

March 19, 2025

National Stock Exchange of India Limited
Exchange Plaza, Bandra-Kurla Complex
Bandra (East), Mumbai — 400 051.
NSE Symbol: LTTS

BSE Limited
Phiroze Jeejeebhoy Towers,
Dalal Street, Mumbai – 400001
BSE script Code: 540115

Subject: Press Release

Dear Sir/Madam,

Pursuant to Regulation 30 of the SEBI (Listing Obligations and Disclosure Requirements) Regulations, 2015, we are sending herewith a copy of the Press Release titled **“L&T Technology Services to Transform Railway Safety with AI-Powered TrackEi™”** which is self-explanatory.

This is for your information and records.

Thanking You,

Yours sincerely,

For L&T Technology Services Limited

Prasad Shanbhag
Company Secretary & Compliance Officer
(M. No. A 30254)

Press Release

L&T Technology Services to Transform Railway Safety with AI-Powered TrackEi™

TrackEi™ to revolutionize track inspections in the Mobility segment with NVIDIA Jetson™ - Powered AI for Real-Time Defect Detection

Santa Clara (CA, US), Bengaluru (India), March 19, 2025 — L&T Technology Services Limited (BSE: 540115, NSE: LTTS), a global leader in engineering and technology services, today announced the launch of **TrackEi™**, an AI-powered railway track inspection solution. Designed as part of LTTS' growing mobility portfolio, TrackEi™ leverages the [NVIDIA Jetson™](#) platform for edge AI and robotics — to deliver real-time defect detection and, support predictive maintenance, enhancing safety for rail networks worldwide.

The latest development follows a series of accolades recognizing LTTS' leadership in rail innovation, including winning the **Ethad Rail Innovation Award** for its "Innovative Way to Detect Visible Rail Defects in Real-Time." TrackEi™ will be showcased at the [NVIDIA GTC 2025 AI Conference](#), highlighting LTTS' ongoing commitment to AI-driven transformation in transportation infrastructure.

Traditionally, rail inspection involved manual processes or slow-moving trolleys, which are time consuming and sometimes fail to detect critical flaws in time to prevent derailments. TrackEi™ addresses this challenge by automating high-speed inspections at over **60 Miles Per Hour**, utilizing high-resolution cameras and laser profiling to identify issues such as **broken rails, cracks, track misalignments, and other structural defects**. By integrating deep learning algorithms powered by **NVIDIA accelerated computing**, TrackEi™ delivers immediate actionable intelligence and continuously improves detection accuracy over time.

The NVIDIA Jetson™ platform delivers high performance AI compute and sensor processing capability for autonomous machines and robotics, accelerating **deep learning inference** capabilities and enabling TrackEi™ to:

- **Process massive amounts of high-speed image data** on the fly, reducing reliance on cloud connectivity
- **Perform complex machine vision tasks** with high accuracy via stroboscopic lights, thus nullifying impact of variable lighting and weather conditions
- **Continuously learn and adapt** from real-world data, ensuring sustained performance improvement

Key Product Differentiators

1. **Real-Time Defect Detection:** AI-driven algorithms analyze video feeds and sensor data in milliseconds, enabling immediate alerts for anomalies.
2. **Predictive Maintenance:** By aggregating inspection data over time, TrackEi™ helps MoW and operators have an intelligent prediction of when and where maintenance is needed, minimizing downtime.
3. **Scalable, Edge-Based Architecture:** Built on NVIDIA Jetson™, TrackEi™ operates at the network edge, reducing latency and bandwidth requirements while ensuring high reliability.

4. **Seamless Integration:** The system can be retrofitted onto existing rolling stock/locomotive/inspection vehicles and easily integrated into standard railway management systems, enabling faster adoption and return on investment.
5. **Enhanced Safety & Sustainability:** By detecting defects early and optimizing maintenance schedules, TrackEi™ contributes to safer journeys, reduced fuel consumption, and lower emissions.

“At LTTS, we are redefining railway safety by combining AI, machine vision, and edge computing to create an intelligent, scalable inspection solution,” said **Alind Saxena, Executive Director & President - Mobility & Tech at L&T Technology Services.** *“With TrackEi™ running on the powerful NVIDIA Jetson™ platform, rail operators can detect defects with unparalleled accuracy while optimizing maintenance schedules and reducing downtime.”*

The launch of TrackEi™ builds on LTTS' deep collaboration with NVIDIA, which recently included the unveiling of a cutting-edge **AI Experience Zone** at LTTS. This ongoing partnership underscores LTTS' commitment to driving innovation across industries by leveraging advanced AI technologies.

Accelerated by the NVIDIA Jetson™ platform, LTTS' TrackEi™ solution, having gone through initial trial at our Class-I Railroad customers in different variants, is currently undergoing testing and evaluation at MxV Rail in Pueblo, CO, under the supervision of Dr. Anish Poudel, Scientist (Research & Innovation) and his research team. MxV Rail is a wholly owned subsidiary of the Association of American Railroads.

About L&T Technology Services Ltd

L&T Technology Services (LTTS) is a global leader in engineering and technology 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. Headquartered in India, we have over 23,460 employees across 22 global design centers, 30 global sales offices, and 108 innovation labs, as of December 31, 2024.

For additional information about L&T Technology Services log on <http://www.ltts.com/>

Media Contact:

Aniruddha Basu

L&T Technology Services Limited

E: Aniruddha.Basu@LTTS.com