Your challenges
Construction of renewable energy projects can be extremely high risk, particularly in the offshore and marine environments. Investors face enormous financial exposure during the planning and construction of these projects, while developers are confronted with vastly complicated logistical challenges. To accurately calculate the financial risks, required construction tasks and logistics associated with these projects, you need a multidisciplinary partner with engineering, technical, construction and project management expertise.

What is project delivery and why is it important for your business?
Project delivery is an engineering and construction support service stream used by utility companies and developers on renewable energy construction projects. Project managers require the project delivery service to ensure the latest technologies and methodologies are used to minimise build time and costs while maximising the operational output.

How can you prepare for this service?
A concise yet thorough brief of the project requirements, based on input from industry and support experts, will ensure that the necessary project processes are fully understood at each stage of the project and properly managed during planning and construction.

How can we help you?
TÜV SÜD has deep expertise, strategic support, management skills and first-hand experience to navigate complex engineering and construction projects successfully. We partner with companies across the globe to provide core project delivery support.

Our services
- Front End Engineering & Design (FEED)
  After the conceptual design or feasibility study, TÜV SÜD provides FEED services to establish technical requirements and an estimated project investment cost. During the FEED phase, we take on the role of engineering
manager and work closely with project owners and operators to come up with project-specific requirements that will avoid significant changes during the execution phase. Our FEED services can be divided into separate packages covering different portions of the project and are used as the basis for bidding the Execution Phase Contracts (EPC, EPCI, etc) as well as the design basis.

- **Construction project management (CPM)**
  TÜV SÜD performs the overall planning, coordination and control of a project from the onset to produce a functionally and financially viable project. We bring all the core or niche skills required, including procurement, to take the project to completion.

- **Project management/owner’s engineer**
  We serve as the independent third party or subcontracted role of owner’s engineer to ensure that the technical and build contractors adhere sufficiently to the project specification. As the owner’s engineer, we also fill resource and expertise gaps in the project.

- **Grid, interconnectors and cables**
  TÜV SÜD has expertise in high-voltage direct current submarine and subsoil power cables (interconnectors) for connecting European electricity markets. Interconnection enhances security of supply and grid stability between countries, creating suitable conditions to develop a new regional market.

- **Electrical engineering**
  Our experts can provide core power engineering design services and know-how in topics such as power electronic converters, machines and control. We also offer modules on power system modelling and analysis, power converters and efficient electricity generation and distribution from renewable sources.

- **Site representation**
  To serve the interests of site safety and project integrity, we provide experienced engineers who can monitor the construction and commissioning activities and respond effectively in emergencies.

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**Your business benefits**

- **Expert partnership** – benefit from our highly qualified and experienced engineering and construction specialists.
- **Enjoy customised solutions** – with our wide range of engineering services designed for the unique needs of each stakeholder.
- **Increase asset value** – by partnering with a globally renowned third-party service provider with a strong reputation for quality and safety.
- **Gain a competitive edge** – through TÜV SÜD’s deep industry experience in project delivery.

**Why choose TÜV SÜD?**

TÜV SÜD is widely known as an independent third-party solutions provider capable of providing impartial and reliable assessment services. We support you with world-class expertise, which includes in-depth familiarity with international directives and regulations. Our global presence allows us to work around the world on your behalf, and you can take advantage of our many local offices for immediate and cost-effective support with premium TÜV SÜD quality. We have specialists from a variety of different engineering disciplines, with decades of accumulated experience in international public, private and joint-sector projects. Our broad portfolio of industrial expertise covers all stages of the asset lifecycle, including in-depth knowledge in technical, environmental and financial areas.

**Choose certainty. Add value.**

TÜV SÜD is a premium quality, safety and sustainability solutions provider that specialises in testing, inspection, auditing, certification, training and assessment 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.

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**Related services**

TÜV SÜD provides the following related services:

- Grid Services
- QA/QC (including pre- and post-shipment)
- Owner’s Engineer
- Environmental and Consenting