Creating Hallmark Structures
Largest and Most Respected Company

Larsen & Toubro (L&T) is India’s largest technology, engineering, manufacturing and construction organization with a track record of over seven decades. L&T is also one of India’s best managed and most respected companies on various attributes of customer delight and shareholder values.

L&T’s Construction arm - L&T Construction - is the largest construction organization in the country and finds its unique position (29th rank as per ENR, USA – August 2011) among the world’s 225 top contractors.

L&T’s Buildings & Factories Independent Company (B&F IC), one among the four newly reorganized independent companies is equipped with the domain knowledge, requisite expertise and wide-ranging experience to undertake Engineering, Procurement and Construction (EPC) of all types of building and factory structures through its dedicated Business Units (BU).

**Airports:** The Business Unit undertakes end to end responsibilities in design and turnkey construction of major airports including all associated airport facilities.

**IT and Institutional Space:** The BU provides concept to commissioning solutions for IT Parks, office space including high rise towers and green buildings. It also undertakes design and construction of educational institutions, metro stations, sports stadiums, exhibition / convention centers and other public buildings.

**Health & Leisure:** The BU undertakes design and construction of hospitals including procurement, installation and commissioning of medical equipment. In the Leisure segment, L&T undertakes turnkey construction of international class hotels, entertainment centers, serviced apartments, commercial malls and mixed use developments.

**Residential Buildings:** L&T’s expertise in residential buildings cover design and construction of large townships and high rise apartments through two business units - Elite Housing and Affordable & Mass Housing.

**Factories:** L&T offers turnkey design and construction services for factories under two segments - Cement and Heavy & Light Engineering Plants.
1. Parliament Library building, New Delhi
2. Serene County – a residential township in Hyderabad
3. Illuminated view of Dalmia Cement in Tamil Nadu
4. Asia’s largest automated dairy Plant at Gandhinagar, Gujarat
5. Cyber Towers – Phase I of HITEC City in Hyderabad
6. Grand Hyatt Hotel, Mumbai
7. Sri Sathya Sai Institute of Higher Medical Sciences at Whitefield near Bangalore
Airports are a city’s gateway to the future. They are the urban icons that reflect the growth aspirations of the city they are located in. L&T is driving the airport revolution in India and is also rapidly creating a name for itself overseas. L&T’s track record in airport projects reads like a flight itinerary – Abu Dhabi, Bengaluru, Kozhikode, Hyderabad, Delhi, Mumbai and Salalah in Oman. As economies expand and metropolises seek a new destiny for themselves, they leverage on L&T’s expertise in offering integrated airport systems solution under a single roof, world-wide network for engineering, international supply chain management and top-class project management skills.

1. Artist’s impression of Salalah International Airport in Oman
2. Bird’s eye view of Delhi International Airport
3. Illuminated view of Bengaluru International Airport
4. Perspective view of Mumbai International Airport
5. Asia’s longest (4430m) runway at Delhi International Airport
6. Perspective view of Phase II Bengaluru International Airport
7. Hyderabad International Airport
8. Inside view of Hyderabad airport showing temple-leaf pattern roof
The bricks come even before the clicks. L&T was the first to greet the digital dawn in India and developed unique infrastructure capabilities to meet the needs of the IT companies. L&T has designed and built world-class IT infrastructure – software development blocks, IT and Software Parks, Techno Parks, Business Parks and built-to-suit IT offices – all over the country and abroad and offers complete turnkey solutions with single source responsibility.

In addition to the construction of RCC framework, L&T has extensive experience in executing finishing works, interior décor and electromechanical services. A score of landmark commercial complexes built by L&T stand as urban showpieces in the heart of most metropolises, serving various clients in diverse fields of operation. L&T provides customized solutions to business and office spaces with its built-to-suit space solutions.
1. WIPRO, Bangalore
2. India’s first tech park - International Tech Park at Bangalore
3. Massive campus of TCS, Chennai
4. Perspective view of Cognizant’s campus in Chennai
5. Software Development Blocks of Infosys in Chennai
6. Row of IT built-to-suit offices in Hyderabad
7. Office campus of Deloitte and Motorola in Hyderabad
8. Perspective view of Cognizant’s campus in Pune
The Green Enabler for the Future

