



Inventory data digitalisation with SATengine

Reliable data for your project.

Services & Expertise

SATengine collects infrastructure data for railways.

- Line elements, geocoordinates, track topology and gradients
- Point clouds and 360° panorama images
- Object database with trade-specific attributes

Methodology & Approach

Mobile Mapping whilst in operation – up to 140 km/h.

- Precise georeferencing for highly accurate data
- AI-based object and condition analysis
- Merging with reference and inventory data

SATengine in action



1

Detection
LiDAR & Video



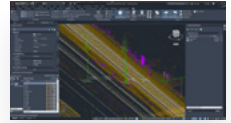
2

Recognition
AI-Objects



3

Analysis
Viewer & Delta



4

Integration
GIS & CAD

Benefits & Integration

No track closures – short processing times.

- No track closure required SATengine Viewer for virtual track inspection
- Export and integration into GIS and CAD systems
- Budget and schedule certainty
- A solid foundation for designing, construction and approval



Proven areas of application & contact details

Infrastructure data collection, mapping of infrastructure data and virtual track inspections.

- Overhead line survey
- Track documentation
- Updating of as-built designs
- Contact:
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Learn more about
our services:

www.signon-group.com

