



Choose certainty.
Add value.

EN 1090 Standards

Your gateway to the European market.

Your challenges

The introduction of the EN 1090 standards means that steel and aluminium construction stakeholders must comply with the requirements of the new standards to obtain the CE Marking for their structures and put them on the European market. Without the CE Marking, stakeholders face potential legal consequences for any damage caused by these structures. Under the new requirements, manufacturers have to prove the conformity of their products through type testing tests and the certification of their Factory Production Control (FPC) by a third-party Notified Body before issuing a Declaration of Performance.

What is EN 1090?

The EN 1090 standards govern the execution and conformity assessment of steel and aluminium structures. They comprise the following European standards that implement the requirements of the Construction Products Regulation (CPR) for steel and aluminium structures:

- EN 1090-1: Requirements for conformity assessment

for structural components (CE Marking).

- EN 1090-2: Technical requirements for the execution of steel structures.
- EN 1090-3: Technical requirements for the execution of aluminium structures.

How can we help you?

TÜV SÜD is a third-party Notified Body authorised to carry out assessment and certification. From the onset, our experts provide the complete certification process in accordance with EN 1090-1. This enables you to gain market access to the European market by fixing the CE Marking to your products. We certify your FPC based on the initial inspection and factory production control. In addition, we conduct ongoing surveillance, evaluation and assessment of your FPC.

Our EN 1090 services

- **Initial Type Testing and Initial Type Calculation (ITT/ITC)**
We assess if manufacturers fulfil the requirements



to deliver load-bearing components and kits that are compliant with the applicable standard through ITT and ITC.

▪ **Factory Production Control (FPC)**

Based on ITT/ITC, our experts assess manufacturers to check if there is a factory production control implemented that includes documentation and maintenance to ensure that products placed on the market have the necessary and declared performance features.

▪ **Initial inspection**

As a Notified Body, TÜV SÜD comes in during the initial type inspection to verify that the FPC is suitable for standard-compliant manufacturing of components and kits.

▪ **Ongoing surveillance**

Our experts perform regular mandatory continuous surveillance of your FPC to ensure consistent high quality and standard-compliant manufacturing of components and kits.

Your business benefits

- **Minimise risk** – from the onset by identifying and avoiding nonconformities that could lead to legal consequences.
- **Increase market access** – with a CE Marking from TÜV SÜD, enabling you to expand to the European market.
- **Partner expertise** – by working with specialists who have long-standing experience in plant and installation, steam and pressure engineering. We are highly familiar with the state of the art and statutory regulations.
- **Gain wide recognition of certification** – through TÜV SÜD's reputation for independence and impartiality, ensuring widespread acceptance of your certificates and certification marks.

Why choose TÜV SÜD?

TÜV SÜD is known worldwide as an independent and impartial third-party solutions provider. We assess each project objectively and with absolute expertise, ensuring that our clients obtain reliable and realistic reports on which they can base their decisions.

Our specialists come from a variety of different engineering disciplines, with decades of accumulated experience in international public, private and joint-sector projects. We provide you with world-class expertise, which includes extensive familiarity with international directives and regulations. Our global presence allows us to operate around the world on your behalf, delivering services locally while maintaining a premium level of quality.

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 services for related industries:

- Pressure equipment manufacturers
- Pressure equipment operators
- Transportable pressure equipment
- Pipelines
- Material and welding technology
- ISO 9001 certification
- EN 15085 certification
- ISO 3834 certification
- Non-destructive testing for industrial plants and systems
- ASME boiler and pressure vessel code
- AWS
- Quality assurance and manufacturing process