Turning wind into power

Expertise and solutions to support the wind power sector globally
Wind power is the key to a cleaner energy future

Global concerns over population growth, energy security and the environment are fuelling the demand for renewable energy resources. Wind power has emerged as a cost-effective, zero-carbon alternative that can help avoid the worst impacts of climate change. TÜV SÜD has proven solutions that clients worldwide can leverage to meet the challenges they face. Our exceptional team and global infrastructure support the entire lifecycle of wind energy projects throughout the capital value chain.

A track record of real-world success

1,200 onshore projects and 50,000 megawatts of offshore projects

Understanding and overcoming challenges

Understanding and overcoming challenges is critical for any wind farm investor, developer or operator to ensure the timely delivery and long term financial viability of a project. The project lifecycle from site selection to construction and commissioning is a complex process that requires multi-disciplinary knowledge and experience. Wind turbines and supplementary components need to be designed to maximise a wind farm’s energy yield. Moreover, projects have to be delivered safely, on schedule, within budget and in compliance with environmental standards. Ultimately, owners and operators want to know how their asset is performing to maximise cost efficiency and energy productivity whilst meeting the current health and safety standards.

A qualified partner and trusted advisor

As an expert with more than three decades of wind power experience, customers trust TÜV SÜD to support their projects through all stages of the asset lifecycle from project feasibility through to operation and finally decommissioning. TÜV SÜD provides products, services and insights to private, public and independent sector organisations. Our multidisciplinary expertise in engineering, technical, financial, due diligence, health & safety, environmental & consenting, construction and project management delivers real project value. TÜV SÜD reviews the design and performance of wind turbines and components, electrical and grid designs to identify and eliminate potential production losses. The result is confidence in reliable wind farms and another step closer to long term security of the world’s energy supply.

Customised solutions for safe, sustainable high-quality onshore, offshore wind, wave and tidal projects

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Wave and tidal technology

Wave and tidal is a growth industry, with new technology coming to the fore there is potential to become a major contributor to global renewable energy production. TÜV SÜD offers a full range of services required by wave and tidal investors, developers and operators.
By aligning our service to our customer’s business goals, we deliver effective and timely solutions

Profiling our service entry points through a capital value chain allows our clients to visualise where we can add meaningful project value, and how our services evolve through the project lifecycle. With in-depth knowledge and unparalleled expertise, our consultants combine practical onshore, offshore wind farm, wave and tidal experience with collaborative functional services. We are passionate about bringing together world-class intelligence and insight to deliver visible results and success for clients.

**Our accreditations**
- ISO/IEC Guide 65, EN 45011 Certification body
- ISO/IEC 17025, Testing Laboratory
- ISO9001:2008
- OHSAS 18001:2007
- ISO14001:2004

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Supporting the wind power sector globally
Over 800 locations in 40 countries around the world

Why choose TÜV SÜD?

World-class expertise
With over 30 years of experience in wind power, we offer fully integrated solutions. Our expertise and industry knowledge allows us to address critical issues and deliver strategic and pragmatic solutions that demonstrate why we are the trusted advisor to some of the world’s leading renewable energy businesses and governments.

Complete range of assessment services
Key to our offering is the combination of 10 collaborative functional services, with deep industry knowledge and unparalleled practical experience. TÜV SÜD can provide expert technical support and customised solutions from site and project assessment through to installation, commissioning and decommissioning.

International accreditation
As a Wind Energy Certification Body, our testing and certification services ensure that your products and projects meet rigorous national and international performance standards and safety requirements in accordance with IEC, GL and EN standards. We have certified more than 100 turbine and component worldwide and over 600 tower and foundation approvals in wind energy projects.

Global presence
With over 800 locations in Europe, the Americas, the Middle East, Asia and Africa, TÜV SÜD is represented in all of the world’s major economic regions. Our specialists are expert partners for international investors, planners, designers, component manufacturers developers and operators, providing local knowledge coupled with global expertise.

Your business benefits

Enjoy customised solutions – with our comprehensive service portfolio designed for the unique needs of each stakeholder throughout the life cycle of a project.

Specialist focus – our unparalleled experience in wind power allows us to deliver a specialist focus not found elsewhere and to address problems that no one else can.

Understand risks and create certainty – through impartial assessments of wind farms to minimise risks in the early stages of a project. This facilitates the decision making process and ensures the reliable development, sustainability and long-term operation of wind farms.

Enhance competitive edge – by leveraging our expertise and deep industry experience in the wind power sector. Our third-party certification demonstrates your commitment to the quality, safety and reliability of wind farms, turbines and components.
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.