

An aerial photograph of a white wind turbine in a field of agricultural land. The turbine's nacelle and part of its tower are visible in the foreground. In the background, several other wind turbines are scattered across a patchwork of green and brown fields under a clear blue sky with a few clouds. A semi-transparent blue rectangular overlay is positioned on the right side of the image, containing white text.

# ACCREDITED WIND & SITE ASSESSMENTS

Reliable, impartial, bankable: Accredited  
wind & site assessment services in accordance  
with DIN EN ISO/IEC 17025:2018 for on- & off-  
shore wind projects

**FICHTNER**

# Accredited Wind Energy Services

From initial idea to successful implementation, during operation and until dismantling of a wind farm, we tend to our client's needs with a wide variety of highly specialized tasks and services. In the field of wind and site assessment, Fichtner offers several services accredited by the German accreditation body DAkkS in accordance with the DIN EN ISO/IEC 17025 standard. Our impartial, highly reliable studies benefit from Fichtner's approved competence and vast experience from projects around the globe as well as a certified integrated management system in accordance with the ISO 9001, ISO 14001, ISO 45001 and ISO/IEC 27001 standards and our specific compliance regulations.

## Independent, competent, certified and recognized worldwide

Highly reliable, independent and competent advisory services and studies are vital for successful wind farm development and implementation, operation and asset management or buying and selling procedures.

Solid wind measurement campaigns, the sound analysis and evaluation of wind measurement data derived from met masts, SoDAR or LiDAR, and the calculation of expected energy yields for on- and offshore wind projects provide a crucial basis for project planning as well as economic estimation and financing, and may be required for regulatory purposes.

The analysis of historical wind energy production data supports the performance analysis of a wind farm and provides an important basis for future yield determination. Whether an operating wind farm shall be commercialized or end-of-life issues shall be evaluated, the analysis and evaluation of post-construction energy yields is of great importance – both onshore and offshore.

Fichtner's wind experts base their work on the most advanced industry standards, norms and guidelines as well as the latest developments in scientific research. Wind field simulations and site assessment studies are performed with a range of models tuned to simple and complex terrain and atmospheric flow conditions alike, supported by several in-house developed tools.

**Fichtner's wind and site assessment services stand for:**

- verified and validated methods and procedures ensuring transparency, reproducibility, comparability and compliance with international standards, guidelines and regulations;
- recurring audits and recertification to ascertain set standards and quality;
- continuous training of our experts, active committee work, regular benchmarking and continuous advancement of our methods that form the basis for trust in our work and studies.

Fichtner's experienced experts make a perfect interdisciplinary team comprising knowledge and know-how of a variety of disciplines covering wind and renewable energies engineering, meteorology, and environmental sciences as well as geography, GIS and remote sensing.

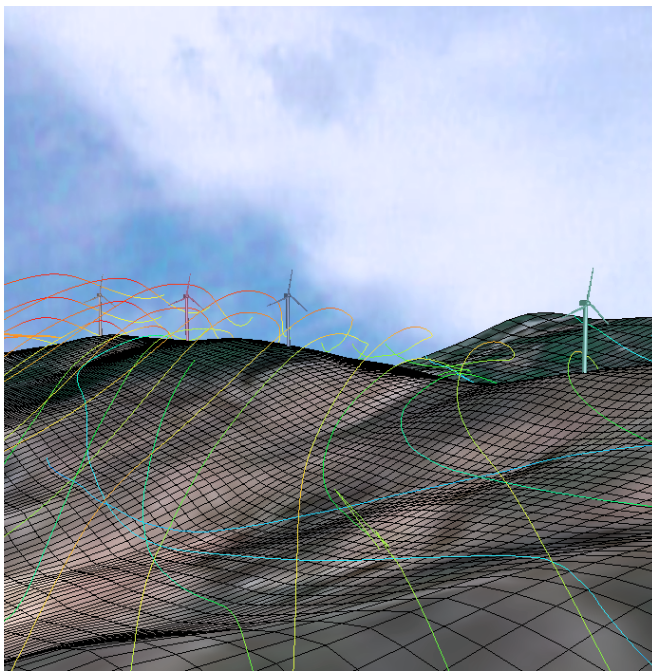
Committee work and participation in scientific research projects round off our wide variety of activities in the field of wind power.

**Fichtner GmbH & Co. KG is an active member of the**

- Wind Expert Advisory Board of the German Wind Energy Association (BWE, Bundesverband WindEnergie e.V.)
- Expert Committee on Wind Potential of the Federation of Wind and Other Decentralized Energies (FGW e.V.)



## Accredited wind & site assessment studies



Fichtner provides the following services in full agreement with the accreditation certificate D-PL-21362-01-00:

- Evaluation of measurement-derived wind data (met mast, SoDAR & LiDAR) and wind resource assessments
- Pre-construction wind resource and energy yield assessments for on- and offshore wind farms
- Postconstruction energy yield assessments for on- and offshore wind farms
- Determination of the wind turbine reference yield and site quality – specific services required for wind farm commissioning in Germany in connection with the Renewable Energy Sources Act (EEG).



In agreement with the accreditation certificate D-PL-21362-01-00, Fichtner GmbH & Co. KG is accredited according to DIN EN ISO/IEC 17025:2018 for several services in the field of wind & site assessment. Via the ILAC Mutual Recognition Agreement, the accreditation is recognized worldwide. The excellence and technical competence of the audited Wind Power Department and the approved procedures and methods applied provide our clients with impartial and highly reliable, bankable results throughout the project lifecycle. Our engagement in various committee work ensures that our experts are familiar with the most advanced industry standards, norms and guidelines, providing cutting-edge, scientifically based work results.

# FICHTNER

Fichtner is one of the leading independent engineering and consultancy firms for infrastructure projects. With its home office in Stuttgart, Germany, and its subsidiaries, affiliated companies, branches and project offices throughout the world, the Fichtner Group can call on a global network of experienced experts for planning and executing projects in the fields of energy, water, environment, transportation and IT. Fichtner's focus is on providing independent consultancy to develop bespoke solutions that best meet the needs of its clients.

Fichtner GmbH & Co. KG  
Sarweystrasse 3  
70191 Stuttgart  
Germany

Phone: +49 711 8995-0  
Fax: +49 711 8995-459  
info@fichtner.de  
www.fichtner.de

