



Choose certainty.
Add value.

Pipelines

Make the right connections
for energy.

Your challenges

Given the high cost of pipeline erection projects, it is important for pipeline operators to avoid delays. To this end, the quality of materials and assembly should be ensured throughout the procurement and fabrication stage. To minimise risks to communities and the environment, pipelines must also be safeguarded against corrosion, cracking or damage from natural elements. Finally, operators face the challenge of navigating and managing the strict legal and documentation requirements of the approval process.

What services does TÜV SÜD provide for pipelines?

TÜV SÜD provides operators and owners with a comprehensive range of testing, inspection, assessment, assistance and end-to-end project support services related to the construction, operation and rehabilitation of pipelines.

Why are these services important for your business?

TÜV SÜD's services help operators to ensure the reliability of the pipeline, keep projects on schedule, maintain quality control, achieve operating cost savings and avoid unnecessary penalties from leaks or environmental harm.

Our services

Leveraging our deep technical knowledge and competency in pipeline inspection and testing, we provide services for pipelines that transport oil, gas, water, hazardous liquids and gas as well as high-pressure gas. Our experts are experienced in projects that involve short and long-distance pipelines and pipelines of varying diameters.

■ Support during the approval process

TÜV SÜD partners with pipeline operators and owners during the planning and construction phase to navigate and manage the complexities of the approval process,

from support during the approval procedures to drafting of approval documents.

■ **Project support**

We provide end-to-end project support from the planning/pre-construction phase right through to project support on technical and legal requirements as well as project and review specifications.

■ **Quality assurance/quality control**

TÜV SÜD helps to ensure all materials and assembly meet your project standards during the procurement, fabrication and installation.

■ **Quality, Health, Safety & Environment (QHSE) during construction and operation**

Our QHSE services include third-party site inspection and periodic inspection of safety equipment.

■ **Vendor qualification and selection**

We support you with a range of services to assess your vendors and ensure that they are able to deliver according to your specifications.

■ **Certification of materials**

We offer material certification according to our own standards, clients' requirements or other applicable standards. Our services cover materials such as standard steel, alloy and plastic.

■ **Welder qualification and welding procedure test**

TÜV SÜD assesses and certifies the welders and welding procedures according to the applicable standards and regulations.

■ **Non-Destructive Testing (NDT)**

Our range of NDT techniques covers all standard NDT methods including the stress test, an integral method that assures no stress-reducing defect will be overlooked.

■ **Supply chain services**

With our global network, we assist you to ensure quality control, meet project timelines and conform to statutory requirements, regulations and codes throughout your supply chain.

■ **Pipeline reliability/lifetime operation and maintenance**

Our experts conduct stress tests, periodical inspections, risk-based maintenance (RBM) and final acceptance tests to identify defects and ensure the reliable performance of your pipelines.

■ **Assessment of lifetime extension services**

We provide assessment of pipeline integrity and reliability, requalification and re-certification to help you extend the lifetime of pipelines beyond the original planned period.

■ **Rehabilitation services**

We employ state-of-the-art as well as proprietary methods, such as the "Hot sleeve" procedure using heat-shrink sleeves, to repair and strengthen damaged or defective pipelines.

Your business benefits

- **Save money** – by keeping to the project timeline and avoiding penalties in the approval process.
- **Minimise risk** – by testing for reliability with stress tests.
- **Gain a competitive edge** – through quality assurance, increasing the availability and lifetime of your pipeline.
- **Ensure environmental protection** – by maintaining strict quality and integrity.
- **Improve labour safety** – through our QHSE services.

Why choose TÜV SÜD?

TÜV SÜD has world-class experts with extensive experience in a wide range of national and international pipeline projects. Because of their intensive participation in the preparation of technical directives and European standards, our engineers are highly familiar with the state of the art and applicable statutory regulations. We leverage our in-depth knowledge of the approval process and material certification to provide pipeline operators and owners with services tailored to the needs of their pipelines.

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:

- Cathodic Corrosion Protection (CCP)
- Process Safety Excellence
- Supply Chain Services
- Non-Destructive Testing (NDT) for industrial plants and systems