L&T has the capability and commitment, the expertise and experience to design and construct green buildings. L&T’s teams of expert architects, consultants and engineers are engaged in the design and delivery of green buildings. To deliver durability and long term benefits, L&T incorporates efficient energy, environment, water management and safety systems through combined expertise of different engineering disciplines and the right mix of technology.
1. Cyber Park at Electronics City, Bangalore
2. ‘Tejomaya’ - state-of-the-art IT Park in Kakkanad, Kochi
3. Delhi IT Park of DMRC at Shastri Nagar, New Delhi
4. L&T Infotech, Mumbai
5. Perspective view of Gift City, Ahmedabad
7. Night view of L&T Knowledge Centre, Vadodara
8. Corporate Office of IL&FS (left) and ICICI (right) at Mumbai
1. Perspective view of MIOT International, Chennai
2. Super Speciality Block at JIPMER, Puducherry
3. Apollo Hospital at Gandhi Nagar, Gujarat
4. Sri Sathya Sai Institute of Higher Medical Sciences at Puttaparthi, Andhra Pradesh
5. Fully equipped Operation Theatre
6. G.K. General Hospital at Bhuj, Gujarat
7. Ida S. Scudder Centenary Center for Women & Children, Christian Medical College & Hospital at Vellore, Tamil Nadu
Having built many projects across India for industry leaders, L&T continues to provide integrated design, engineering, procurement, construction and project management services for the healthcare sector. From super speciality hospitals, medical colleges, nursing colleges to infrastructure and residential facilities, L&T offers EPC solutions across a wide spectrum of businesses.

L&T’s concept of single window solution on EPC basis provides a hassle free environment where a fully commissioned hospital with end-to-end healthcare facilities is delivered to the client just as a builder offers a fully furnished apartment for possession.
Recreation for body, mind and soul

The effectiveness of any entertainment area, be it hotels, malls, theatres, service apartments or other multi-utility places, partly lies in the nature of its design. L&T understands this concept well and has created a variety of landmark structures in this sector right from concept, design, turnkey construction to commissioning of hi-tech building management systems.
1. RMZ Galleria, Bangalore
2. ITC Grand Maratha, Mumbai
3. Forum Mall, Bangalore
4. HYATT - ELANTE, Chandigarh
5. Sahara Star, Mumbai
6. Le Royal Meridien, Mumbai
7. Oberoi Hotel, Mumbai
8. Business class hotel in HITEX, Hyderabad
Moulding future citizens

Many educational institutions around the country carry L&T’s distinctive imprint of construction excellence. From elite management institutes to village schools, from medical colleges to primary schools, L&T has built them all. And all of them have benefited from the speed, sophistication and quality of L&T Construction.
1. Hostel blocks of Indian Institute of Information Technology and Management, Gwalior
2. National Institute of Port Management near Chennai
3. Cafeteria and Hostel block of IIT at Powai, Mumbai
4. Hostel block for National Judicial Academy at Bhopal
5. Indian School of Business, Hyderabad.
6. Academy building for Sikkim Manipal Institute
7. Science Block for Vellore Institute of Technology near Chennai
8. Artist’s impression of O.P. Jindal Global Law School at Sonipat, Haryana
9. Artist’s impression of NISER, Bhubaneshwar
Creating Monumental Landmarks

L&T Construction has extensive experience in the design and turnkey construction of public buildings including auditoriums, sports stadiums, metro stations, exhibition centres, convention halls and religious structures.
1. SAFAL Market, Bangalore.
2. Artist’s impression of Mahatma Mandir, Gujarat
3. Jawaharlal Nehru Stadium, Chennai
4. Sree Kanteerava Stadium, Bangalore
5. One of the Delhi Metro station buildings
6. Perspective view of one of the Hyderabad Metro stations
7. Chaitanya Jyothi – a commemorative building in Puttaparthi
8. HITEX Exhibition Centre, Hyderabad
1. One of the stadiums built for National Games at Guwahati
2. Chandni Chowk Railway Station for Delhi Metro
3. Wankhede Stadium, Mumbai
4. Baha’i House of Worship, New Delhi
5. Indoor Stadium in Puttaparthi
6. Khalsa Heritage Center, Punjab
7. Auditorium in Parliament Library building, New Delhi
8. Auditorium in Hyderabad
Improving quality of life through provision of modern amenities and infrastructural facilities calls for sensitivity to specific human needs combined with the efficient use of space. L&T offers turnkey design and construction of large townships and high-rise apartments with expertise in all round infrastructure and modern amenities thereby meeting the varied customer needs.

With its unique strength in economically viable design solutions and construction methodology, L&T undertakes construction of high-rise apartment projects using advanced production techniques like heated tunnel forms, large area wall panel forms and aluminium formwork. Such high-speed technologies help in the construction of reinforced walls and floor slabs on a continuous single pour thereby reducing time and cost.
1. Ireo Victory Valley, Gurgaon - Tallest Residential Tower in NCR
2. Bengal NRI Housing, Kolkata
3. Eden Park – an integrated township with ‘Villa Apartment’ concept being developed at Siruseri, Chennai
4. ‘South City’ – a self contained residential township at Bangalore
5. CIDCO housing complex at Kharghar, Navi Mumbai
6. Three 35-storeyed towers for Oberoi Woods at Goregaon, Mumbai
7. Mass housing for Lucknow Development Authority
Sturdy industrial structures reflect a robust economy. Every industry relies on the strength of its structural construction for growth. An active involvement with industries in setting up structures and expertise in advanced techniques has enabled L&T Construction make significant contribution to several industrial sectors.

