



# Owner's Engineer. Ensure the success of your project.

## Highly Experienced Experts for Your Project Success

Every kind of project comes with many challenges. Apart from making sure that work is on schedule and on budget, project owner's also need to ensure that the complexity of the project is mastered and the risk in investment reduced. Especially for large projects involving many stakeholders, these tasks can exceed the owner's capacities. In addition, some projects require specialized personnel, but maintaining highly experienced experts only for a time-limited project phase can be very expensive. Therefore, project owners need a reliable partner to support them in any issue that may arise.

TÜV Rheinland supports investors and project owners with specialized personnel for all aspects of a project – either as a single expert within your team or as a team of experts acting as independent specialists, to ensure a successful project completion.

Owner's engineers play a supporting role in filling gaps in resources and expertise for a project acting as „independent engineers“ or „lender's engineers“. Every project is unique and therefore requires tailored services. We offer a wide range of comprehensive services from simple technical review to full-scale membership of your team, leading your project to successful completion.

### **BENEFITS AT A GLANCE**

TÜV Rheinland's owner's engineer services offers you:

- Extensive expertise with professional project support and management.
- Risk minimization of budget overruns, environmental issues, procedural claims, quality issues and non-deliveries.
- Assurance that technical and contractual requirements are met.
- Comprehensive consulting services in all project phases.
- Overall project cost control / control on investment.
- Less risks for claims and contractual penalties.

### **OUR EXPERIENCE – YOUR BENEFIT**

With our ongoing global exchange of experience and cooperation on a permanent basis with various technical and scientific institutions, and our network of qualified professionals around the world from different disciplines, our experts can boast highly technical knowledge and experience for national and international projects.

Recognized for our conscientious and reliable work, TÜV Rheinland provides customer satisfaction around the globe and helps ensure successful project performance

# Key Assistance at Key Stages

## 1. PROJECT INCEPTION STAGE

- Definition and review of project scope
- Evaluation of budget and identification of financing sources
- Conduction of feasibility and site studies
- Preparation of early project schedules
- Preparation of technical specifications & functional specifications needed during the procurement
- Evaluation of EPC contract documents (parameters, Quality Assurance, ability to deliver)
- Design review

## 2. PROCUREMENT / FABRICATION STAGE

- Assessment and qualification of manufacturers and their suppliers
- CE marking consultancy
- Production and pre-fabrication Quality assurance and Quality control
- Witnessing Factory Acceptance Tests (FAT) and evaluation of test results
- Expediting delivery dates
- Pre-shipment inspections to prevent damages during transportation

## 3. CONSTRUCTION / EXECUTION STAGE

- Keeping work on schedule and on budget
- Project cost reporting
- Site supervision with regard to timely progress and quality / contractual requirements
- Release of milestone payments to the General Contractor
- Acting on behalf of you in owner-contractor-relationship
- Contract management
- FIDIC engineer
- Documentation control
- Health, Safety and Environmental consulting

## 4. START-UP / COMMISSIONING STAGE

- Preparation of performance testing and hand over to start-up
- Development of punch lists
- Development of document warranty items
- Review and verification of operational procedures
- Commissioning planning and management
- Trial start-up supervision
- Evaluation of test results
- Preparation of maintenance and operating plans

# Value Added Services Along the whole project life cycle

No matter in which sector or which country you operate – TÜV Rheinland’s services support clients during the whole project life cycle ensuring that your projects comply with the international standards and national regulations. We provide you with our services from the studies and definitions stage, through procurement, design, production, construction, shipment, installation, commissioning and put into service, also during the operation phase

We help you to control and efficiently manage your projects, select qualified suppliers, assure the quality of materials and components and avoid delays or budget overruns.

### ABOUT TÜV RHEINLAND

Founded more than 150 years ago, TÜV Rheinland is a global leader in independent inspection and certification services, ensuring quality and safety for people, the environment, and technology in nearly all aspects of life.



**~500**  
locations



**65**  
countries



**>22,000**  
employees

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