



# S-scan

RAILWAY MONITORING SOLUTION

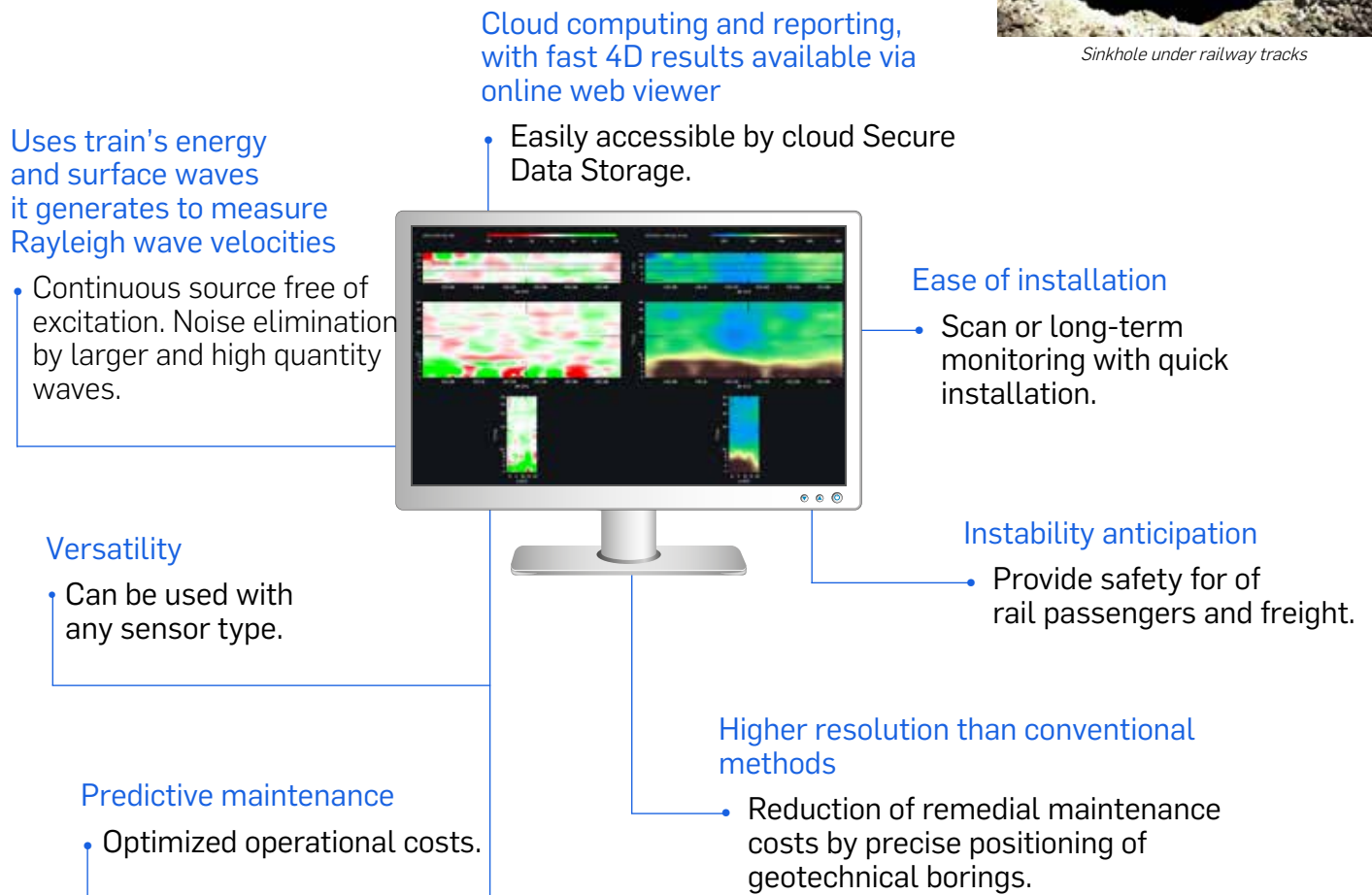
# S-scan

Near-surface imaging and monitoring solution to prevent deformation and collapse.

