

- Independent Consulting
- Germany, abroad and off-shore
- Offshore wind farm *Sandbank 24*
- Wind power prediction
- Wind farm management - system *OptiFarm*
- Energy system technology
- Wind-hydrogen systems
- Shadow cast shut off
- Wind energy services
- Research and development
- Training and further education



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About us

Overspeed is an innovative service provider in the wind energy industry. You benefit from our focus on modern, future-oriented methods applied to our consulting services, products and research activities.

Wind energy and IT

There is a focus at Overspeed on the development and marketing of IT products relating to all aspects of wind energy. Included here is *OptiFarm*, our system for remote surveillance of wind farms. This development aims to give wind farm operators a tool that minimises the effort and cost involved in wind farm operation, and optimises business performance. A stand-alone element of *OptiFarm* is *Shadeoff*, our optimising shadow cast shutdown system.

Consulting

Building on 18 years' experience in wind energy, Overspeed is your ideal consultant when it comes to wind potential studies, wind farm layout and management of permit procedures. There is a special focus on projects in "challenging" locations such as offshore and outside Europe. In particular, Overspeed is the main consultant for the "Sandbank24" project, which aims to be one of the world's largest offshore wind farms.

Wind power prediction

Improving our energy supply system by integrating conventional power stations and wind energy is another key aspect of Overspeed activities. That is why we are active in developing and running the operational platform for the Previento wind power prediction system.

Overspeed is also one of the partners responsible for designing and developing the platform for the Anemos wind power prediction system as well as for its installation and operation. The system serves as a basis for various prediction models. Today, eight market or grid operators worldwide use Anemos.

Wind-hydrogen systems

The HyWindBalance project combines wind power with hydrogen storage. This opens up new options for wind energy, such as the supply of scheduled generation on the energy exchange, or balancing power.

Research and development

Overspeed makes a point of using and developing modern processes and methods. That is why the company is involved in several R&D projects devoted to remote surveillance, wind power prediction and offshore maintenance optimisation. It cooperates closely with Oldenburg University and ForWind.

Training and further education

We also apply our longstanding experience in management, consulting, research and development to seminars covering all aspects of wind energy. Furthermore, we contribute to existing courses such as the *Postgraduate Program Renewable Energies* and the *Advanced Course Wind Energy Technology and Management*.

Current projects

- Offshore wind farm *Sandbank24*. Management of grid connection planning, in-depth wind potential studies.
- Wind power prediction system *Anemos*. System development, marketing, operation and maintenance.
- R&D project *HyWindBalance*. Wind-hydrogen systems for use as regulating power stations
- Wind power prediction for utilities (together with Anemos and emsys, Oldenburg)
- University course "Wind Energy Technology and Management" (ForWind, Oldenburg)