



Works Vehicles & Machines

LPS

Go Beyond Traditional Rail Cleaning with LaserTrain

Enable longer, more flexible cleaning operations without relying on consumables. No more system downtime or route restrictions for chemical, water or sand refilling.

With growing pressure to maintain reliable adhesion while minimising disruption, many rail operators are rethinking how they approach rail cleaning during critical low-adhesion seasons.

Save up to €15 per km compared to traditional methods with LaserTrain. Designed to remove contaminants for optimal rail adhesion and reduced slip risk without added water, chemicals or abrasive materials it can:

- Remove rust, crushed leaf and black rail contamination
- Cleaning speed max: 40, 80, 100, or 120 km/h
- Clean through stations and over switches and crossings
- Improve adhesion for up to 24 hours after one treatment

The laser-based rail cleaning system can deliver 2,000km of uninterrupted cleaning per day without line closures, downtime or route restrictions.

Two models are available via lease or purchase for operation across freight, passenger and metro networks in Europe, North America and UK regions.

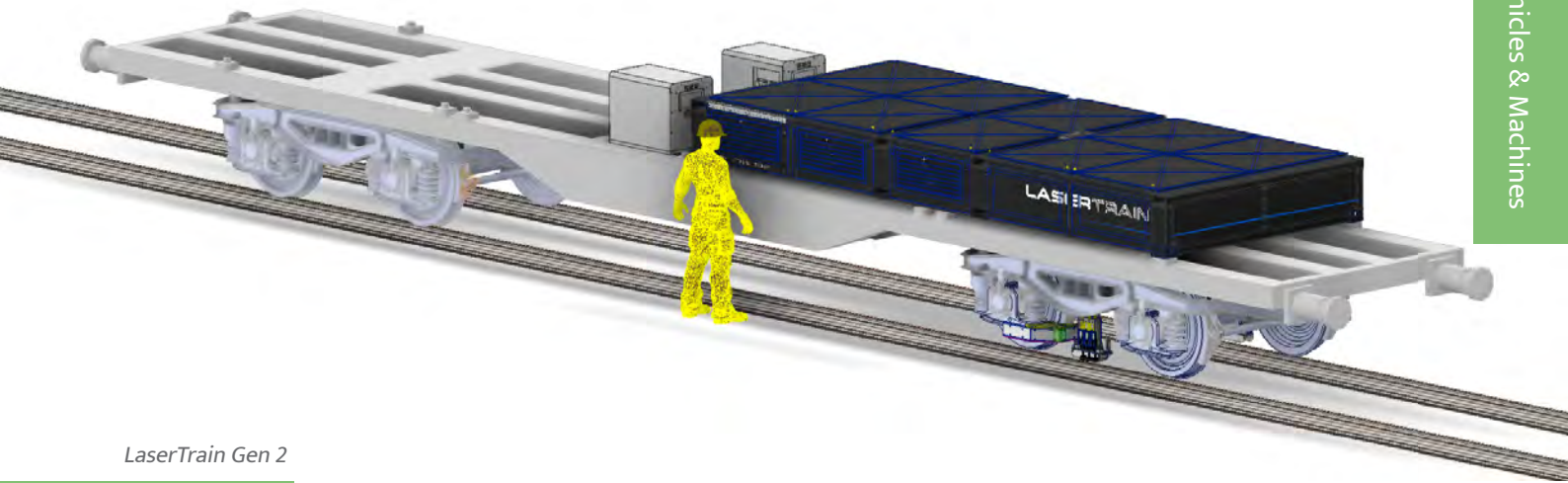
Client Performance: MTA Metro North Railroad 23-'25

Since adopting LaserTrain, the MTA Metro-North Railroad see continued improvements in On-Time Performance and fleet wheel life and have reported a 50% reduction in delay minutes and reductions of 70% in both slip-slide events and train delays.

“We more than doubled the amount of track miles cleaned from last year and cleaned more than 5 times our best year utilising water jets (Water World).”

Justin R. Vonashek, EVP & Chief Operating Officer at Metro-North Railroad. (2023)





LaserTrain Gen 2

Upgraded Compatibilities

The latest evolution, **LaserTrain Gen 2**, comes as a 20 ft quarter height containerized unit, introducing greater deployment availability through enhanced vehicle compatibility, flexible power options and bi-directional operation, making it easier to integrate and adapt to existing maintenance fleets and schedules.

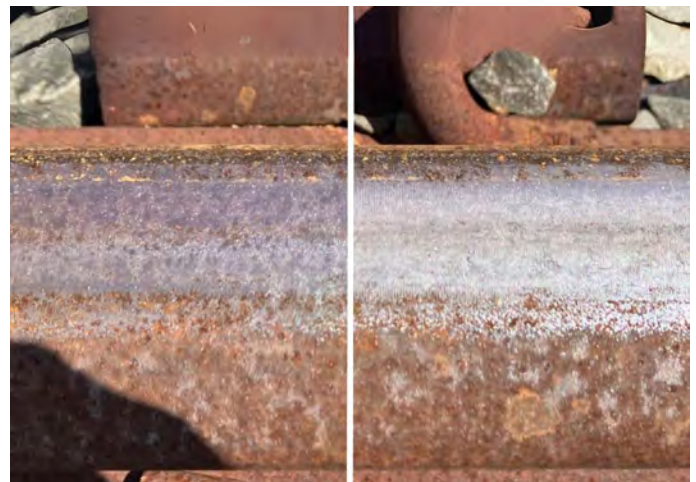
- Enhanced vehicle compatibility:
Y25 / R141, MPV, Unimog
- Flexible power options
- Bi-directional operation

It is scheduled to launch in the UK with Network Rail at the Tuxford Rail Innovation & Development Centre on November 30th, 2026.

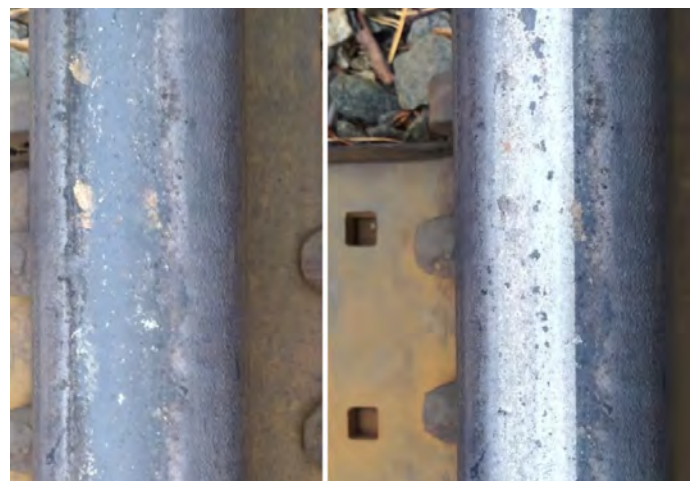
Find out how LaserTrain can help your rail operations.

- Visit LPS at Innotrans 2026 Hall 23, Stand 470
- laserprecisionsolutions.com
- Info@lasertribology.com

LPS
LASER PRECISION SOLUTIONS



Before and after LaserTrain cleaning: (above) black rail contamination, (below) rust.



Beyond Traditional Rail Cleaning

LASERTRAIN

Hall **23**. Stand **470**

Ensure optimal rail conditions with LPS cleaning technology. **Discover LaserTrain Gen 2 at InnoTrans 2026**, explore new features and view a live demonstration.

SCAN HERE ↗



LaserTrain Gen 2 UK Launch

Tuxford Rail Innovation & Development Center
November 30th 2026