



Image: Gorodenkoff / Shutterstock.com

Reliability throughout the entire project.

Our services for engineering, procurement and construction (EPC) companies.

www.tuv.com

 **TÜVRheinland[®]**
Precisely Right.

Ensure your success.

Increased certainty assures your exceptional performance and helps you meet your targets in terms of time, cost and quality. In complex, long-term infrastructure and industrial projects, a variety of risks has to be monitored and managed.

From the beginning until the end of each project, numerous requirements must be met, interdependent activities have to be planned and controlled, and subcontractors and partners must be diligently selected.

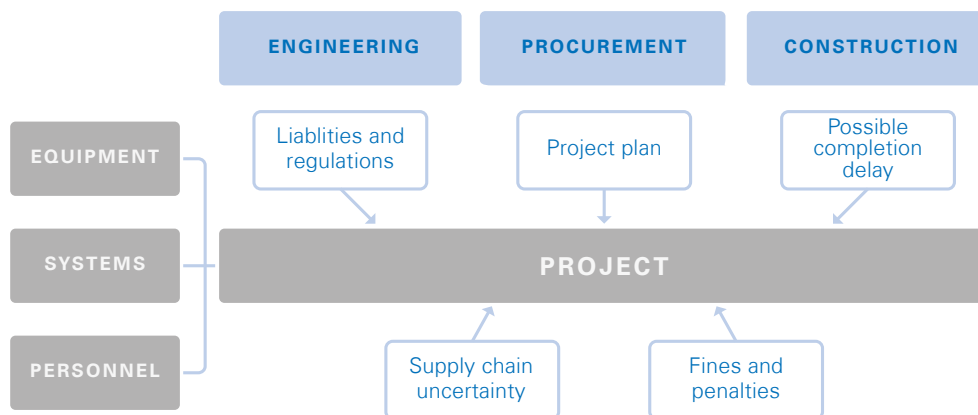
PROJECT RELEVANT CONCERNS ARE RELATED TO:

- Specifications
- Schedule
- Budget control
- Regulatory compliance
- Quality
- Health, safety and environment (HSE)
- Milestones / Release of payments
- Performance



Image: iStockphoto / DragonImages

RISKS IN THESE AREAS AS WELL AS MANY OTHER FACTORS CAN IMPACT THE SUCCESS OF THE PROJECT EXECUTION:



At TÜV Rheinland, we have the expertise needed to support you throughout the entire duration of the project. With our assistance, you are able to foresee possible shortcomings and thus improve your decision making. We not only advise you on the risks and highlight the challenges, but also help you to manage, handle and mitigate them.

Expert know-how close at hand. With TÜV Rheinland by your side.

We give you confidence that your project will be successfully implemented. Our services are designed for each phase of an EPC project lifecycle and our experts are located all over the world. We stand ready to provide you with a selected package of services, management for the entire project or just a single specialist activity suited to your individual needs.

1. ENGINEERING

- Design review & optimization for further inspection services
- Confined and explosion protection area design review
- Environmental impact studies onshore / offshore
- Risk assessment (quantitative, qualitative)
- Hazard identification and mitigation
- Safety case
- Market access services: ensuring compliance with local codes and standards (PED, ASME ...)
- ASME consultancy (AIA)
- Functional safety services (SIS / SIL verification)
- Machinery and control systems safety design review
- Wind assessment

2. PROCUREMENT

- Vendor assessment and qualification services
- Inspection & test plan (ITP) review
- Vendor inspections (QA / QC)
- Expediting services (desk / shop)
- Document management services
- Certification services (e.g. Customs Union)
- Certification validity and completion review (e.g. ATEX, functional safety)
- Commercial inspection / certification for custom clearance
- Warranty survey / witnessing of loading and unloading
- Staffing of project team with supply chain experts

3. CONSTRUCTION

- Regulatory compliance (NoBo services; consulting)
- Site supervision (QA / QC)
- Welding / welders qualification
- NDT operators qualification
- Explosion protection (IECEX 05) operator qualification and certification of personnel competence (CoPC)
- HSE supervision
- NDT services
- Construction risk management
- Root-cause analysis in case of component failures

We are a recognized provider of project management, training, certification and audit services. You can trust in our decades of experience as well as our expertise for your specific project.

Going even further. Supplementary assistance for sustainability.

Complementary to our project lifecycle services, we provide expertise in:

- Knowledge management
- Capacity expansion
- Training
- Consulting
- Development and implementation of standards, certification or evaluation according to rules and regulations
- Corporate social responsibility (CSR) and sustainability
- Compliance
- Verification of corporate and product carbon footprint, carbon offsetting & neutrality
- Monitoring and evaluation of implemented projects

Economic fields of activity. Diverse and comprehensive.

Nowadays, when industrial projects, production and purchasing are becoming increasingly cross-border activities, we are your reliable global partner for comprehensive services.

Capitalize on the diverse professional backgrounds and extensive experience of our experts, as we work in multidisciplinary, multinational teams to find suitable solutions for various industries.

- Oil and gas
- Industrial plants and commercial facilities
- Power plants including nuclear, wind and photovoltaic
- Subways and railways
- Roadways
- Bridges and tunnels
- Mining industry
- Water and sewage
- Housing developments
- Hospitals, schools and public buildings

TÜV Rheinland Group
Industrial Services
industrial-services@tuv.com

www.tuv.com

 **TÜVRheinland**[®]
Precisely Right.