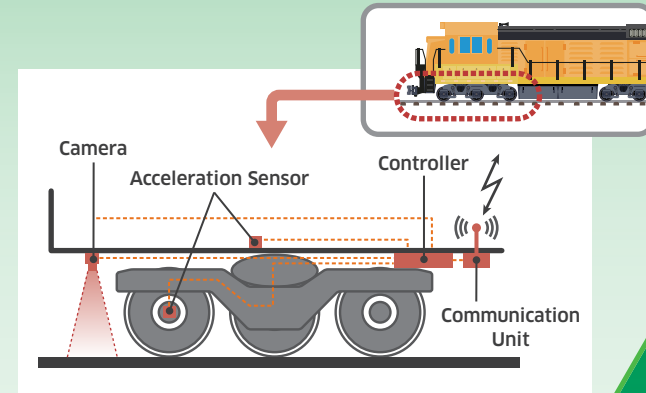


Autonomous Track Geometry Measurement System

Reducing environmental impact by autonomous track geometry measurement using trains in commercial operation

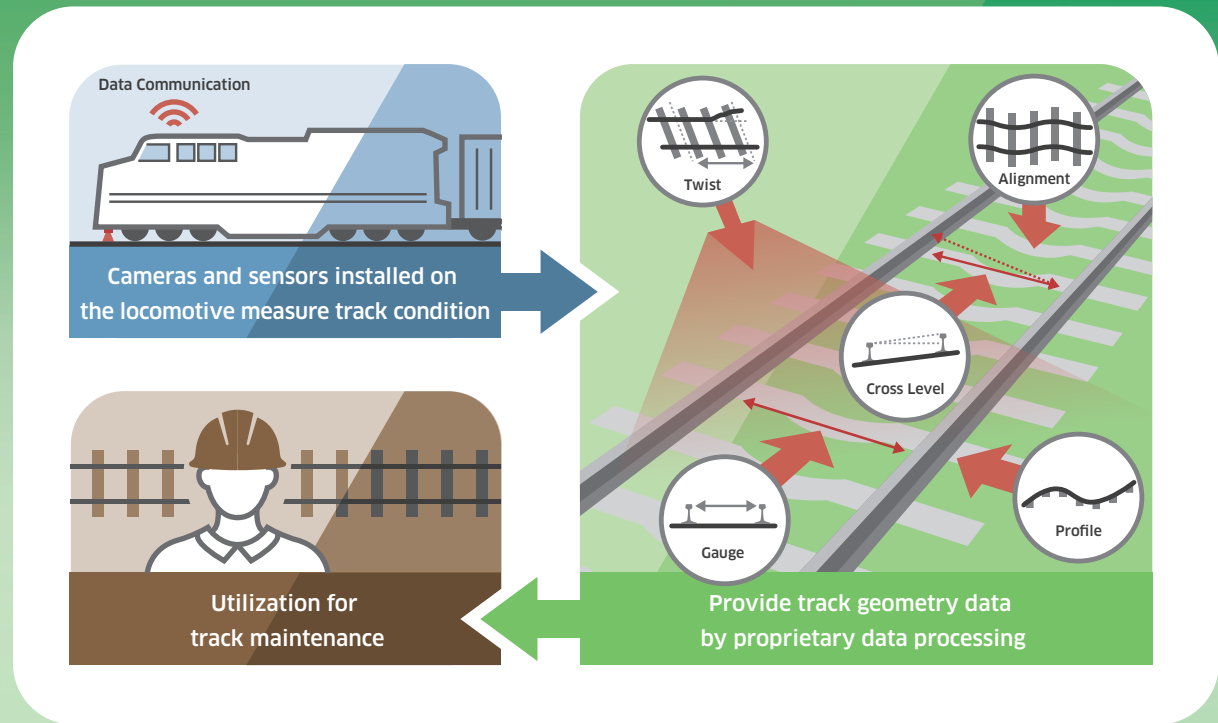
Autonomous Track Geometry Measurement System enables trains in commercial operation to measure track geometry. Measurement by train in commercial operation increases measurement frequency and eliminates dedicated track geometry inspection cars, while reducing their energy consumption.



2023

**Kawasaki
Ecological Frontiers
S class**

Initial registration: 2020



Product Description

Cameras and acceleration sensors installed on trains measure track geometry (Gauge, Profile, Alignment, Cross Level and Twist) which increase travel safety and ride comfort. KHI is now testing for verification in an overseas project

Features

- Installation on trains in commercial operation enables dramatically higher measurement frequency
- Very small devices with flexibility of installation in separate locations allows installation on limited space of existing cars