L&T Technology Services

Purposeful.
Agile.
Innovation.

Corporate Brochure

LTTS in a Snapshot

L&T Technology Services (LTTS) is a global leader in Engineering Intelligence Solutions & ER&D Consulting Services. A listed subsidiary of Larsen & Toubro (L&T), we offer design, development, testing, and sustenance services across products and processes.

Purposeful. Agile. Innovation. is how we drive growth across the Mobility, Sustainability and Tech segments. Our customer base includes 69 Fortune 500 companies and 57 top ER&D companies across industrial products, medical devices, transportation, telecom & hi-tech, and process industries.

195+#
Global Clients
 # with revenue over $1M

24,000+
Employees

1,800+
Patents

57
Of Global 100 R&D Spenders as Clients

110+
R&D Innovation Labs

21
Global Design Centers

270+
Accelerators & Solutions

25+
Countries

**Data as of Q2 FY27*

Top 3 Global Pure-play

AI, Digital and ER&D Consulting Services Company

Vision

Engineering a sustainable tomorrow through technology and innovation

Mission

Be the engineering partner of choice by enabling innovation with world-class technologies, processes, and people – delivering inclusive growth for all stakeholders

Values

- Being Purposeful
- Ethics & Integrity
- Caring
- A Culture of Learning
- Results with Accountability

Innovation at LTTS

At LTTS Everyone of us is an **Engineer at Heart** ♥

And that is not a title; but a mindset and methodology.

- Passion for Engineering
- Curious about Everything
- Fearlessly Creative
- Collaborative
- Frugal Mindset

Creating The Building Blocks of Future

1800+
Patents Filed*

250+
Patents in AI*

With decades of engineering excellence, global R&D centers, and a diverse ecosystem of talent and technology, LTTS has built a thriving culture where every engineer at heart is empowered to ideate, experiment, and innovate.

**Data as of Q2 FY27*

LTTS' AI Strategy and Key Solutions Landscape

Agentic AI Studio
AI agents and agentic workflow platform and marketplace

GenIQ
Rapid GenAI development platform with LLC orchestration

PLxAI
GenAI assistants for PDLC

AICH + CE
GenAI-enabled solution for complaints handling and clinical evaluation support

AiKno®
AI-enabled development framework for data acquisition and management

AiVIZ
AI-enabled visual analytics solution

AiTest + RevAi
GenAI-enabled code review and test solution

Ainfonix
AI-enabled P&ID solution

SpecNova
GenAI-enabled BOM recommendation and management tool

Our culture connect our people, our customers, and our purpose - enabling breakthroughs that power industries, improve lives, and create sustainable futures.

- **People-Powered**
- **Structured Platforms**
- **Customer-Centric**
- **Proven Impact**

Co-Creating What's Next with Breakthrough Innovation Programs & Platforms

REVERIES, FESTIVAL OF DREAMS
An employee-led innovation journey that turns bold ideas into impactful solutions.

OpenHack *Anyone can Hack!*
A collaborative hackathon that fast-tracks ideas into prototypes through 24-hour innovation marathons.

TECHgium® *Engineering Innovators for Tomorrow*
India's largest open innovation platform linking students, academia, and industry to deliver breakthrough engineering solutions.

Equinox by LTTS
A customer-focused platform that transforms ideas into prototypes with clear business value.

How are We Engineering The Change?

Purposeful.
Agile.
Innovation.

At the heart of our vision is Purposeful action, dedicated to building a sustainable tomorrow and a better world, leveraging technology to drive inclusive growth for everyone involved.

We are Agile in our ability to learn, evolve, and adapt to changing technologies and market dynamics, all while harnessing the imagination of our engineers.

Innovation remains at the core of our endeavors from investing in future tech to creating world-class solutions. It's ingrained in everything we do across products, processes, and operations, setting us apart and making LTTS the choice for clients seeking transformative change.

It's how we are Engineering The Change every day.

Our Services & Solution Capabilities

Engineered for ROI. Designed for Scale.

