



Industrie Service

**Choose certainty.
Add value.**

Feasibility Studies by TÜV SÜD – For Successful Projects Right from the Start.

For the successful realisation of a wind farm project, many aspects must be taken into consideration. At project completion all stakeholders should be satisfied: planners and designers, the authorities involved, the relevant energy supplier, the manufacturers and the local residents.

To address the risks before they can turn into problems and to correctly assess the potential offered right from the outset, the question of feasibility and the resulting profitability must be analysed at the start of each project. A feasibility study delivers the answers. Leave the preparation of such a study in the capable hands of a reliable partner: TÜV SÜD.

Our experts assemble all the information needed to assess the feasibility of your project. We analyse, compare and interpret the data. You obtain a complete overview of the relevant site-related factors (e.g. free-stream conditions, infrastructure, grid

connection, regional planning provisions, etc.). Within the course of this activity, we examine every single factor. We explain their interconnections and use these results to derive the quality of the site and the feasibility of your project.

To assess the energy potential of a site, and thus the profitability of the project, data must be obtained from existing plants, meteorological institutes or own wind measurements. We also assist you in these tasks, and provide a host of services including feasibility studies and risk assessments. Our evaluation of the parameters thus determined will provide you with clear evidence telling you whether, and how, your planned project will be feasible.

We, TÜV SÜD's experts support your project from concept to commissioning and beyond. We look forward to hearing from you.

TÜV SÜD Industrie Service GmbH

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www.tuev-sued.com/windenergy

Choose a Qualified Partner for Your Feasibility Study: TÜV SÜD

TÜV SÜD Services

- Site acquisition
 - Infrastructure
 - Feed-in conditions
 - Environmental legislation
 - Regional planning provisions
- Determination of wind potential
 - Installation and interpretation of wind-measurement systems and data
 - Preparation of wind potential maps
 - Wind and energy yield reports
- Risk assessment
 - Assessment of turbulence and extreme winds
 - Stress analysis
- Profitability forecasts
- Power curve measurement
- Cost identification and project costing
- Due diligence

Both manufacturers and owners/operators of plants and installations appreciate TÜV SÜD as an internationally leading provider of engineering and test services with a staff of 4,000, specialising in assessment and advancement of systems. TÜV SÜD's strengths include unparalleled interdisciplinary engineering know-how and outstanding familiarity with all relevant directives and standards.

TÜV SÜD's first-class reputation, worldwide recognition and acceptance are built on technical expertise, high standards of economic and ecological project realisation, impartiality and objectivity. For your benefit.

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