



Choose certainty.
Add value.

Cableway services

Maintain the safety and reliability of your cableway components and installations.

Your challenges

Aerial cableways provide mass transport for hikers, skiers, walkers and professional athletes. Operators of cableway installations need to maintain safety and availability. Cableways that carry people must comply with safety and quality regulations such as the Cableway Directive 2000/9/EC, one of the most updated in the world. Manufacturers need to ensure subsystems and safety components are certified according to the directive before placing cableway installations on the market. For new installations, operators have to ensure the entire cableway system and infrastructure is validated according to local regulations and laws. Existing installations are subject to annual inspections by an independent organisation.

What considerations are important for cableway manufacturers and operators?

User safety, reliable operations and compliance to the Cableway Directive are prime concerns for manufacturers and operators of aerial cableways. To safeguard against risks and liabilities, your business requires a trusted testing,

inspection and certification organisation with expert knowledge of the directive and relevant national regulations.

How can we help you?

TÜV SÜD is a leading cableway safety specialist. Our experts provide world-class knowledge for designers, manufacturers and operators of cableways and ski tows. As a recognised Notified Body, we are accredited to certify safety components and subsystems of your cableways to the Cableway Directive. For operators, our experts offer comprehensive testing, inspection and consulting services to support the safety, quality and cost effectiveness of your installations and ensure compliance to national regulations.

Our services for cableways

■ Testing and inspection

TÜV SÜD tests and inspects cableway installations throughout their lifecycle. This includes after commissioning before public operation, after equipment repair or replacement, and on a regular annual basis.



We also test cableways for material handling as covered by the Machinery Directive 2006/42/EC.

Our tests and inspections include the following:

- Thorough examination of all cableway components, including safety devices and safety functions performed by the electrical control system
- Operational testing (e.g. brake performance testing)
- Wire rope, haul rope and track rope testing using the magnetic induction method
- Preparation of safety reports
- Fire safety
- Non-destructive testing of clamps, drives, hangers and cabins
- Wall-thickness measurements on hanger pipes
- Stress measurement on vehicles, sheaves and other components
- Vehicle service life assessment
- Damage assessment
- Testing of hoisting equipment, gates and lifts

■ **Certification according to the Cableway Directive**

We certify all subsystems and safety components as per Cableway Directive 2000/9/EC for design and production.

■ **Certification of cableway operation**

This unique service from TÜV SÜD enables operators to become a certified cableway operation by evaluating the suitability, consistency and usability of the entire operation and maintenance procedures.

■ **Consulting and training services**

We offer consulting throughout your cableway installation lifecycle, including feasibility studies, comparisons of different cableway systems during the planning phase, independent evaluation of manufacturers’ proposals, and valuation of your installation. Our services also include employee training on directives and safety awareness, workplace evaluation, and provision of occupational health and safety experts.

■ **Management services**

We provide quality assurance and certification as per ISO 9001, and advisory services on environmental services as per ISO 14001.

Your business benefits

- **Be assured of safety** – through comprehensive periodic testing and inspection services that ensure the safe functioning of your components and systems.
- **Benefit from legal certainty** – with our in-depth familiarity with state-of-the-art technology and knowledge of relevant regulations and directives.
- **Increase operational availability** – with comprehensive solutions from a single source that minimise operational holdups to your installations.
- **Enhance your reputation** – with the TÜV SÜD inspection and certification mark, which is widely regarded as a guarantee of safety and reliability.

Why choose TÜV SÜD?

TÜV SÜD is widely known as an independent third-party solutions provider that conducts impartial analyses and tests for cableways. We ensure the safety of your components and installations, covering all electrical, mechanical and civil engineering aspects. Our experts are involved in developing international and European standards governing cableways. As an active member of several OITAF working groups, we are also very familiar with new regulations. In addition, TÜV SÜD is a recognised Notified Body with over 55 years of experience in inspection and certification of all kinds of cableways, in accordance with the relevant regulations.

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:

- Material testing
- Cranes and machinery
- Lifts and escalators
- ISO 9001 – Quality management system certification
- OHSAS 18001 – Occupational health and safety management system certification