



Choose certainty.  
Add value.

## Pressure equipment operator services

Keep equipment and installations running smoothly.

### Your challenges

Since the early days of industrialisation, plant owners and operators have placed paramount importance on the safe and efficient operation of pressure equipment. This includes steam boilers, pressure vessels, piping, safety valves and other components. Plant owners and operators need to ensure their equipment and installations operate safely and efficiently throughout the plant's lifecycle, from design and construction through to operation. It is also crucial to reduce plant downtime so that you can maintain high availability throughout its lifecycle.

### What services does TÜV SÜD provide for pressure equipment operations?

We offer all relevant inspections and tests in operation and maintenance of pressure equipment and installations. Our experts can help you within the scope of hazard assessments, expert opinions, as well as failure and damage analyses.

### Why are these services important for your business?

Our services help you identify flaws and errors during installation/construction or operations before they can become a threat. If issues are not found at an early stage, they can worsen and lead to equipment failure as well as unacceptable safety risks. In turn, this can result in loss of reputation, decline in profits and costly lawsuits.

### How can we help you?

From our origins as a steam boiler inspection association in 1866, we have been a trusted expert in safety and quality inspection for over a century. You can capitalise on our longstanding experience and technical competency in this field to prevent equipment failure and operational downtime. Our services help you increase your plant's profitability and safeguard your company's reputation for reliability and safety.

## Our services

### ■ Inspection before operation (initial inspection)

Our review services cover license and permit applications, design examinations as per industry standards and monitoring of construction and assembly. We also check pressure equipment for suitability for intended service and ensure that the system is properly integrated into your plant installation.

### ■ In-service inspection

TÜV SÜD offers periodic inspection of equipment and installations in accordance with local legal requirements and industry standards.

### ■ Innovative testing concepts

We support your plant with high-end NDT/NDE techniques such as acoustic emission testing. We also perform Risk-Based Inspection (RBI) to assess the probability of asset failure.

### ■ Accident and damage investigation

We provide investigation, analyses and expert opinion in accident and damage cases.

### ■ Control of major accident hazards

TÜV SÜD helps to reduce the risk of major accidents through alarm and emergency response planning, hazard analysis as per PAAG or HAZOP procedure and fault-tree analysis. We also support you with impact assessments and assessment of plant-specific explosion protection.

### ■ Support in developing safety concepts

Through our in-depth familiarity with technical guidelines and standards, we help you develop safety assessments in compliance with pressure equipment standards.

### ■ Support and inspections within the scope of decommissioning

During the decommissioning phase, we inspect equipment and installations according to local legal requirements and industry standards.

### ■ Risk management support concepts

TÜV SÜD provides hazard and risk management in line with PAAG or HAZOP. We perform site-related analysis of environmental and safety risks. Our experts assist you in establishing and implementing environmental and occupational health and safety management systems, as well as inspection strategies based on experience or risks.

## Your business benefits

- **Save time and cost** – through our extensive experience to avoid cost-intensive and time-consuming delays, rework and downtime.
- **Minimise risk** – by identifying issues before they grow into significant problems that affect plant operations.
- **Increase efficiency** – by working with a single partner to achieve a seamless solution throughout your project lifecycle.
- **Draw upon integrated support** – with TÜV SÜD's expert staff and IT solutions, negating the need for you to provide your own resources for inspection activities.

## Why choose TÜV SÜD?

TÜV SÜD has a worldwide reputation as an independent third-party solutions provider. We provide reports and certificates that meet with the highest acceptance by authorities. Our extensive experience and participation in preparing technical guidelines and standards make us an ideal partner for assessing your plant operations. We approach each project holistically and take technology into consideration, performing a fully integrated assessment of the entire plant or installation to ensure safety. Our skilled multidisciplinary specialists work closely with you, offering customised service packages designed to meet your unique requirements.

## 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:

- Machinery directive
- Materials technology and welding engineering
- Risk-based inspection and maintenance
- Pipelines
- Pressure equipment manufacturer services
- Hazard and risk analysis
- ASME boiler and pressure vessel code