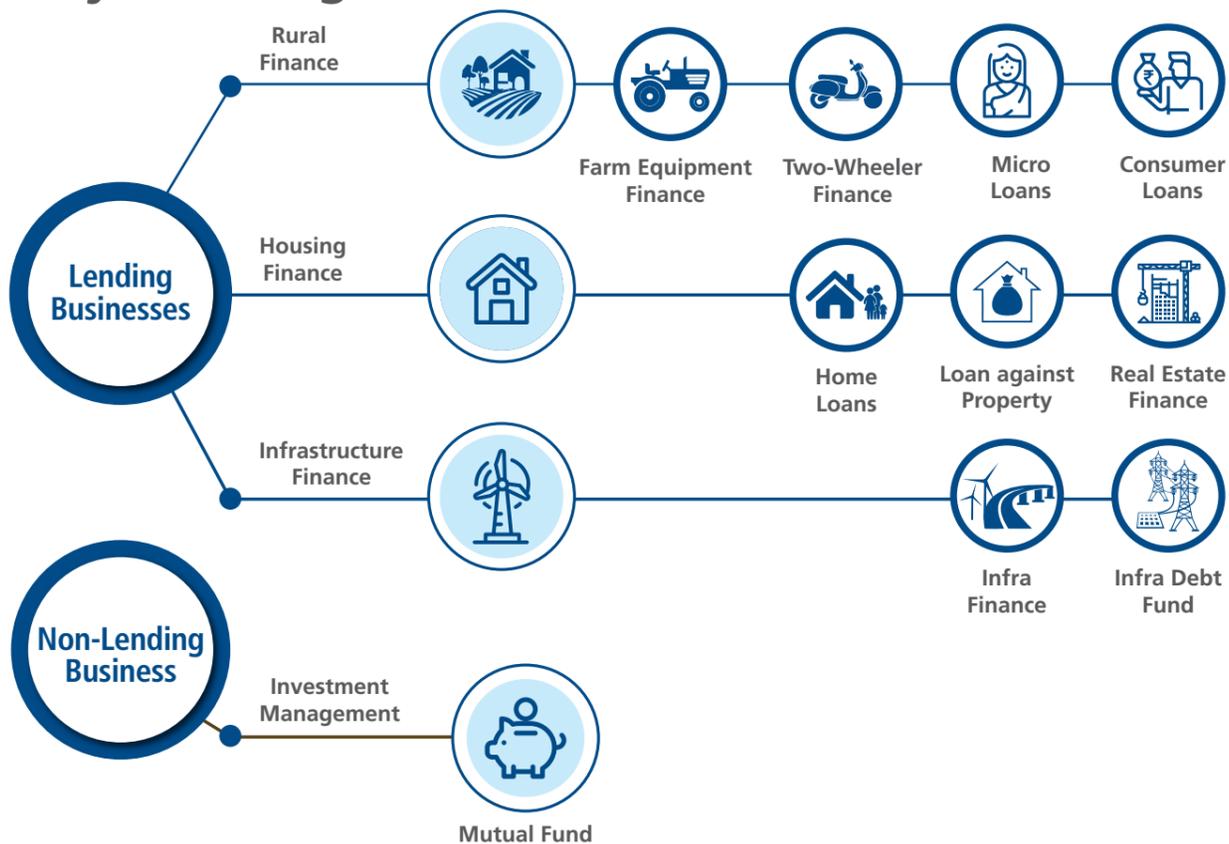


Farm Equipment Finance



Housing Finance

### Key Offerings



Micro Loans



Two-Wheeler Finance

### Snapshot

#### Nationwide Presence

197

Branches

1,395

Meeting Centres

#### Track Record

₹ 9,40,130 Mn

Book size

111+ Lakh

Customer base

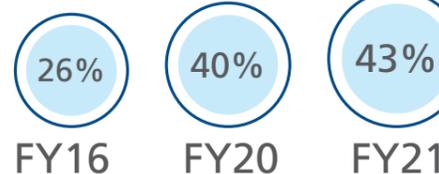
#### Market Share

Increased market share to become one of the largest Farm Equipment Financiers

Continues to be one of the leading players in Micro Loans, Two-Wheeler Finance and Renewable Finance

#### Retailisation

Continues to deliver on the retailisation strategy



#### Awards

- Golden Peacock Award for Corporate Social Responsibility, 2020
- FICCI Corporate Social Responsibility Award for Women Empowerment, 2020
- Business Standard Social Excellence Award 2019 Most Socially Aware Corporate of the Year (March 2020)

#### Credit Ratings

Rated AAA by four rating agencies:

- CRISIL
- ICRA
- CARE
- India Ratings

#### ESG Rankings

MSCI ESG Ratings – A

FTSE4Good Index Series – Certified as a constituent company

Sustainalytics – 28.2: Medium risk of experiencing material financial impacts from ESG factor

# SUSTAINABILITY

L&T is one of the first few organisations in India to voluntarily set sustainability targets aligned with the Company's Business Plan LAKSHYA 2021.

The Company publishes its Integrated Report every year which is based on the International Integrated Reporting Framework (IIRC) and Global Reporting Initiative (GRI) Standards. The report demonstrates the interlinkage between the various capitals, i.e. Financial, Natural, Intellectual, Manufactured, Social and Relationship and Human capitals. It discusses in detail the organisation's strategy, governance, social, environmental and economic context within which company operates.

L&T believes that sustainability is all about imbibing informed, responsible and inclusive business practices. L&T views sustainability through the lens of its core values, consciously and continuously aligning its activities for the benefit of its stakeholders.

L&T is investing and growing equitably in all Environmental, Social and Governance (ESG) initiatives to improve its sustainability performance. By embracing a digital future, robust risk management process, strong stakeholder dialogues, and connectivity of information, the Company continues to deliver products and services designed to create a better world for everyone.



Drinking water and shade for Pipeline workmen in Bankura Indpur



Digitization initiative to enhance safety

## Thrust Areas



### Better Planet

**128**  
Mn kWh

energy saved since 2008

**28.87**  
Mn kWh

renewable energy used on our premises in FY 21

**109,428**  
Tonnes

carbon emission avoided by energy conservation initiatives (2008-2021)

**9%**

reduction in energy consumption

**57%**

of wastewater recycled in FY21



### Better Business

**42%**

increase in recycled or eco-friendly materials use since FY16

**29.6%**

revenue from Green Portfolio

**2.1**  
GW

of utility-scale solar plants commissioned



### Better Communities

**3.2**  
million

manhours - safety training

**1.2**  
million

beneficiaries in health, education, water & sanitation and skill-building In FY21

**23**  
States

across India provided with physical and digital infrastructure support to combat Covid-19 pandemic.



Large scale solar-cum-storage project in the Andaman Islands

## Accolades

- L&T was conferred the prestigious HR Excellence Award by The Economic Times' HRWorld.
- L&T's Integrated Report has been declared a winner in the Best Integrated Report category by the Social and Business Enterprise Responsible Awards (SABERA), supported by Grant Thornton Bharat.
- L&T was conferred the prestigious CSR Shining Star Award in the 'Skills' category by Wockhardt Foundation.
- Won over ~100 awards in safety, quality excellence and other areas



Smart classroom fosters learning - A CSR initiative



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