Safety and reliability under pressure

End-to-end solutions for boilers, pressure equipment and installations.
Pressure equipment designers and manufacturers have to understand and implement the requirements of safety, quality and environmental standards from the onset, while also keeping up with changing technologies, processes and market demands. It is also important for manufacturers to safeguard materials from corrosion, cracks and damage during the procurement and fabrication stage. Plant owners and operators need to ensure the safe operation and availability of their pressure equipment and installations throughout the plant’s lifecycle. To ensure smooth operation, it is essential to have demand-certified safety standards and regular technical monitoring during the design and installation stage.

TÜV SÜD’s multidisciplinary experts work closely with you to ensure conformity, design consistency and operational efficiency of pressure vessel equipment and installations.

Pressure safety without compromises
Make pressure equipment and installations safe for people and the environment

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TÜV SÜD ensures that your pressure equipment and installations achieve maximum service life while keeping costs to a minimum. We support you in design review at the planning stage to avoid costly rework. Our experts test, inspect and certify pressure equipment according to pressure codes and regulations. In addition, we provide personnel certification and training. By offering the CE Mark and ASME Code from a single source, we streamline your access to global markets. TÜV SÜD’s industry insights and expertise help you to optimise plant performance for potential savings, ensure safety and safeguard reliability.
A comprehensive approach to quality and safety for pressure equipment

We provide stakeholders with knowledge, inspection, testing, auditing, certification and training services along the asset lifecycle. Our breadth and depth of technical expertise cover pressure vessels, tank systems/water conservation, control of major accident hazards, steam and hot water boilers, alternative energy sources, and pipelines.

**ASSET LIFECYCLE**

- **KNOWLEDGE SERVICES**
  - SITE ASSESSMENT
  - PERMIT APPLICATION SUPPORT

- **INSPECTION & TESTING**
  - DESIGN REVIEW
  - DOCUMENTATION REVIEW

- **AUDITING & CERTIFICATION**
  - QUALITY MANAGEMENT SYSTEMS AUDIT
  - DESIGN CERTIFICATION
  - PARTICULAR MATERIAL APRAISAL

- **TRAINING**
  - TRAINING/QUALIFICATION FOR PE AND PIPING

**FEASIBILITY ▼**

- HAZARD & RISK ASSESSMENT
- CODES & REGULATIONS CONSULTANCY

**DESIGN ▼**

- SPECIFICATION REVIEW

**PROCUREMENT & MANUFACTURING ▼**

- PRESSURE & LEAKAGE TEST, VISUAL INSPECTION
- FINAL ASSESSMENT
- DOCUMENTATION REVIEW
- COMPONENT TESTING
- MATERIAL INSPECTION & TESTING
- DESTRUCTIVE & NON-DESTRUCTIVE TESTING (DT&nDT)

**CONSTRUCTION & COMMISSIONING ▼**

- PRESSURE & LEAKAGE TEST, VISUAL INSPECTION
- FINAL ASSESSMENT
- DOCUMENTATION REVIEW
- FUNCTIONAL SAFETY INSPECTION
- CONSTRUCTION MONITORING
- DESTRUCTIVE & NON-DESTRUCTIVE TESTING (DT&nDT)

**OPERATION ▼**

- HAZARD & RISK ASSESSMENT
- PLANT STATUS ASSESSMENT
- FAILURE ANALYSIS

**Our industry accreditations**

- **Accreditations**
  - ISO/IEC 17020
  - ISO/IEC 17021
  - ISO/IEC 17024
  - ISO 9001
  - SCC**2006

- **Directives**
  - 97/23/EC
  - 2010/35/EU
  - 2009/105/EC
  - ADR/RID

- **Standards**
  - Quality Systems ISO 3834
  - HP0/W0 approval
  - ASME
  - Indian Boiler Regulation IBR
  - German AD Code
  - British Standard
  - French CODAP
  - Italian Raccolta VSR
  - DOSH and other local codes and regulations

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Supporting industry globally
Over 800 locations in 40 countries around the world

Why choose us?

**World-class expertise**
With over 145 years of experience, we offer solutions that are backed by best-practice case scenarios, making us a holistic service provider and a project implementation expert. We provide world-class insights, intelligence and expertise on a local, regional and global scale.

**Independent and impartial**
TÜV SÜD has a strong reputation as an independent third-party technical service provider for manufacturers, owners and operators. Our objectivity and impartiality ensures neutrality for your projects and adds value to your services.