L&T Construction offers design and construction services for various industrial structures using structural steel, reinforced concrete, precast and pre-stressed concrete with single source responsibility – from concept, architectural and structural design, supply, installation and commissioning of equipment including installation of electro-mechanical services and building management systems.

- Automobile factories
- Power equipment and heavy forging manufacturing units
- Sugar plants and distillery units
- Pharmaceutical plants
- Pulp and paper plants
- Industrial Parks
- Glass Plants
- Dairy and food processing units
- Textile mills and weaving sheds
- Large-span storage silos, godowns, product warehouses and logistic parks
- FMCG manufacturing factories
- Factory buildings and workshop complexes
- Clustered factory sheds
1. National Dairy Development Board's unit at Gandhinagar, Gujarat
2. Kirloskar Toyota Automobile factory, Bangalore
3. Industrial units for Hero Cycles, Ludhiana
4. Asahi Glass factory at Roorkee
5. Nagaland Pulp & Paper Plant
6. Hyundai, Chennai
7. Honda's Automobile factory at Greater Noida
9. Ford, Chennai
Cement is the primary ingredient of modern construction. The cement plant, therefore, is a critical link in the chain that leads to infrastructural development. L&T Construction’s experience and expertise in cement plant construction dates back to the 1940s and today it holds an impeccable record in turnkey construction of major cement plants, meeting the complete requirements of its clients to world-class standards with speed, economy and safety.

L&T Construction has extensive experience in the construction of large, integrated cement plants. This includes limestone crusher houses with large and dynamic loads, raw meal hoppers, homogenization silos and kiln piers, preheater towers, clinker storage and cement mills, large-span structures for limestone, coal, gypsum and clinker – both in steel and RCC/prestressed concrete, including complete electrical and instrumentation works.

1. Dalmia Cements, Tamil Nadu
2. Aerial view of Cement Plant at Tadipatri
3. KCP Cements, Vijayawada
4. Silos and conveyor at Tadipatri Cement Plant
5. Lafarge Cement Plant, Bangladesh
6. Hirmi Cement Plant
7. Binani Cement, Udaipur
L&T is second to none in creating landmark urban infrastructure. A score of structures executed worldwide in key markets amplifies its proven ability and core competency. Projects executed include hi-rise commercial and residential buildings, IT parks, hospitals, hotels, stadia and airport infrastructure.

Through the Airport Terminal, the Gateway to Abu Dhabi, L&T has established its reputation as a major construction organization which is truly world-class in reach, resource, scale and speed. Executing complex projects of large magnitude, L&T’s ever expanding horizon meets one challenge after other.
1. Abu Dhabi International Airport
2. Hamad Medical City at Doha, Qatar
3. Bhukara Hotel, Uzbekistan
4. Raysut Cement Plant, Oman
5. Kensington Oval Stadium at Barbados, West Indies
6. Cyber Tower at Ebene Cybercity, Mauritius
7. Residential Township at Zernograd, Russia
8. AL Jazeera Tower, Qatar
9. Twin towers at ‘Marinascape’ in Dubai Marina
10. G100 Hospital at Khafji, Saudi Arabia
11. Stadium for Al Ittihad Sports Club, Qatar
Answering the challenges of the future

Engineering design provides vital inputs in meeting the new challenges of construction. Design solutions could take the form of path-breaking techniques that extend and enhance existing construction capabilities or help the engineer overcome other operational constraints.

L&T Construction has the largest and best equipped in-house design department in the Indian construction industry.

Engineering Design and Research Centre (EDRC) of L&T offers comprehensive engineering, design and consultancy services from concept to commissioning for building and factory projects covering architecture, civil, mechanical, electrical, instrumentation and public health engineering. The ability to provide alternative solutions for complex projects entailing comprehensive engineering services has made EDRC one of the most reliable consultancy organisations in the country.

1. Cyber Gateway, Phase II of HITEC City, Hyderabad
2. Software Development Blocks for Cognizant, Chennai
3. Engineering Design & Research Centre of L&T in Chennai
4. Delhi International Airport
5. Swami Vivekananda International Convention Centre, Mauritius
6. Gem & Jewellery Park, Kolkata
7. L&T’s Electrical & Electronics manufacturing facility factory in Coimbatore
8. BIM developed by EDRC
Construction Enabling Services Cell (CESC) complements the operation of buildings and factories projects by providing a variety of construction enabling services, which serve as solutions or processes for critical and complex construction works. CESC aims at better utilization of resources by way of systemizing, automating and mechanizing some of the labour intensive site activities, resulting in higher productivity and speedy completion.

