

Railways

Optimal utilization and management of railways requires ubiquitous cloud connectivity, plug-and-play sensors, powerful edge analytics, and compelling data visualization.

Railway managers require a simple, cost-effective platform for optimizing both passenger and cargo journeys,

Skylo's affordable satellite network keeps your fleet connected

Skylo Technologies provides a secure, reliable, and cost-effective platform for large-scale deployment of sensors and satellite connectivity, delivering real-time actionable intelligence to rail operators.



Safe, Secure and Connected Railways

Railcar Sensor Examples

Environmental

Temperature and humidity sensors to optimise the passenger experience.

Real-time tracking sensors provide insight into the environmental state of the wagon and facilitate an immediate response to environmental fluctuations.

Location

Satellite navigation sensor determines the ground position of a wagon.

Real-time position information to track location and movement of wagons.



Rolling Stock Conditions

Sensors detect wheel slip.

Real-time alerts allow insight into when reactive and preventative maintenance is required.

Customer Feedback

Collect first-hand feedback on the passenger experience

Real-time customer feedback maximizes provides visibility into the passenger experience on each individual wagon.

Solution Details

- ◆ Cost-effective satellite hub for narrowband remote sensor applications.
- ◆ Real-time alerts and diagnostics for improved efficiency and safety.
- ◆ Ruggedized IP67-compliant hubs support terrestrial and marine-based applications.
- ◆ Flexible connectivity for a wide range of wired and wireless sensors.
- ◆ 2-way messaging between drivers, engineers and operations centers.
- ◆ Precision location tracking to 3 meters.
- ◆ Battery and wired power operation.
- ◆ Link layer 128-bit encryption to protect all data.



Ready to connect your business?

If you're interested in being part of the future of connectivity for the Internet of Things, then our team in the USA and India are waiting to hear from you.

Email us at:

info@skylo.tech

Find out more at:

www.skylo.tech