Software

- Cloud Engineering & DevOps
- Platform Engineering
- Data & Analytics
- Immersive Experiences AR/VR/XR
- Sustenance & Maintenance
- User Experience
- Voice Innovations
- Testing, Verification & Validation

Products

- Software and Systems Engineering
- VLSI Design & Embedded Engineering
- Mechanical Design & Simulation
- Testing & Validation
- Connected Products and IoT

Plant

- Smart & Sustainable Manufacturing
- Plant Modernization and Automation
- Operational Excellence
- Plant Reliability, Maintainability, and Asset Monitoring
- Material & Parts Management
- Regulatory Compliance Engineering

Operations

- Supply Chain Management
- Warehouse Optimization
- Plant Overall Equipment Effectiveness (OEE)
- Quality Engineering and Lean Six Sigma
- Low Cost Factory Design
- Technical Publication Services

Manufacturing

- Supply Chain Engineering
- Manufacturing, Planning and Execution
- Product Lifecycle Management (PLM)
- Value Analysis and Value Engineering (VAVE)
- Industry X.0, Factory Automation and IIoT

Agentic AI | GenAI | Cloud & Cybersecurity | Digital Twin | Physical AI | Software Defined Everything (SDx)

Who Do We Serve?

Fueling Progress, Across Every Industry.

Mobility

- Software-Defined Mobility
- Electrification & Hybrid Tech
- Vehicle Engineering

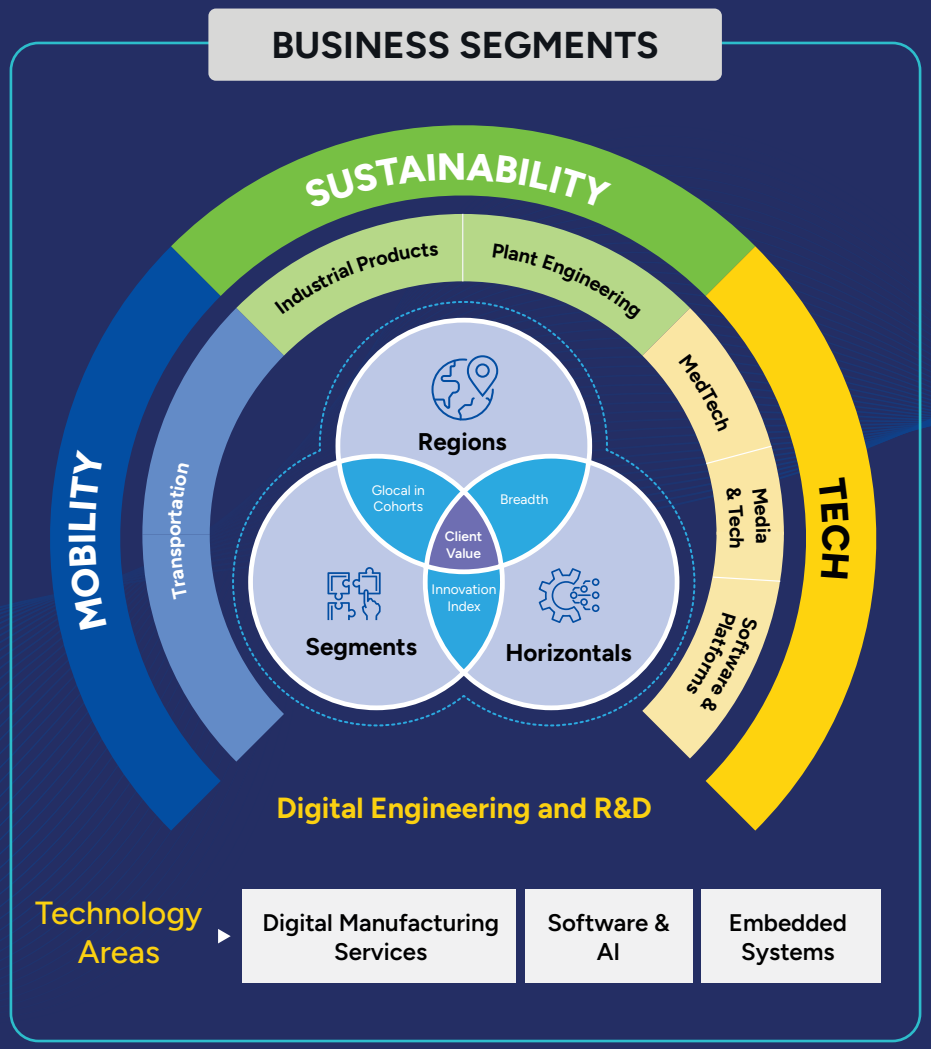
Sustainability

- Projects Engineering: Green & Brownfield
- Plant Modernization & Automation
- Digital Technology
- Sustainable Manufacturing
- Product Engineering
- Energy Transition
- Manufacturing Modernization
- Alt+Shift to Platform Solutions

Tech

- Silicon Engineering
- Device Engineering
- Platform Engineering
- System Integration
- Digital Manufacturing
- Digital Health

Top 3 Global Pure-play AI, Digital and ER&D Consulting Services Company



Our Differentiators

Innovation with Intent.

