



MoniRail's modular solution enables a cost-effective way of measuring a range of track geometry parameters, comparable to measurements taken by dedicated track recording vehicles. The system has been proven against Network Rails measurement trains.

Track Geometry Measurement Sensor:

- The system does not measure Track Gauge.

Axlebox Sensor System:

- Provides a wider range of track measurements.



In combination, the full system can regularly collect important track data to enable a better understanding of the track asset while enabling transitions to condition based maintenance.

Systems can be:

- Quickly and easily retrofitted to existing rolling stock or fitted to new rolling stock.
- Fitted within normal maintenance routines.
- Freight vehicles can also be used.
- Data is communicated wirelessly.
- Data is collected continuously.

Using the system on a daily basis enables track engineers to quickly identify problems being caused by weather extremes:

- Detection of washing out caused by excessive rainfall.
- Track problems caused by excess heat.

