



Choose certainty.
Add value.

Rail infrastructure services

Implement a safe and reliable infrastructure network

Your challenges

Populations and markets around the world rely on dependable and efficient rail networks to transport people and goods. Train operating companies, infrastructure managers and manufacturers of infrastructure components must uphold their responsibilities to rail users through the design, construction and maintenance of safe and reliable infrastructure.

What elements of rail infrastructure require testing and assessment?

Reliable and safe infrastructure is the foundation of any railway system. Your business needs to ensure the safety and reliability of the line network and all stationary structures by implementing and/or producing various elements of rail infrastructure in use today, including track systems, earthworks, civil works and tunnel safety.

Why is testing and assessment so important?

Assessment, testing and certification are necessary for ensuring the safety and reliability of all the elements of rail infrastructure. To operate in various markets, you must meet national and international regulatory requirements. Independent certification from a trusted third-party testing and inspection body will increase acceptance of your products in the market and improve your internal QM procedures.

How can we help you?

TÜV SÜD is internationally recognised for its extensive experience in the rail sector. Our rail infrastructure assessment and testing services will help you to demonstrate quality, reliability and safety across numerous railway networks. The quality assurance we offer will build market trust in your solutions and products.



Our infrastructure assessment, testing and certification services

Independent safety assessment

We provide:

- safety assessment of infrastructure,
- assessment of conformity to EN standards or any other international or national standards,
- acceptance of track components (in the factory and on the track),
- assessment of tunnel safety,
- damage evaluation (from derailment and other causes),
- assessment of maintenance procedures with respect to safety issues,
- evaluation of earthworks and civil works, verification of structural analysis for civil works, and
- training for all infrastructure fields.

Testing and certification of track components

We provide:

- well equipped testing laboratories with specialised technology for conducting tests on a wide variety of track components according to the corresponding standards,
- testing and certification of sleepers, rails, fastening systems, switches and crossings, welds (rail-rail, rail-MG-frog etc.), track lubrication systems, track fencing, track measurement cars etc. as an inspection body according to EN 17020, and
- services for EC certifications to Technical Specifications for Interoperability (TSI), Infrastructure (HS

and CR INF), Persons with Reduced Mobility (PRM) and Safety in Railway Tunnels (SRT) through our subsidiary, Railcert, a Notified Body, or as associated partner of Eisenbahn-Cert (EBC).

Your business benefits

- **Enhance the marketability of your products** – with certificates from a trusted third-party testing organisation, which will increase the acceptance of your products.
- **Save time and money** – through our experience from various infrastructure projects. We will help you meet safety requirements while avoiding costly and time-consuming rework of requirements and specifications.
- **Minimise risks** – of time consuming delays and rework, especially at the later stages of a project.

Why choose TÜV SÜD?

TÜV SÜD has been in the rail business for almost half a century and possesses a sterling track record in independent assessment and engineering support for rail infrastructure safety. We are recognised around the world as a railway safety assessor by many railway authorities and National Safety Authorities.

Choose certainty. Add value.

TÜV SÜD is a premium quality, safety and sustainability solutions provider that specialises in testing, inspection, auditing, certification, training and knowledge services. Represented in over 800 locations worldwide, we hold accreditations in Europe, the Americas, the Middle East, Asia and Africa. By delivering objective solutions to our customers, we add tangible value to businesses, consumers and the environment.

Related services

TÜV SÜD provides the following related services:

- Urban rail system services
- Trainings
- Railway energy services
- Signalling services
- Rolling stock services