Cross-Pollination

Our multi-domain & multi-vertical expertise enables us to take best practices from adjacent industries and adapt them to your business.

Solutions & Accelerators

Ready-to-use solutions & accelerators for product design, analytics, cybersecurity, AI, test automation, and smart workplaces.

Digital Engineering

- NexGen Comms
- AI and Analytics
- DevSecOps
- Cybersecurity
- Digital Twin
- Cloud Engineering

Infrastructure

110+ Innovation Labs for product design, engineering, tear-down, compliance, power electronics & digital.

Our Proven Platforms & Solutions

Empowering Businesses to Thrive with Industry-Leading Technology.

PLxAI

Speeds up product development through smart prompting and contextual intelligence.

GenBI

Turns data into natural-language insights, empowering faster decision-making.

embedAI

Automates design and validation workflows, cutting development cycles by up to 25%.

AnnotAI

AI-based, cloud-agnostic, end-to-end automatic data annotation platform.

AiCE

Integrated AI tool that revolutionizes the Clinical Evaluation Report (CER) process.

AiKno®

AI to automate meta data extraction.

AICR

AI-driven code review that improves accuracy and reduces rework.

AiTest

Automates testing with LLMs and self-healing scripts for faster time-to-market.

CHEST-rAi™

AI-based chest X-ray radiology suite for symptom detection, localization, and intelligence reporting.

Energy and Sustainability Manager

Holistic energy management solution that introduces proactive auditing into your energy and sustainability strategy.

EvQUAL

Test automation suite for multiplatform and multi-device automation to power next-gen quality engineering.

Asset Reliability Center (ARC)

A portfolio of five solutions and one advisory service to help asset-intensive manufacturers drive reliable operations.

Asset Health Framework

A near-time, cloud-native-based platform that gathers, analyzes, diagnoses, and acts on key asset health parameters leveraging the power of AI.

Partner Ecosystem that Drives Excellence

Built on Synergy, Backed by Giants.

Google Cloud
DASSAULT SYSTEMES
Ansys
Microsoft
AVEVA
SIEMENS
NVIDIA
aws

Data & AI Partnerships

ANTHROP\C
databricks
aws
SymphonyAI
snowflake
Microsoft
spector.ai
Google
Covasant
AI-Driven. Human-Inspired.
SiMa.ai
AUTOMATION ANYWHERE
AIBLE

R&D Partnerships

BROADCOM
vmware
MathWorks
RDK
ONF
THE LINUX FOUNDATION
ERDA
infor

Technology & Solutions

splunk>
intel
skywise.
ALTAIR
ptc
CAREAR
A Xerox Company
ORACLE
SRT
TELE2
freescale semiconductor
CISCO
Texas Instruments Design Network

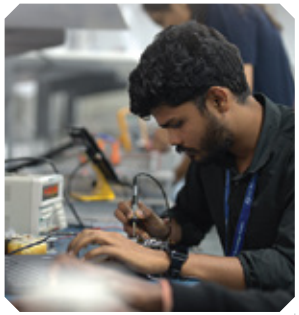
R&D Labs-as-a-Service

Where the Magic Happens.

