How to future-proof your railway

Instruments

- Five Channel Data Logger
- Single Channel Data Logger
- Gateway with Solar Panel
- Tiltmeter
- Meteorological Station
- Railway Deformation System
- Vibration Monitor
- Piezometers
- Multipoint Extensometer
- Vibrating Wire Crackmeter
- Water Level Meter
- Strain Gauges
- Load Cell
- LaserTilt90
- In-place Inclinometers
- InSAR
- Optical Survey Prism
- Magnetic Extensometer

Geomotion
AUSTRALIA

RAILWAYS ARE CRITICAL PIECES OF INFRASTRUCTURE THAT ARE BUILT ON THEIR RELIABILITY AND SAFETY.

Geomotion's tailor-made monitoring solutions offer a smart way to manage and reduce risks. Data from these systems can be used by asset managers to minimise track downtime, evaluate the effectiveness of maintenance and respond to developing issues before they become critical.

Several aspects of railway operations can be monitored, from under-track crossings and Track Subsidence to Landslips and Embankment failures Viaducts. A bespoke monitoring system can be designed using more sensors in more critical areas, resulting in a higher data density and more reliability.

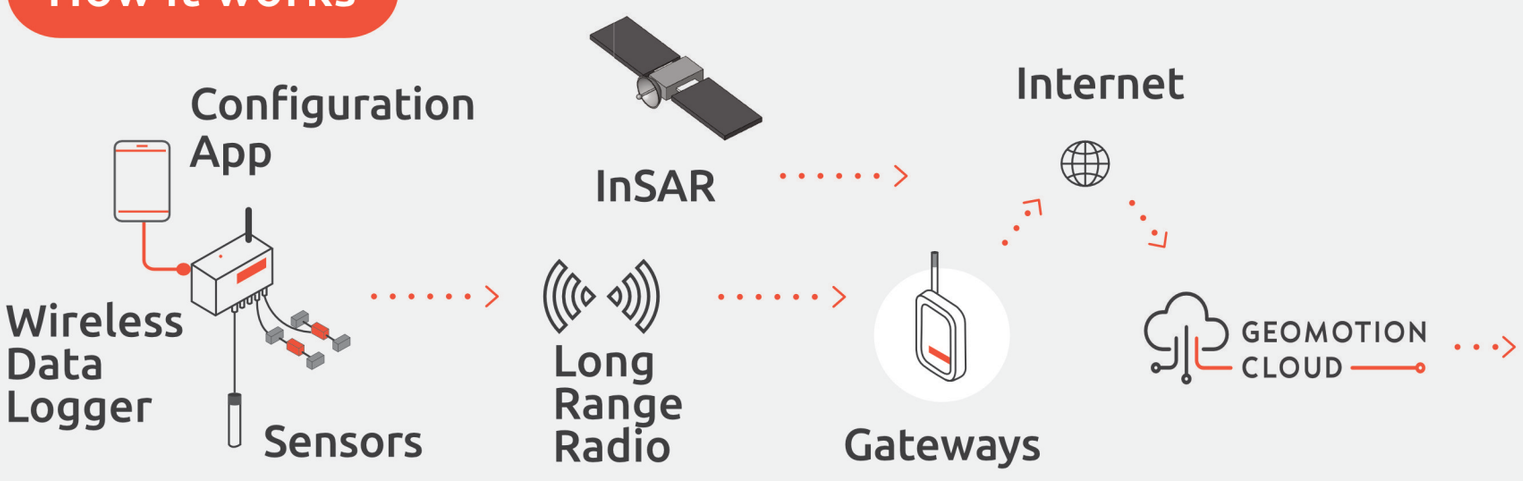
Connection to Automated System

Integration in Geomotion Cloud

Benefits

- Reduce costs over lifetime of railway assets
- Provide more insight from manual inspections
- Enhance the safety of railway workers and customers
- Increase productivity and improve effectiveness of maintenance works
- Higher data density for critical areas

How it works



Information

- Analysis
- Real Time Reporting
- Alerts
- Notifications

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