Your challenges
The financial risks associated with industrial plant investments differ based on the location, environment and technology used. Without a qualified inspection process, a power plant project could suffer from unidentified risks and defects during construction, leading to potential unforeseen loss of revenue. Owners need independent third-party expertise to help them make informed decisions regarding manufacturers and component suppliers, and to avoid weak points in plant construction and operation.

What services does TÜV SÜD provide for owners of industrial plants?
TÜV SUD’s experts provide project management and quality assurance support during all stages of the asset lifecycle as an owner’s engineer. We support owners by taking on a defined role such as a technical reviewer to being fully involved in all aspects of the project.

Why are these services important for your business?
Owners of industrial plants need to comply with international standards to reduce risk of liabilities and address potential quality issues. Ensuring high quality in the planning and construction of a plant is important for its safety and long-term reliability. An owner’s engineer plays a critical supporting role by filling gaps and supplementing a plant owner’s resources.

How can we help you?
TÜV SÜD has international project experience and a global presence that allows us to build strong relationships with local EPCs and component manufacturers. This enables us to provide reliable support in planning, management, supplier evaluation and personnel training for plant construction and operation worldwide. Our third-party inspection services cover the entire asset lifecycle, helping you make sound investment decisions by assessing the strengths and weak points of the project.
Our owner’s engineer services

- **During design and planning**
  TÜV SÜD acts as a second-party inspector on behalf of our clients. An owner’s engineer helps lay the groundwork of a project and minimise risks, defining the project scope, evaluating budgets, conducting feasibility and site studies, analysing technologies and their suitability to a project, providing permitting assistance and addressing related environmental concerns.

- **During component procurement**
  As the owner’s representative, we inspect component manufacturers and suppliers to ensure they comply with relevant codes, design drawings and QC requirements. We also provide independent testing of manufactured components that have not been inspected during fabrication. TÜV SÜD acts as an expediter to ensure on-time delivery of components. We also conduct pre- and post-shipment inspections to verify quality, quantity and packing of goods with proper documentation.

- **During construction/commissioning**
  Our quality assurance services during construction include the supervision of EPC contractors, quality assurance of vendors, HSE inspections, welding supervision and non-destructive testing. We also provide support in licensing documentation review, design review, compliance with relevant codes, acceptance and performance tests, fitness-for-service assessment and claim management.

- **During operation**
  Supported by our proprietary software tool (TÜV-RoiM), our experienced professionals develop optimised inspection and maintenance programmes. We also perform inspection and monitoring, fitness-for-service assessment, lifetime assessment, and management and safety audits according to international and TÜV SÜD-specific standards.

Your business benefits

- **Safeguard your investment** – with realistic assessment of potential risk and growth opportunities for maximum predictability in investments, planning and use.
- **Improve cost efficiency** – by using our integrated service approach to ensure holistic assessment of your project and identify areas for cost savings.
- **Save time and improve process efficiency** – by outsourcing planning and construction to an expert partner that delivers single-source control.
- **Benefit from one-stop solutions** – with our tailored inspection and testing support, from feasibility to commissioning.

Why choose TÜV SÜD?

TÜV SÜD is widely known as an independent third-party solutions provider capable of delivering reliable and in-depth reports. We have long-standing experience and comprehensive knowledge in supporting a wide range of industrial projects at different stages in the plant lifecycle. Our world-class expertise includes extensive knowledge of international directives and regulations. In addition, our presence in key locations worldwide means that we have the international reach to provide services locally while ensuring premium 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 related services:

- Quality assurance and quality control
- Non-destructive testing for industrial plants and systems
- Vendor quality assurance
- Compliance certification
- Component certification