110+ Innovation Labs

Supporting Focused Investment Areas

- Technology Labs
- Industry-specific Labs
- Compliance Testing Labs
- Design Studio



Electric Vehicle Lab

Features cutting-edge equipment for testing EV components up to 1200V and 1000A, capable of adhering to a range of standards

FactoryNext ™ Lab

Enables solutions that empower global OEMs to accelerate next-gen product development and drive solution deployment

HW and HIL Labs

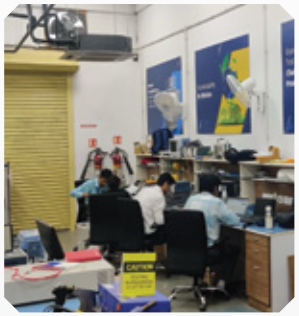
Offers capabilities to build embedded prototypes with board-level and unit level testing

1DIGITALPLACE

Leverages next-gen manufacturing technologies to enable customers redefine their product journeys, from concept development through launch

5G Lab

Focuses on 5G development, NFV benchmarking, validation, and design services



Power Lab

Drives power electronics and hardware design testing and verification

Milestones in Our Story

Setting the Bar in Innovation.

Collins Aerospace

Recognized by **Collins Aerospace** as top Supplier of the Year

CATERPILLAR

Awarded the **2024 Caterpillar Supplier Excellence Award**, honouring LTTS' commitment to delivering high-quality products and services

GlobalRail Transport Infrastructure Exhibition & Conference

Recognized by Etihad Rail at the **Global Rail Innovation Awards** for its Innovative Way to Detect Visible Rail Defects in Real-Time

BIG INNOVATION 2025

Awarded the **2025 BIG Innovation Award in Transportation** for AnnotAI by the US-based Business Intelligence Group

CII

Recognized by CII as one of the **Top 25 Companies Excelling in Women in STEM**, 2024

GOLDEN PEACOCK AWARDS

Conferred with the **Golden Peacock Innovation Management Award 2024**, recognizing LTTS's leadership in cutting-edge innovation initiatives for global businesses

ptc

Honoured with the **Sustainable Diversity Leader Award** by Girls at Tech Nordics

Recognized at the **Nasscom AI Gamechangers Awards 2023-2024** in the Manufacturing Category

Recognized as a 'Challenger' at the NASSCOM AI Gamechangers Awards

Inducted into **John Deere Supplier Hall of Fame** for Five Years of Excellence

ET NOW BEST ORGANISATIONS FOR WOMEN 2025

Awarded as the **Best Workplace for Women 2025** by ET Now

Recognized as a **Great Place to Work™** in the **United States** for the second time in a row and in **Japan** for the first time ever

Great Place To Work® Certified APR 2025-APR 2026 USA

Great Place To Work® Certified APR 2025-APR 2026 JAPAN

DIGITAL ENGINEERING AWARDS

In association with

ISG | L&T Technology Services

Media Partner

CNBC TV18

Engineers have always kept the momentum going when it comes to changing the world for the better. However, we believe a simple thank you is not enough to celebrate such feats. The Digital Engineering Awards, in association with ISG, L&T Technology Services, and CNBC TV 18, is a continuous attempt to celebrate the remarkable tech leaders and engineers who make the change happen.

What does it really mean for the participants?

- A Global Network of Innovation
- Recognition and Visibility
- Noteworthy Edge & Award Categories
- Focus Group Review

The 12 categories at a glance

Engineering The Change
Team Awards

- Digital Transformation of the Year
- Top Sustainability Initiative
- Digital Engineering Project/Program of the Year
- Engineering Product of the Year
- Excellence in Value Realization
- AI Impact of the Year
- Physical AI Impact of the Year

Engineer At Heart
Individual Awards

- The Distinguished Digital Engineering Leader
- The Digital Engineer of the Year
- The Woman Engineer of the Year
- The Innovator of the Year
- AI Trailblazer of the Year

For more information

www.DigitalEngineeringAwards.com

Recognized by the Best in the Industry

Benchmarking Excellence, Creating Impact.

ISG Provider Lens™

Leaders in Manufacturing Industry Services and Solutions – Digital Factory and Agile Product Development and Design Services

Leaders in Digital Engineering Services – US

Our Strength:

- Domain expertise
- Use of AR & VR and AI & ML in product design
- Strategic transformation in end-to-end design for clients

Journey towards inclusive leadership

LTTS engages with clients beyond sourcing assignments, empowering them to develop competence to the market in their respective segments.

ISG

zinnov™ ZONES ER&D SERVICES — #1 Pure-Play Global Engineering Service Provider (ESP) and Top 5 ESPs globally

Everest Group® PEAK MATRIX™ — Leaders in the Connected Product Engineering Services PEAK Matrix® Assessment 2024 – Embedded Engineering

AVASANT — Leaders in Manufacturing Smart Industry Services 2023

NelsonHall — Only Pure Play engineering services rated as Leaders in IoT Services

People. Planet. Purpose.

