

Paving the way to successful Dutch offshore wind power development

DHI MetOcean Data Portal supports future Dutch offshore wind farms with world's first certified web-based metocean database



Reliable and long-term metocean conditions covering the Dutch North Sea



Cost-efficient design by providing less conservatism based on most advanced statistical methods



Continuing future development support for offshore wind farms in the Netherlands

Challenge

RVO.nl required the establishment of metocean conditions to serve as crucial input for the safe and cost-efficient design, installation and maintenance of wind turbines and their related structures. The data should have been based on state-of-the-art analysis methods and hosted in a reliable and user-friendly web-based database, in order to support subsidy-free tenders.

Solution

Using advanced numerical modelling and performing state-of-the-art analyses on the modelling results, DHI provided the client with accurate metocean conditions (wind, wave, water level and current) for Hollandse Kust (noord), Hollandse Kust (west), Ten Noorden van de Waddeneilanden and IJmuiden Ver offshore wind farms.

All modelling and design data is hosted on our comprehensive web-based database – the [DHI MetOcean Data Portal](#).

Features of the DHI MetOcean Data Portal:

- World's first certified web-based metocean database
- Access to 40 years of time series at all elements
- Access to 40 years of spectral data within 1km grid (offshore wind farms) and 5km grid (offshore areas and cable corridors)
- Instant access to extreme conditions and NSS tables at all elements
- Map of normal and extreme conditions over the Dutch North Sea
- On-the-fly analysis such as weather-windows, scatter tables, altimeter comparison, rose plots etc.
- Following the EU General Data Protection Regulation



Rijksdienst voor Ondernemend
Nederland

'With devoted teamwork from the tender phase till the complete delivery of all products, the performance of the DHI project team and management exceeded RVO.nl's expectations.'

Frank van Erp,
Senior advisor renewable energy, RVO.nl



Contact: info@dhi-group.com



Visit: www.dhi-group.com



More: