# TÜV Rheinland Polska certifications to ensure technological safety of Polish wind farms in the Baltic Sea

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TÜV Rheinland Polska, as an independent certification body belonging to the world's leading certification institution TÜV Rheinland, has prepared a special offer of dedicated quality assurance services for the implementation of Polish Wind Farm projects in the Baltic Sea.

International experience in the offshore wind energy industry over the last 20 years has shown how complex and technologically risky the process of installing an offshore wind farm is.

According to experts and insurance companies, the high frequency and severity of failures recorded so far in the world is primarily due to the lack of a critical approach and appropriate certification in design, construction and operation.

**THIS MAY HAVE THE FOLLOWING EFFECTS:**

- randomness of the applied solutions dictated only by the optimization of prices and schedules
- numerous disputes regarding compensation for improper design, technical workmanship or defects during the warranty period
- unacceptable lack of reliability requirements due to poor quality assurance in the design, manufacturing, transportation and installation processes.

As part of the expected national contribution, i.e. local content in the creation of Polish Wind Energy in the Baltic Sea TÜV Rheinland Polska in cooperation with experienced Polish experts and entities that have been operating in this field on the global market for years offers comprehensive construction quality supervision tools.

In practice, obtaining the International Quality Certificate for the entire offshore wind farm or its subsystems according to the BQS standard means ensuring the assessment of the quality of design, production, installation and commissioning, as well as the planned maintenance strategy of Polish offshore wind farms being built in the near future.

As a result, from the perspective of stakeholders of offshore wind farms in Poland, such as investors, developers, insurers, operators as well as recipients, such certification by TÜV Rheinland significantly reduces the risk of the project and increases confidence in the quality and technological safety of the project, providing objective evidence to all interested parties .

Finally, such certification may constitute an important part of the guarantee for the sustainable and renewable development of Polish offshore renewable energy as a critical infrastructure for the country's energy security.

**IN TOTAL, TÜV RHEINLAND POLSKA, AS PART OF ITS SERVICES FOR OFFSHORE WIND ENERGY, OFFERS, AMONG OTHERS: SERVICES:**

- Contract Engineer
- Certification of Technological Safety of Electrical Infrastructure
- Product Certifications for Turbines and Entire Wind Farms
- Process Certification
- Technical Due Diligence
- Pre-Shipment Inspections (onshore)
- Marine Warranty Survey
- Testing and Specialized Laboratory Services

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data realizacji: 17.04.2023

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