Real Progress is When, Everyone Moves Forward.

Healthcare

Education-related interventions preventing the learning crisis from turning into a generational catastrophe

- **5,438** benefitted from the continuous strategic initiatives for learning
- **1,571** rural students benefited from our digital classroom project

Education

Environment and Water

Revitalizing parched lands through watershed management

- **40,000** saplings planted through carbon-sequestering afforestation initiative
- **5,595** benefitted from water conservation projects
- **200 acre** forest land restored

Alzheimer's Research Support Walk

Toy Donation Drive

Strategic Segment: Mobility

176 Clients

8000+ Engineers

25+ Labs

376 Patents

20+ Accelerators & Frameworks

15+ Chip-to-Cloud Alliance Partners

Industry Verticals

- Automotive
- Trucks & Off-Highway
- Aerospace & Rail

Strategic Focus Areas

- AI & Software Defined Mobility
- Electrification & Hybrid Tech
- Vehicle Engineering

LTTS' USP

Client relations: Decades of engagements and market leadership

EV / Hybrid Vehicles

- End-to-end vehicle electrification engineering capabilities
- Homegrown BMS, Converter, Inverter & Charger Electronics
- NABL Accredited eMobility lab for performance, endurance, and functional testing for critical EV components.

Software Defined Vehicles

- 15+ Inhouse accelerators which advances development lifecycle
- Homegrown Autonomous ROS2.0 Middleware with unified sensor management framework

Vehicle Engineering / Digital Services

- AI Solutions & Accelerators CySAF

Everest Group

Rated 'Leader' in ACES Automotive Engineering Services in the Overall ranking, for Autonomous, Electric and Product Engineering, 2023

ISG

Recognized as Leader in Automotive and Mobility Services and Solutions for software defined vehicles, electrification & vehicle electrification

US-Based New-Age OEM

Delivered 6+ vehicle programs from 2019 to 2024. Responsible for Interiors, exteriors, and electrical components with agile team working on multiple projects: styling, vehicle architecture, and occupant packaging.

Mobile Assets Management for a Construction Major

Digitized and monitored 35,000 fixed and moving assets at construction sites spread across 300+ locations across India to optimize usage and increase productivity.

Strategic Segment: Sustainability

243 Clients

6/10 G-ER&D 100

30+ Labs

730 Patents

Industry Verticals

Industrial Products			Plant Engineering		
Industrial Machinery	Building Technology	Electrical, Power & Control	FMCG	Oil & Gas	Chemicals

Strategic Focus Areas

Process		Industrial	
Projects Engineering - Green & Brownfield	Digital Tech & AI	Product Engineering	Energy Transition
Modernization & Sustainable Manufacturing		Manufacturing Modernization	Alt+Shift to Platform Solutions

LTTS' USP

- One-stop shop for engineering and digital for plants
- Reusable templates & solutions (inject automation)
- Ability to address global demand with central governance
- Trusted partner to marquee logos
- Engineering mindset – integrated client teams
- L&T heritage and economy of scale
- Technology labs
- Innovation with purpose

ISG

- Rated 'Leader' in EAM Services
- Rated 'Leader' in AI & Cloud

in Oil and Gas Industry Services and Solutions - ISG Provider Lens® 2025 in Americas

Everest Group

- Rated as Leader in Everest Group's Sustainable Engineering Services PEAK Matrix® Assessment 2025

Engagement with Global O&G Supermajor

- Multi-disciplinary plant engineering and project execution, information management, and digital services
- Sites covered across: NA, Europe, APAC

8+ Years of Engagement

Engagement with Global Home and Personal Care Major

- EPCm projects / Site-based MOC projects
- Sustainability - Wastewater Management
- LTTS presence at 40+ sites globally

15+ Years of Engagement

Strategic Segment: Tech

240 Clients

8/10 G-ER&D 100

40+ Labs

651 Patents

Industry Verticals

Media & Tech

- Semiconductors
- Media & Entertainment
- Telecom & Tech Infra

Med-Tech

- Life Sciences
- Pharma
- Healthcare

Software & Platforms

- Retail
- Fintech
- Pharma & Healthcare
- Hyperscalers

Strategic Focus Areas

Media & Tech

- Silicon Engineering
- Device Engineering
- Platform & Software Engineering
- System Integration & Roll outs

