

SITE DATA & MODELLING ENGINEER

EMPLOYEE NAME:		DEPARTMENT:
DIRECT SUPERIOR:		AREA:

GENERAL DESCRIPTION

The Interface Team is responsible for the achievement of consistency across the Project from both an engineering and a contractual perspective. Provision of site data across the whole construction team.

The Site Data Engineer is a key team member of the Interface and Construction Services Team supporting the Interface and Construction Services Manager in the different activities he leads.

MAIN ACCOUNTABILITIES

The Site Data and Modelling Engineer shall support the Interface and Construction Services Manager as follows:

- Responsible for the weather forecasts for the Project. Definition of the technical specification and contract negotiation. Assessment of weather down times for the construction works and liaison with Marine Coordination Team for the provision of weather forecast reports.
- Analysis of construction data obtained through the Daily Progress Reports. Correlation of construction information with site data and weather forecasts. Programming in house codes when needed. Maintenance of construction data base.
- Support Package Managers in claims negotiations providing site and weather information as requested.
- Provide advice for the definition of the site specific data gathering strategy during the Project construction and O&M phases. Prepare documentation required for such purpose.
- Management of site specific data measurements, coordinating maintenance contractors of offshore data measurement assets, data processing, etc... Ensure integration of site data measurements into weather forecasts.
- Management of metocean site data. This includes ensuring the Project Team has appropriate data for the different purposes requested, lead the procurement of additional data if necessary and management of data suppliers.
- Undertake metocean data assessments needed for design works.
- Ensure the weather model used by the Project uses the most up to date data at any time.
- Liaise with the Construction and O&M Teams for topics related to the WTG manufacturer: site suitability study, power curve, support to the TSA, SMA, etc
- Liaison with the Geotechnical Manager when required.
- Liaison with the GIS Team ensuring appropriate site data representation.
- Responsible for the delivery of Project Design Basis used for the design works across the whole Project.

- Support the Independent Verification process, liaising with the Independent Verification Body ensuring the site data, data processing methodologies and Project Design Basis are fully verifiable.
- Provide ad hoc support to specific tasks different from the ones listed above.
- Support other projects providing relevant site data information when requested.

RESOURCES MANAGEMENT

PEOPLE: 0 direct reports

EXPENSES: N/A

REQUIREMENTS

EDUCATION: Degree in Engineering or Physics (M.Sc.). Other technical background can be considered as well.

REQUIRED PROFESSIONAL EXPERIENCE: Between 3 and 5 years. 2 years in wind farm engineering; Knowledge in offshore wind farm design will be considered a plus.

REQUIRED KNOWLEDGE: Knowledge on structural design processes and in offshore installation is required.

Proficient knowledge of Meteocean measurement and dynamics analysis.

Microsoft Office software; basic knowledge Matlab, C+, and statistical methods.

Proficient knowledge of Metocean Resource Techniques.

LANGUAGES: Ability to read, write and speak English fluently, Spanish and Portuguese a plus

COMPETENCIES:

Ability to communicate across all levels of an international organization; ability to interact with suppliers, meet deadlines, work within approved budgets and can demonstrate strong optimization skills; ability to travel; flexibility to take over on tasks and responsibilities out of the area of expertise.