

## Policy Consulting & Studies

Deutsche WindGuard participates in numerous research cooperations. We have undertaken a number of studies focusing on diverse subjects related to the development of wind energy as well as to technological aspects. Furthermore, Deutsche WindGuard uses its extensive experience to support political decisions with regard to the utilization and development of wind energy.

### Three good reasons to choose us for your research project:

- > Practice oriented scientific studies in all areas of wind energy
- > Comprehensive experience in conducting social surveys
- > Noted for cross-sectional skills in technology, economics & renewable energy policies

Our services in the field of scientific studies and political consulting are based on the long term national and international experience that Deutsche WindGuard has accrued after many years. We can draw on well-established contacts in the wind energy sector. Deutsche WindGuard is one of the leading consulting companies in the wind industry, offering services all along the value chain of wind energy projects.

Our technical background in all tasks of wind engineering offers analyses on high scientific standards and comprehensive insights into the wind energy industry. Thus, we can combine extensive knowledge in wind energy technology with our in-depth experience related to renewable energy policy development and make it usable for political decisions or scientific consulting.

WindGuard has proven experience in teh consulting of policy makers and the development of renewable energy legislature. To mention outstanding examples, at several occasions Deutsche WindGuard has acted as a consultant to the German government in the amendment to the German Energy Law (EEG). We also represent Germany in Task 26 "Cost of Wind Energy" of the International Energy Agency (IEA). Moreover, Deutsche WindGuard advises the Federal Ministry for the Environment, Nature Conservation and Nuclear Safety regarding the implementation of the technology action plans for wind energy developed by the Major Economies Forum on Energy and Climate.



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## Project Due Diligence

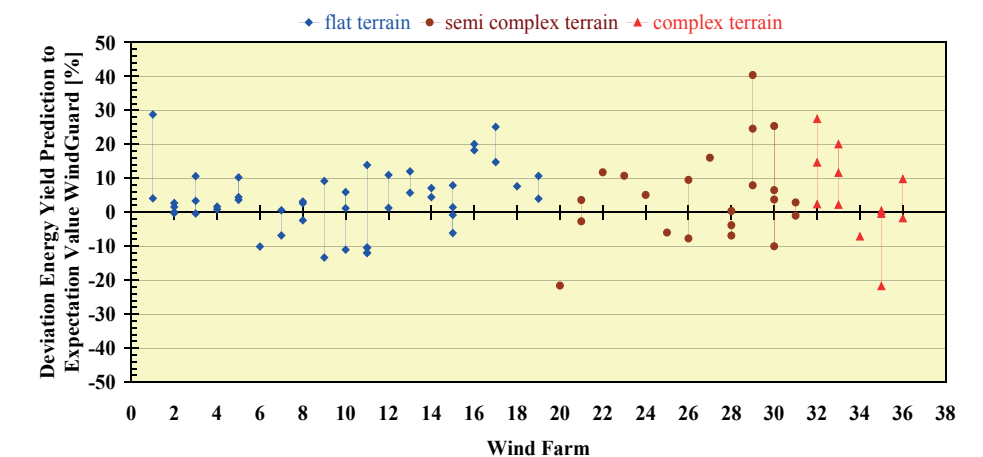
Investors and financiers of wind farms require a detailed analysis of all technical risks linked to the investment. We will advise you on all related questions - from the review of yield predictions to the review of supply and maintenance contracts and technical acceptance down to complete monitoring of the entire wind farm.

### Three good reasons to let us conduct your due diligence:

- > WindGuard has broad experience in all wind engineering tasks
- > Experienced staff capable for discussions and negotiations with all involved parties
- > Guaranteed independent advice!

As one of the leading independent advisers for project developers, banks and investors, we offer:

- Competent verification and evaluation of yield predictions
- Review of technical planning of wind farms
- Technical review of all contracts
- Detailed risk analysis
- Comprehensive examination of economic planning
- Technical examination of the construction and commissioning
- Long-term monitoring of wind farm performance
- Wind farm analysis and optimization



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## Strategic Due Diligence

No matter whether you intend to take over a hardware provider in the wind energy industry, if you consider investing in a wind farm developer or in a service provider. Deutsche WindGuard provides you with detailed strategic advice so you can make an informed decision.

### Three good reasons to engage Deutsche WindGuard:

- > **Experts with more than 20 years experience in the field & unique business intelligence**
- > **Broad engineering capabilities, covering nearly all aspects of wind engineering:**
- > **You get guaranteed independent advice based on facts, not guesses!**

As one of the leading independent advisors we offer:

- Competent technical due diligence of the intended investment
- Sound market analysis in all major markets
- Excellent industry knowledge
- Fully accepted by all major industry partners
- Skills for discussions and negotiations with vendors and financing parties on all levels

## Wind Turbine Due Diligence

When you choose a wind turbine for your wind farm project, you should have reviewed the turbine design as well as the capabilities of the wind turbine supplier carefully.

### Three good reasons why you should hire us for wind turbine due diligence:

- > **Broad knowledge of all major wind turbine suppliers**
- > **Experts trained in wind turbine due diligence with long experience in all related tasks**
- > **We provide unbiased and independent advice!**

Subjects typically covered by wind turbine due diligence are:

- Review of turbine design, capabilities of the design team, status of prototype testing
- Supply chain analysis and review of quality control and manufacturing
- Review of operating experience and track record
- Review of manufacturer's capabilities and typical behavior in terms of O&M practices, aftersales services, treatment of warranty claims, treatment of clients
- Review of wind turbine purchase and O&M contracts

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## Offshore Consulting Services

For an offshore project, starting with license planning, the planning of execution and construction, to commissioning and operation and maintenance, our experienced engineers will be at your side to share their knowledge, able to take over particular projects or independent services, quickly and efficiently.

### Three good reasons why you need us as your consultant:

- > **We offer proven expertise on all levels of wind energy**
- > **Absolutely independent**
- > **We experienced the total process of realizing an offshore wind farm**

In addition to comprehensive technical advice on all aspects of wind energy utilisation, we are active in the following areas:

#### License planning

Based on own experience, we help you define needed surveys, reports, concepts, approvals etc. for your license and the certification process. We provide certain reports, concepts and surveys inhouse.

#### Planning of construction and execution

For the planning of interfaces, design, building inspection, installation attendance, acceptance and commissioning as well as contract negotiations we provide our know-how concerning foundation, WEC and installation.

#### O&M

We provide conceptual studies concerning WEC, foundations, grid, substation and logistics, assistance for contract negotiations and technical plant management.



#### Offshore training

Deutsche WindGuard offers offshore safety training. This training is based on the international safety regulations BOSIET and was certified by the Germanischer Lloyd in 2009.

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