

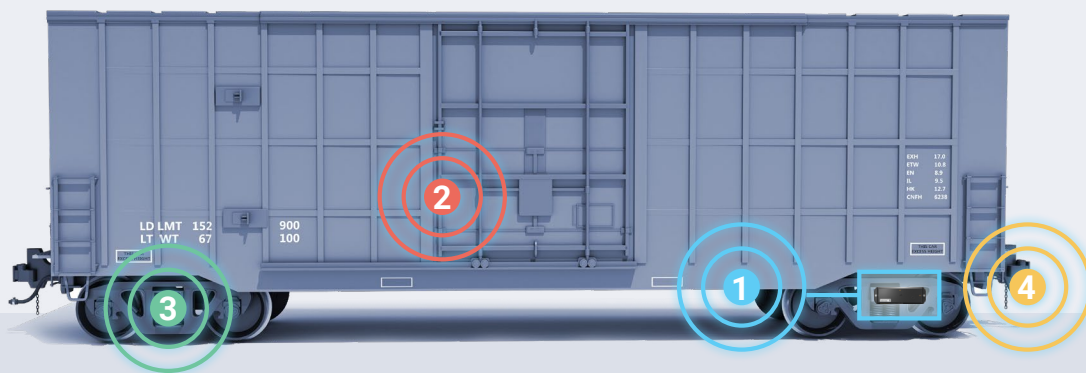


# Pivot

## Advanced Railcar Remote Monitoring



Pivot is a cutting-edge Railway IoT solution that monitors and delivers reliable railcar information, empowering superior supply-chain coordination, optimized asset utilization, and lower operational costs.



### Pivot Key Features



#### Location Monitoring and Impact Detection

Track the exact location of railcar and detect significant shocks to the railcar



#### Door/Hatch Status

Instant updates on the open or closed status of door/hatch



#### Load Status

Updates about the loaded/unloaded status of the railcar



#### Handbrake Status

Status Updates on the engaged or released handbrake

### Benefits

#### Enhanced Supply Chain Efficiency

- Make informed decisions backed by reliable data.
- Effectively plan logistics by tracking accurate railcar location.
- Reduce dwell and cycle times.

#### Cargo Protection

- Prevent cargo loss from mishandling or damage.
- Prevent unauthorized access and safeguards against thefts.
- Ensure reliable transportation of goods.

#### Optimized Asset Utilization

- Avoid overuse and underuse of railcars.
- Reduce need of additional equipment.
- Allocate resources efficiently.

#### Minimized Downtime

- Minimize accidents and operational disruptions.
- Analyze and address issues quickly.
- Reduce maintenance costs.



## Why Pivot?

Pivot offers a robust and reliable railcar remote monitoring solution, designed to meet the diverse needs of rail shippers, lessors, OEMs and railroads while prioritizing security, ease of installation, and data accuracy.

**Long-lasting Battery:** Up to 10 years of battery life with no reliance on solar.

**Quick Installation Anywhere on the Railcar:** Available for all types of railcars, installed in under 10 minutes.

**Seamless Integration:** Integrates into existing railway systems, minimizing disruption during implementation.

**Intuitive and User-friendly Interface:** Easy to use with comprehensive reporting, fleet analytics and insights.

**Encrypted and Secure:** Industry grade encryption protocols to safeguard all transmitted data.

**C1D1 Certification:** Pivot is intrinsically safe in hazardous conditions and is built to withstand challenging rail conditions.

**Wide-range sensor coverage:** Data transmitted on industrial bandwidth, with device transmission unaffected by dirt or debris.

**Powered by BlackBerry:** Built in partnership with BlackBerry, leaders in asset tracking solutions.

With over 35 years of Railway and IoT experience coupled with industry leading 24x7 customer support, ZTR provides a railcar remote monitoring solution you can trust.

ZTR | pivot™  
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