

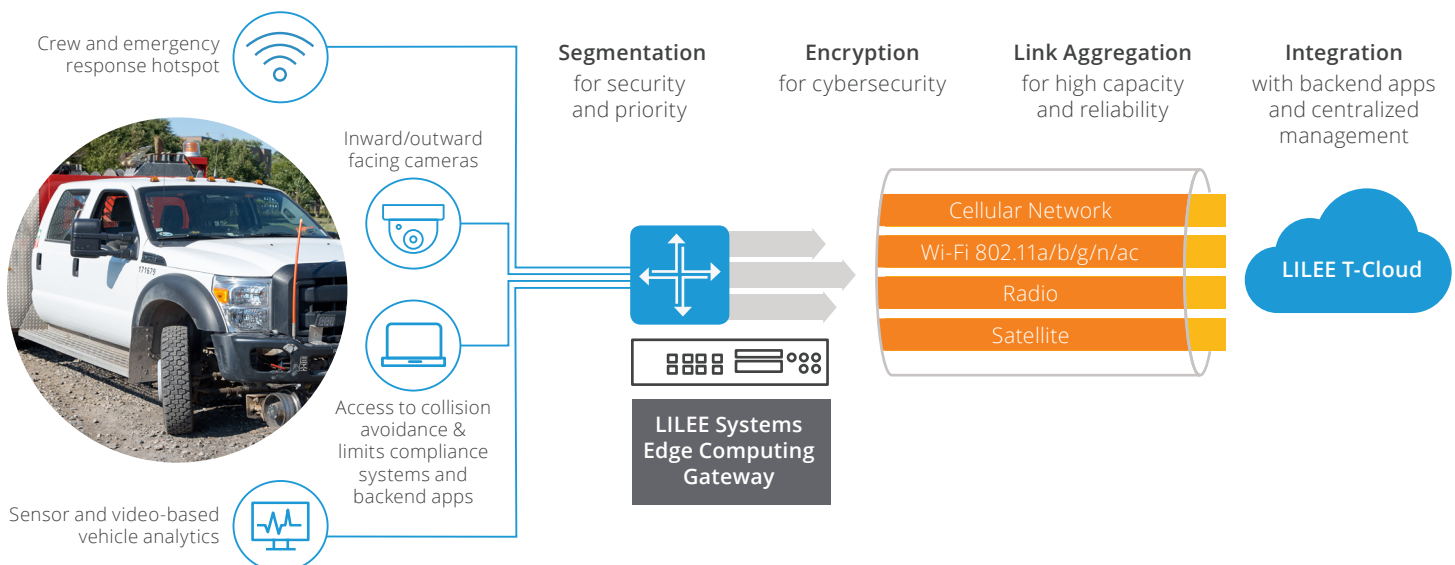
The Connected Hi-Rail with SafeRide™

The railroad is being transformed with real-time connectivity for safety (PTC). Maintenance-of-way (MOW) fleet is the next asset that can benefit from reliable connectivity to ensure safety and improve productivity. For the vast majority of railroads, hi-rail vehicles do not have a safety compliance system deployed and at the same time, there is no integration with a speed enforcement system.

The LILEE Connected Hi-Rail with SafeRide™ delivers highly reliable connectivity to remote hi-rail operators while enhancing the operational safety of hi-rail vehicles. Along with the increased safety, the solution also delivers improved productivity to the remote workers. LILEE's SafeRide is a sensor-based system designed to increase safety for the operators of mobile assets such as on-track vehicles, trains, and buses. The core functionality of SafeRide enables the assessment of driver behaviors, asset health, performance issues, and other characteristics of the mobile environment.



The **LILEE Connected Hi-Rail with SafeRide™** delivers real-time video monitoring, sensor-based vehicle conditions, and highly reliable connectivity for operations and emergencies. It's a comprehensive solution that **transforms maintenance-of-way vehicles into a truly connected fleet.**



Feature and Benefits

The LILEE Connected Hi-Rail with SafeRide™ features powerful edge computing and communications gateways with cloud-based, centralized management and analytics. It enables sensor and video-based safety and links field workers to the operations control center for enhanced communication and efficiency. The solution consists of:

- **LiveView** - SafeRide supports video feeds streamed in real time from up to 8 cameras per vehicle. Operators can watch live feeds of drivers, tracks, and road conditions from anywhere, anytime.
- **Events and Event Videos** - Events such as hard braking, speeding, and vehicle in the wrong work zones are captured by onboard sensors and a driver emergency button. When SafeRide registers an event, it captures 30-second video clips surrounding the event from all integrated cameras.
- **Video-on-Demand** - Operators can view Event Videos in the SafeRide dashboard to analyze past events, coach drivers, and to investigate for regulatory and operational compliance.
- **Vehicle Telematics** - SafeRide tracks diagnostic trouble codes and vehicle locations in real time for incident management. Past vehicle locations can also be correlated with events for troubleshooting or tracking causes of downtime, fuel inefficiencies and other issues.
- **GPS and Alerts** - SafeRide enables operators to track vehicle locations and define high-priority events that trigger SMS and email alerts.
- **Edge Computing** - The LILEE mobile gateway can host third-party applications onboard hi-rail vehicles, such as limits compliance and collision avoidance systems, track geometry and survey applications within a single platform.
- **Wi-Fi Hotspot** - Hi-rail vehicles can act as hotspots that provide reliable connectivity to maintenance crews, first responders and other railroad personnel, thanks to LILEE's wireless technology that aggregates multiple links (cellular, Wi-Fi and radio) to optimize connectivity.


Hi-Rail Safety on and off tracks

Eliminate human errors related to incursions to work zones or leaving assigned zones

Speed compliance with customizable thresholds

Asset utilizations and fuel efficiency comparing idle and running times

Deliver additional layer of safety when vehicles operate on the roads



To learn more about the LILEE Connected Rail with SafeRide or schedule a demo, please contact Kevin Nichter at Kevin.nichter@lileesystems.com or call +1 502-438-6950.

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