Med-Tech

- Device Engineering
- Digital Health
- QARA
- Digital Manufacturing

LTTS' USP

- Top 10 of 10 medical device companies as clients @ NPS of 9.5
- Specialized lab infrastructure
- AI-powered intelligent solutions
- Strong partner ecosystem
- Academic collaborations for R&D
- Global presence & localization
- Right talent mix

zinnov

- Rated 'Leader' in Digital Engineering and ER&D Services for Semicon, Telecom, Medical Devices, Overall ER&D Services, NA & EU Geo, 2024

ISG

- Rated 'Leader' in Medical Device Digital Services , 2025 for US – Digital Engineering and Product Development, Regulatory Compliance, Strategy and Quality Assurance, and Post-market Digital Enablement

Frugal Plant Transfer for Patient Care Products

- With 35% space utilization and 33% inventory cost reduction
- USA to Mexico transfer | Current/future state value stream mapping | Lean layout development | Inventory optimization

Leading Smartphone Manufacturer

- Across 15 countries: Support in key embedded areas, certification/ verification | Helped in developing manufacturing ecosystem in India

For Major Semcon Player

- 2+ years of engagement and 5 nm designs: Support in AI chip designs
- All chip design areas, from design to tape-out

Large Cybersecurity ISV

- Developed an industry leading OT security product (mentioned in Forrester report)
- Product engineering support for data loss prevention (DLP) and AI access tools

Pioneering AI/Gen AI across the Engineering Lifecycle

70+ Production Programs

100+ GenAI/ Agentic AI Use Cases

244 AI Patents Filed

Strategic Partnerships

NVIDIA, SiMa.ai, aws, Google, Microsoft, Dassault Systemes, AVEVA, SIEMENS

PLxAI by LTTS — AI in Product Development Lifecycle Solution

- PLxAI is a scalable, secure, and reusable GenAI use case development and deployment platform for product development lifecycle
- It allows customers to build their domain specific use cases for accelerating product development, deployment and faster ROI

AI-enabled Solutions

EmbedAI Framework	ChestRAi™	Software Defined Endoscopy	Visualization Framework
Visual-based operator safety solution	AI model for chest X-Ray analysis	AI-enabled medical diagnostic solution	Visual framework for multi-modal image analytics

GenAI

GenIQ Enterprise Fit-for-Purpose GenAI Adoption Framework

Features

- Rapid GenAI Adoption Framework
- Adaptive Model Selection
- Fusion Hub
- Intelligent Prompt Programming
- Multi-Agent Framework
- Model Garden

Agentic AI

Project Ranthambore

Agentic AI for Engineering – Build Once, Deploy Everywhere

What does the product do?

- The product offers an Agentic AI studio
- Marketplace to build, deploy, and consume semi/autonomous agents for engineering
- It integrates with PDLC and SLC to drive automation, increase productivity
- A decision support across engineering domains

Physical AI

LTTS e-AI Framework

DL Model Dependecies | DL Model Trained Weight File + Dataset

Web API for User Input

Model and Dataset Verification

Model Compression

LTTS Optimization Pipeline

Decision Tree

Accuracy | Inference Tine

Hybrid of Pruning + Quantization + Knowledge Distillation

SoTA Techniques

Pruning

Quantization

Knowledge Distillation

Model Fine - Tuning

Compressed Models and Performance Metrics

Embedded Systems

15+
No. of Customer Dedicated Labs

52
Total for BU Labs

25+
No. of Accelerators

Product Conceptualization	Design and Development	Product Launch Support
Product Maintenance	Manufacturing Support	Testing and Certification
ATE - Automated Test Equipment	End of Line Tester	Robot Based Test Automation
Machine Vision System	HIL - Hardware in Loop Test Bench	Reliability Test Bench

What We Do?

