



# Offshore wind power: Clean energy of the future

**Sustainable energy is vital in order to preserve our planet, not just for ourselves, but also for generations to come. Offshore wind power is an important element of this vision and ONP Management helps its clients to accomplish this by managing the successful realisation of their offshore wind projects.**

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We all know that commonly used resources are very limited. When it comes to energy supply, our society is looking for new solutions and offshore wind power has become a major player in this field. Wind is an inexhaustible source of energy that does not create dangerous waste and also produces no climate-damaging emissions.

Compared to onshore, offshore wind power plants benefit from higher wind speeds out at sea and generally more persistent wind. Offshore wind farms also create great artificial reefs and rest zones for sea animals.

All of the above is certainly more than enough reason to invest in this environ-

mentally friendly energy form in the future. But where to start? This is where ONP Management comes in. They are the leading experts for offshore wind projects. ONP is committed to the highest technical standards and delivers top-quality technical advisory and consulting services to their clients.

Since the foundation of the company in 2014, ONP has supported a great number of clients and built an impressive portfolio of projects. Dipl.-Ing. Martin Rahtge, one of the four managing partners, explains: "Good project management requires a strong team, experience and determination." Today, ONP has over 25 employees, who individually have been

From left:  
Offshore wind farm North Sea. Photo: © Wolfhard Scheer  
Monopile installation Sandbank. Photo: © Vattenfall  
Jacket loading at Nordsee Ost. Photo: © Wolfhard Scheer  
Monopile installation at Merkur. Photo: © Wolfhard Scheer  
Equipped for the working day offshore.  
Photo: © Wolfhard Scheer  
Monopile installation at Merkur. Photo: © Wolfhard Scheer

involved in the development and installation of more than 4,500 megawatts of offshore wind power throughout their professional careers.

ONP's concepts, from the first development phase to the realisation of a project, are meticulously fleshed out down to the smallest detail. All steps of the comprehensive process of building offshore wind farms can be managed by ONP team members and managing partner Gerd Kroll adds: "Thorough and precise planning ensures success and project certainty."

The company offers services for project development, approval and certification processes, due diligence, investor search, construction management and support during the operating phase. All aspects of offshore wind power projects are covered by ONP competence profile and working with virtual project models or simulations, their experts support the investors efficiently throughout.

ONP managing partner Dr.-Ing. Stefan Woltering explains the importance of an in-depth examination of a potential site and its local given properties such as meteorological, soil and wave conditions. This assessment determines the general design of the wind farm, the pre-selection of the wind turbines, the type of foundation and the cable layout for connecting the offshore wind farm to the grid.

“The early stages of development already pave the way for financial feasibility. ONP executes the planning and optimisation for the project owners,” Woltering expands. “We think out of the box and are able to conquer new territories with innovative solutions. Intelligent operating concepts save costs and increase the return on our customers’ investment.”

Working within the legal framework is absolutely crucial in order to get the permits before construction can commence. Strict safety requirements have to be followed just as much as ensuring seafaring is not affected negatively. ONP knows these

regulations inside out and is able to design projects so they fit the criteria with ease and hence allow for a short and successful approval and certification process.

Another part of the successful implementation of an offshore wind project ONP has proven to handle well is bringing project developers and investors together. During the development cycle of an offshore wind farm, it is common for the ownership to change, partly or even entirely. “Our extensive network enables us to bring market participants together,” explains managing partner Dr.-Ing. Florenz Rogge. ONP performs due diligence services and supervises the evaluation process for owners, investors and outside creditors throughout the entire lifespan of the project.

ONP is the right partner for a wide variety of clients: From investors who already own a project or want to purchase one but lack the necessary know-how, to project developers who are looking for investors and ask ONP to drive their project forward.

Manufacturers and key product suppliers as well as logistic or construction companies can also equally benefit from ONP’s hands-on expertise and comprehensive knowledge.

When founding the company in 2014, German offshore wind projects were dominant in ONP’s business plan, but international activities were always at the back of the minds of the management. Following this strategy, ONP is today also active in international projects and planning to expand the business beyond these first achievements.

As mentioned at the beginning, climate change, renewable energies and the development of windfarms onshore and offshore is a worldwide trend and to be seen implemented in multiple government energy policies.

ONP is able and willing to support this trend in a proactive way.

[www.onp-management.com](http://www.onp-management.com)