## FEATURES & BENEFITS



Sinkhole under railway tracks



## HOW DOES IT WORK?

### → EQUIPMENT

- Highly sensitive accelerometers with accuracy up to 30 meters/98'5" foot depth.

### → ACQUISITION & REMOTE CONTROL

- Monitoring on InSite equipment: train detection, sensor status system alerts.

### → DATA PROCESSING

- On-board automatic passive seismic, and guided interferometry processings (daily results).

### → INTERPRETATION & REPORTING

- Daily reporting on a dedicated 4D web viewer. Feeding experts geophysicists with interpretation ready data.

# THE SENSOR SOLUTION



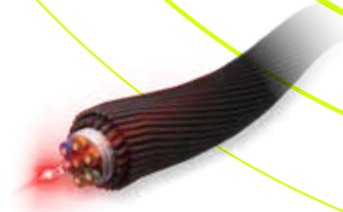
## WiNG<sup>NT</sup> Node

- For proof of concept or snapshot imaging.
- Post processed results within a few days.
- Accuracy of 30 cm/12 inch and up to 10 m/32 feet covered area.



## Wired accelerometer

- High-precision monitoring.
- Real-time monitoring & processing over several weeks or months.
- Accuracy of 1 m/3,3 feet and up to 100 m/328 feet covered area.



## DAS fiber cable

- Long-term and long-range monitoring.
- Real-time monitoring & processing over several months or years.
- Accuracy of 5 m/16 feet and up to 80 km/50 miles covered area.

# SOFTWARE SOLUTION

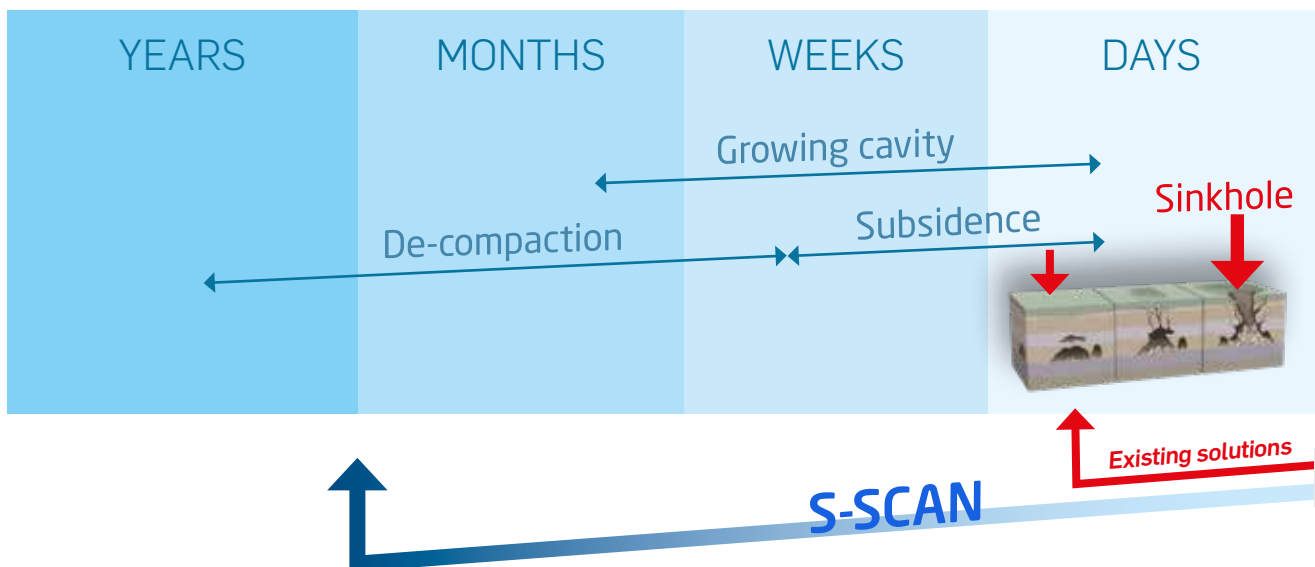
## S-scan software

- Continuous data harvesting.
- High-data capacity.
- High-resolution visualization and analysis of near-surface imaging.



# EARLY INSTABILITY ANTICIPATION

Growing cavities & sinkholes



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