



SIGNON SATengine

Solid data. For your project.

Your challenges.

Safe and reliable railway systems require solid track data. However, inventory data more than often do not meet this requirement: In part they are inaccurate, inconsistent, out of date, often incomplete - and can only be analyzed manually. SIGNON SATengine is an innovative system for an efficient collection of accurate infrastructure data. Update of inventory data, distance measurement for design purposes or remeasurement after assembly: SIGNON SATengine does all that and can be used in every stage.

Our solution.

During the measurement runs SIGNON SATengine acquires the following data:

- » Distances between track elements
- » Track-specific gradient profiles
- » Track and element coordinates
- » Video of the track

Main features of SIGNON SATengine:

- » Portable equipment that can be used worldwide
- » Certified system
- » Easy installation on board of any vehicle
- » Measurement runs at speeds of up to 140 km / h during normal operation
- » Precise GPS inertial navigation system with correction data
- » Flexible data output

Your advantage.



Dependable data base

Current and accurate infrastructure and topology data
Schematic and topographical maps
Four eyes principle for data analysis



High efficiency

No track closure required
Video for virtual track inspection
Promotes budget and deadline compliance



High integration capability

Can be used in all project stages
Further processing in digital format
Customized interfaces

References.

SIGNON SATengine is used worldwide for rail infrastructure projects and mass transit, e.g.:



Belgium (Siemens/Infrabel)
ETCS L1 (corridor C)



Austria (Thales/ÖBB)
ETCS L2 (Brenner axis)



Germany (Siemens/DB)
ETCS L2 (VDE8)



Australia (Alstom/Railcorp)
ETCS L1 (Sydney Network)



Saudi Arabia (Siemens/SRO)
ETCS L1 (Dammam-Riad)



Norway (JBV)
ERTMS Nat. Implementation



Denmark (Siemens/DSB)
CBTC (City Train Copenhagen)



Vietnam (VNR)
Vietnam Railway Network

Why SIGNON?

We offer our customers the best possible range of solutions, and our network ensures that you will get the ideal solution for your company. To do this we look over the garden fence and are constantly seeking new and innovative solutions. The key words in this endeavor are respect and competence.

Our focus is on the whole world.

Our competencies are being applied all over the world – from Brazil to Vietnam, from Australia to Norway. More than 5,000 projects to date. As different as requirements may be, our customers always benefit from our wide portfolio and our networked services.



One-stop service provider for infrastructure projects.

Our cross-system planning and consulting services for short and long-distance traffic range from conceptualization to the optimization of operations. Find out more about our services! Or better yet, pay us a visit at www.signon-group.com!