CASE STUDY
Offshore Wind Farm

Tideland Signal Corporation (Tideland) was selected by RWE Innogy in 2010 for our ability to effectively manage large projects of this magnitude with a competitive package. Tideland’s solution delivery included design engineering, on-site commissioning and maintenance; including full construction, design and management (CDM) capability through our United Kingdom facility. The temporary and permanent marking system supplied included:

- 2NM synchronised temporary markers
- 5NM and 2NM synchronised markers for significant peripheral structure (SPS) and intermediate peripheral structure (IPS) respectively
- 2NM synchronised fog signal stations, an offshore wind farm specific AB-560 with small/500mm footprint was supplied
- Monitoring/control panels with volt-free contacts for connection to SCADA, with integral power supply and back-up batteries
- Factory acceptance test (FAT)
- Commissioning, service and maintenance options with Tideland’s offshore experienced engineers
- 5 Year warranty and product support from a dedicated, reliable project team

Client/Region:
RWE Innogy, United Kingdom

Project Name:
Gwynt-Y-Mor Offshore Wind Farm

Product/Service Delivery:
Temporary and Permanent Marking System for Offshore Wind Farm

BENEFITS
- Compliant with specific requirements of national authorities and with international specifications, such as, IALA recommendation 0-139
- Tideland products exceed the requirements of IALA category 2 with an availability of not less than 99.0% (ref. IALA NAVGUIDE)
- Warranty options that meet client specific project need
- Custom and standard product design for seamless integration with client system
- Monitoring system with integral power supply
Tideland provided product and service solutions as separate packages on-budget and on-schedule. This multi-million dollar project demanded a reliable partner in which would work diligently and responsibly to ensure aids to navigation (AtoN) equipment was configured to meet the exact requirement of the application selected for this project. Tideland designed products for this project that integrated fully into the systems used with Siemens wind turbine generators (WTG).

Tideland's reputation to deliver high quality products and service ensures a positive impact to our clients success rate. Our AtoN solutions promote low maintenance, reduced man-power resources and sustainability. Tideland commits to each and every project marine solutions in which will exceed client expectations and improve success rates that promote longevity.

**Project At A Glance**