ligado NETWORKS | Making Stronger Connections

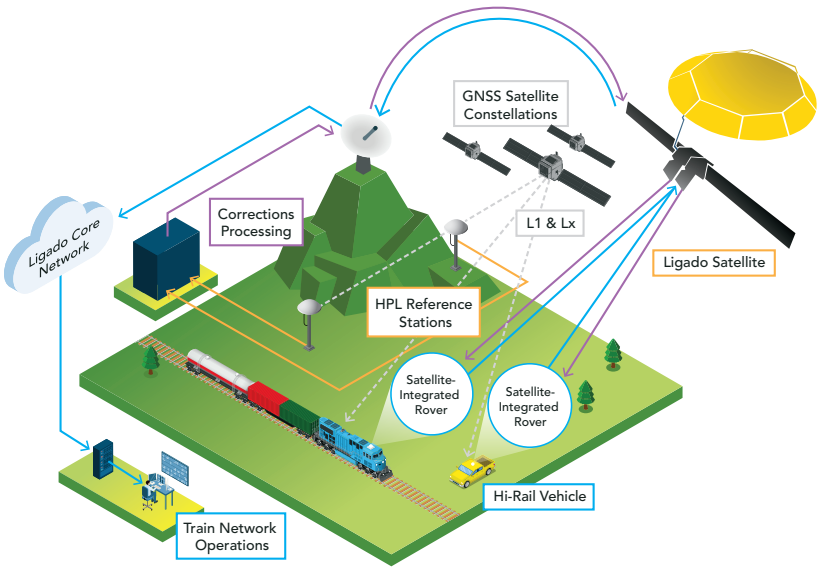
Seamless Connectivity Makes Ultra-Reliable High Precision Location Feasible

TODAY'S NEED

GPS works well today for consumers, supporting vehicle navigation and other best-efforts applications. But a growing range of advanced industrial applications require, or benefit from, centimeter-level accuracy. This requires signals from current Global Navigation Satellite Systems (GNSS)—what consumers use on their smartphones every day—be supplemented with correction data. Currently, this is achieved only in low volume and at high cost.

THE SOLUTION

Ligado Networks is developing technology that integrates our satellite connectivity with precision GNSS systems. Ligado's L-band satellite enables pervasive, scalable and efficient delivery of high-bandwidth GNSS correction data to small mobile devices. As a result, a much wider array of Industrial IoT applications gain access to economical High Precision Location.



BENEFITS: GREATER SAFETY, ENHANCED AUTOMATION AND OPERATIONAL EFFICIENCIES

- Operate critical business processes more efficiently through autonomous vehicle solutions
- Enhanced rail safety through situational awareness, Positive Train Control and inspection of rail lines using Unmanned Aerial Vehicles (UAVs)
- Improved worker safety through UAV linear inspections of power lines and pipelines
- Emergency first responders receive far more accurate location information

In this rail use case, Ligado generates and delivers correction data to locomotives and other vehicles throughout its North American satellite footprint, enabling precise localization. The satellite also delivers position reports to the railroad's operations network.

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