

# ORQA data monitoring platform

ORQA (Offshore Risk Quantification Analysis) is the very latest remote technology data monitoring platform designed specifically to capture a full meteorological, environmental, wave, tidal and foundation picture of offshore conditions and inform design, planning and environmental consenting phases for the offshore wind industry.

This innovative platform allows 24/7 offshore multi-data monitoring for the very first time. The ability to accurately measure offshore conditions offers real value to developers of offshore wind farm sites, significantly de-risking the project in the process thus allowing maximum return on investment made by offshore wind developers.

Using the ORQA platform, the following parameters can be measured:

## Hydrological

- Water depth
- Wave height and direction
- Currents

## Environmental

- Bird movements
- Presence of sea mammals
- Water temperature and salinity

## Meteorological

- Wind speed and direction
- Barometric pressure, temperature and humidity
- Precipitation and visibility

## Foundation

- Inclination and deflection
- Internal strains
- Scour

The ORQA platform is a versatile solution which provides developers with a single turn-key option for advanced data collection and consequently risk quantification for offshore development. Clients benefit from the fully customisable nature of ORQA allowing them to choose from advanced data capture options to inform offshore developments with a greater degree of accuracy than ever seen before – benefiting the offshore wind industry by quantifying and mitigating the risks pertaining to individual sites.



Call us today to discuss your offshore wind monitoring requirements.  
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