Certified quality for offshore wind farms

We certify offshore projects – independently, proficiently, and reliably.
Hanseatic Power Cert GmbH is a specialist in offshore wind farm project certification. We are officially approved as a certification body by the Federal Maritime and Hydrographic Agency (BSH) and ensure that project certification according to BSH and other standards runs smoothly from the development through to the dismantling of a wind farm.

**Added value thanks to industry expertise**

HPC has a networked team of interdisciplinary specialists at its disposal that is unmatched in the industry. HPC’s experts play a role in the advancement of the BSH standards.

**From the design phase through to dismantling – all from one source**
Combined expertise

Hanseatic Power Cert GmbH was founded in 2008 by competent experts from the offshore wind industry who have all made a commitment to expand renewable energy sources and maintain safety standards. HPC’s combined expertise stems from the engineering fields.

The overarching objective of certifying products, processes, and services is to give every stakeholder confidence that a product, process or service satisfies specified requirements. The value of certification is the degree of confidence relayed by impartial and qualified proof of compliance with specified requirements by a third party.

In addition to the requirements of the Federal Maritime and Hydrographic Agency (BSH), the applicant/operator must satisfy a variety of regulatory requirements and obtain approvals from the BSH, as well as from other competent bodies.

Bodies involved in the approval process include, in particular, the

- **Federal Maritime and Hydrographic Agency (BSH)**
  - Standard for the design of offshore wind turbines
  - Standard for ground investigations and the minimum requirements for the foundation of offshore wind turbines
- **Federal Waterways and Shipping Administration (WSV)**
  - Guidelines to ensure the proper implementation of traffic-based requirements in the area of offshore structures
- **State regulatory bodies for occupational health and safety**
  - Occupational health and safety laws
We know what it takes

The purpose of project certification for offshore wind farms is to assess whether type-certified wind turbines and special support/foundation structures are in line with the external conditions, applicable assembly procedures and electrical installation regulations, as well as other requirements that apply for a particular site.

During project certification, HPC assesses whether the wind, other environmental, electrical grid, and ground conditions at the site are in line with the conditions laid down in the construction documents for the wind turbine type and foundation(s). HPC’s assessment is carried out in accordance with the requirements of the BSH standards and accounts for both the safety and the quality of every component in a wind farm:

- wind turbine generator
- foundation and support structure
- accommodation platform
- inter array cabling
- wind farm substation platform
- transmission line
- grid connection with converter platform

To uphold the operating approval, HPC certifies servicing and maintenance work during the operating phase. At the end of the operating period, it is ensured that dismantling is safe and environmentally sound.

Planning security

HPC ensures that implementation of a certification project is transparent by means of modern project management and a unique document management and monitoring system (DoMaMoS). Combined, these ensure that project certification remains on schedule, which is not just important for banks and insurance companies.
You benefit from our experience, specialised knowledge, and industry expertise

On behalf of the client HPC prepares all statements of conformity and certificates for the BSH approval.

Certification services during the BSH approval phases HPC certifies offshore wind farms
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