**Industry accreditations**
We are a recognised testing, supervisory and certification body for the entire EU (Notified Body 0036) and a preferred partner of the Authorised Inspection Agency ARISE Inc., U.S. This enables us to offer both the CE mark and ASME Code acceptance under a single roof.

**Multidisciplinary experience**
Our global multidisciplinary team includes experts in process engineering, design, I&C engineering and mechanical engineering, enabling us to set up the right team to support your project.

**End-to-end solutions**
TÜV SÜD is your one-stop source for industrial plant solutions. We offer customised service packages precisely tailored to your needs throughout the entire project lifecycle, from feasibility, design, procurement and manufacturing, construction and commissioning through to operation.

**Global support**
With over 800 TÜV SÜD locations in Europe, the Americas, the Middle East, Asia and Africa, TÜV SÜD is represented in all major economic regions of the world. Our specialists are expert partners for planners, designers, constructors, component manufacturers and operators all around the world.

Your business benefits

**Minimise risk** – Reduce the risk of major accidents in plants. We support you to establish and implement environmental and occupational health and safety management systems.

**Increase efficiency** – Benefit from working with a single partner to achieve a seamless solution throughout the project lifecycle.

**Save time and money** – Draw upon our extensive experience to avoid cost-intensive and time-consuming delays, rework and downtime.

**Access comprehensive solutions** – With a profound technological understanding of pressure equipment and installations, we provide the certification and operational expertise for manufacturers, owners and operators.

**Strengthen your competitive edge** – Leverage our expertise in safety and statutory compliance to gain legal certainty. Third-party certification by TÜV SÜD provides the strongest demonstration of your commitment to quality.
Contact us to learn more about our steam and pressure technology solutions

www.tuv-sud.com/steamandpressure
steamandpressure@tuv-sud.com

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.

Our global offices

TÜV SÜD INDUSTRY SERVICE
TÜV SÜD AG
Westendstr. 199
80686 Munich
Germany
Tel: +49 89 5791 0
Email: steamandpressure@tuv-sud.com
www.tuv-sud.com/steamandpressure

AMERICAS
TÜV SÜD America
10 Centennial Drive
Peabody, MA 01960
United States of America
Tel: +1 800 888 0123
Email: info@tuv-sud-america.com
www.tuv-sud-america.com

ASEAN
TÜV SÜD PSB
1 Science Park Drive
Singapore 118221
Singapore
Tel: +65 6778 7777
Email: enquiries@tuv-sud-psb.sg
www.tuv-sud-psb.sg

BRAZIL
TÜV SÜD Brasil
Rua Girassol, 1033
São Paulo, 05433-002
Brazil
Tel: +55 11 3817-0200
Email: contato@tuv-sud-com.br
www.tuv-sud-com.br

CENTRAL EASTERN EUROPE
TÜV SÜD Central Eastern Europe
Novodvorská 994/138
Praha 4
142 21
Czech Republic
Tel: +420 239 046 800
Email: info@tuv-sud.cz
www.tuv-sud.cz

GREATER CHINA
TÜV SÜD China
No. 88 Heng Tong Road
Shanghai 200070
P.R. China
Tel: +86 21 6141 0123
Email: info@tuv-sud-cn
www.tuv-sud-cn

JAPAN
TÜV SÜD Japan
Sumitomo Fudosan
Nishi-Shinjuku No. 4
8F, 4-33-4, Shinjuku-ku,
Tokyo 160-0023
Japan
Tel: +81 3 3372 4821
Email: info@tuv-sud.jp
www.tuv-sud.jp

KOREA
TÜV SÜD Korea
“KL163” Building
#60 Yoido-Dong
Youngdeungpo-Gu
Seoul 150-763
Korea
Tel: +82 2 3215 1100
Email: info@tuv-sud.kr
www.tuv-sud.kr

MIDDLE EAST
TÜV SÜD Middle East
Office 201, 2nd Floor
Ibn Battuta Gate Complex
P.O. Box 2834
Dubai
United Arab Emirates
Tel: +971 4 447 3113
Email: info@tuvsudme.com
www.tuv-sud.ae

AFRICA
TÜV SÜD South Africa
1st Floor
ExecuJet Business Centre
Tower Road
Cape Town International Airport
7525, Cape Town
South Africa
Tel: +27 21 935 7960
Email: info@tuv-sud.co.za
www.tuv-sud.co.za

SOUTH ASIA
TÜV SÜD South Asia
Solitaire, 4th Floor
ITI Road, Aundh
Pune-411007
Maharashtra
India
Tel: +91 20 6684 1251
Email: info@tuv-sud.in
www.tuv-sud.in