Structure Competency Cell focuses on adaptation, implementation and training in foundation engineering, formwork, rebar, cement concrete and prestressed technologies. To improve efficiency and speed of operations, L&T has established Steel Service Centres in Hyderabad, Chennai, Mumbai and Delhi to supply ‘cut and bent’ reinforcement to projects.

Civil Utilities & Finishes Competency Centre extends its support in strengthening the core technical expertise in the execution of finishing works. L&T’s modern and well-equipped formwork factories provide “Total Formwork Solutions” for all types of reinforced concrete structures for varied applications. It ensures speedy construction with high levels of accuracy and superlative concrete finishes with enhanced productivity in tandem.
1. Exterior view of the Alu-Form Shop at Puducherry
2. Advanced Alu-Form Shop facility of L&T in Puducherry
3. L&T’s Steel Service Centre near Chennai
4. Shop floor equipped to manufacture lightweight Aluminium Formwork panels
5. Finishing works for Terminal 3 at Indira Gandhi International Airport, New Delhi
6. Interior design and execution for Cognizant’s IT Campus in Chennai
7. Inside view of Mobile Formwork Storage Accessories
8. Construction methods for constructing L&T Infotech’s Technology Center-III in Chennai

The Construction Methods and Planning Center (CMPC) offers specialized solutions for structural design and construction techniques.

L&T is also planning to set-up Precast Concrete Centres across major cities to provide cost effective solutions for affordable construction and meet the demanding and challenging construction schedules.
Efficient Project Management

L&T’s Project Management Teams have repeatedly demonstrated their ability by delivering complex projects ahead of time even under critical conditions and stringent timelines. From the innumerable projects handled, L&T has developed a core team of Project Managers and dedicated sub-contractors. These hardcore professionals thoroughly understand every facet of the activity from design and construction to commissioning and have established a foolproof construction methodology for speedy construction.

1. Mumbai International Airport
2. Sophisticated plant and machinery; experienced project managers and dedicated subcontractors form part of L&T’s Project Management Team
3. Delhi International Airport – a success story of top class project management skills by leveraging world-wide network for engineering and international supply chain management
Delivering with Quality and Safety

Quality is the key component which propels performance and defines leadership traits. At L&T Construction, Quality Standards have been internalised and documented in Quality Assurance manuals. L&T Construction recognizes the crucial significance of the human element in ensuring quality. Structured training programmes ensure that every L&T employee is conscious of his/her role and responsibility in extending L&T Construction’s tradition of leadership through quality.

A commitment to safety springs from a concern for the individual worker – every one of the thousands braving the rigours of construction at numerous project sites. At L&T Construction, safety management is viewed and managed in the same way as other operational functions. Risk factors have been analysed and counter-measures developed to ensure that safety standards are integral to operational procedures. Several national and international awards testify the safety standards established by L&T Construction.
The challenge and complexity of modern construction emphasizes the need for a high level of sophistication in facilities and resources.

L&T Construction has been attracting, holding and moulding the finest engineering talent in India and abroad. People are our most valued asset - our core strength. L&T also has India’s largest fleet of construction equipment. It comprises a wide range of sophisticated and specialized equipment for achieving speed, quality and cost-effective construction.

As part of its R&D efforts, L&T constantly upgrades its knowledge and expertise in construction technology and complements the operations. In addition, it has full-fledged laboratories for concrete and soil testing including asphalt technology at its campus in Chennai. L&T’s laboratory is NABL (National Accreditation Board for Testing and Calibration Laboratories) certified for mechanical and chemical testing of construction materials. L&T is the first construction company to get an accreditation of this kind.
L&T Construction promotes construction vocational training in India in a professional manner through its Construction Skills Training Institute (CSTI). Spread across India, CSTI turns out significant numbers of trained workmen.

Basic training is imparted in twelve trades:
- Formwork Carpentry
- Bar Bending and Steel Fixing
- Masonry (brick and block work)
- Plumbing and Sanitary
- Electrical
- Scaffolding
- General Assistants
- Welding (Pipe Welding)
- Welding (Structural Welding)
- Prestressing
- Transmission Line Tower Erection
- Railway Electrification

CSTI has permanent infrastructure and facilities for practical and classroom training at all its units in Chennai, Panvel (near Mumbai), Ahmedabad, Bengaluru, Hyderabad, Delhi and Kolkata.