VLSI Design
- RTL Design
- Design Verification
- Synthesis
- Physical Design
- Physical Verification
- Design for Testing
- GDSII Generation for Tape Out

Hardware Design
- Single/ Multi Processor Designs
- Design Analysis
- High Speed PCB Layout
- Library Creation & Management
- VAVE
- Proto Manufacturing
- Packaging & Shipment
- Transfer of Technology

FPGA and Emulation
- FPGA Design
- FPGA Prototyping
- Reverse/Value Engineering
- Validation
- Verification
- Certification Support
- SoC Emulation Model Build & Bring Up

RF/Wireless/IoT design
- System Design
- Antenna Design & Simulation
- EMI/EMC & RF Layout Simulations
- Antenna Characterization
- RF Pre-Compliance & Compliance

Platform Software
- BSP
- Device Drivers
- OS Porting
- Middleware & Apps Board Bring Up
- Optimization & Stabilization

Verification and Validation
- Pre and Post Silicon Validation
- Hi-Speed Validation
- RF Physical Layer Validation
- Power & Performance
- Validation & Testing
- Unit & Integration Testing
- System Validation & Functional Testing
- Compliance Testing & Certification
- Test System Development & Test Automation
- Tool Qualification

Digital Products and Manufacturing Services

3,500+
Engineers

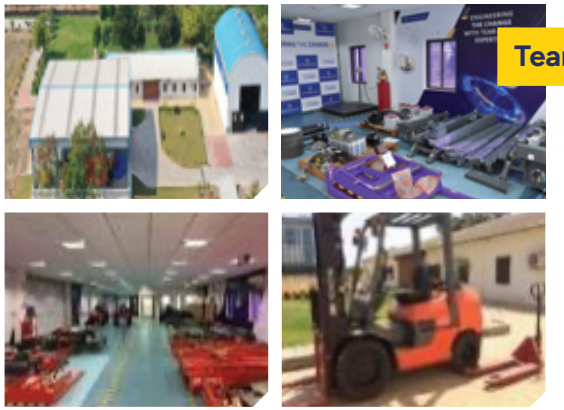
2+ Decade
Experience

9+
Dedicated Labs

Top 3 Clients
Served for Each Segment

10+
Solutions and Accelerators

- Tool Design and Robotics
- Think Studio
- Product Benchmarking and Reverse Engineering
- Testing-as-a-Service
- Virtual / Digital Validation
- Product Lifecycle Management
- Plastics and Component Design
- Manufacturing Consulting
- Sourcing and Value Management
- Integrated Content Management
- System Engineering



Tear Down Lab

Dedicated facility far complete dismantling, reverse engineering, and detailed product analysis.

ISO 9001:2015, NABL(ISO/IEC17025) accredited, 5000 sq. ft. dedicated space with testing capability (-70°C to 250 °C for tensile & flexural test).

Global Material Testing Lab

One stop solution for assessing selecting, planning & deploying IoT.

Digital Manufacturing Lab

Wiring Harness Lab

- **Production capacity:** 1000 harnesses per month
- Turnaround time of less than 24 hours
- **Lab follows the ISO 9001:** 2015 quality management system and the AS9100D aerospace standard
- Certifications from IPC / WHMA-A-620

Our Global Footprint & Nearshore R&D Centers

Peoria and Rockford, Illinois
Digital Manufacturing Center

Toronto, Canada
Engineering R&D Center

Santa Clara, California
ASIC and System Design House

Houston, Midland and Plano, Texas
Design & Delivery Center

Ohio, Dublin
Design & Delivery Center

Windsor, Connecticut
Design & Delivery Center

Jubail, Saudi Arabia
Design & Delivery Center

Gothenburg, Sweden
Digital Engineering Center

Munich and Augsburg, Germany
Design & Delivery Center

London, United Kingdom
Design & Delivery Center

Utsunomiya (Tochigi) and Tokyo, Japan
Design & Delivery Center

Krakow, Poland
Engineering R&D Center

India Locations
- Bengaluru
- Chennai
- Delhi and Faridabad
- Hyderabad
- Mumbai and Pune
- Mysuru
- Vadodara

21 Global Design Centers*

*Data as of Q2 FY27

Life at LTTS

A glimpse into the culture that inspires innovation every day.

Follow LTTS Online

Discover innovation, culture, and stories from our people and experience the spirit and energy that drive everything we do.

LinkedIn
(L&T Technology Services)

Instagram
(@lifeatltts)

YouTube
(@LTTS)

X (Twitter)
(@LnTTechservices)

Facebook
(L&T Technology Services)

L&T Technology Services

Purposeful.
Agile.
Innovation.

ENGINEERING **THE CHANGE**

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