

## R&D Mechanical Engineer

- Position:** R&D Mechanical Engineer  
**Qualification:** BEng in Mechanical Engineering or Similar  
**Location:** M1 Corridor, Greenore, Co. Louth (combined with remote working)

### About XOCEAN

XOCEAN is an ocean data company – we collect data for clients ranging from mapping the seabed to monitoring the environment. However, we do this differently, instead of using conventional crewed survey ships, we have developed a marine robotic system known as an Uncrewed Surface Vessel (USV).

### Overview

Analyse, design and test performance and capability improvements to the USV system.

### Main Duties & Responsibilities

Responsibilities will include:

- Analysis of potential developments to the USV system, including through analysis of USV operational data e.g. power system performance.
- Mechanical design using CAD tools of USV internals, externals, ancillary equipment and interfaces (brackets, frames, adapters etc) for fitting new equipment and sensors to the USV. 'Design' includes geometry, performance, manufacturing, assembly and cost considerations, as well as drawing production.
- Presentation & communication of analysis and designs to senior management.
- Production of high-quality calculations, drawings, reports, manuals and Standard Operating Procedures (SOPs).
- Management of external suppliers and manufacturers in relation to R&D programs.
- Design and management of R&D test programs, both at bench level and full scale.

### Requirements: Essential Skills / Attributes and Experience

- BEng in Mechanical Engineering or Similar
- 5 years' experience in a similar position.
- Ability to analyse data and seek innovative solutions.
- Practical approach to work with an emphasis on simplicity of design and operation.
- Enthusiastic, positive and proactive nature with a keen attention to detail.
- Excellent interpersonal, communication, presentational and team working skills.
- Experience with 3D CAD systems essential. XOCEAN use Fusion 360. Experience in other packages is sufficient together with a willingness to re-train.

### Desirable Experience

- Marine experience (e.g. sailing).

### Apply

- Applicants must demonstrate how they meet the essential criteria. Desirable criteria may be used for further shortlisting.
- We thank all candidates for their interest, however due to very high volumes, only those who are selected for further consideration, will be contacted directly.
- To be eligible for this position you must have a valid working visa / permit to work in Ireland.
- Closing date for applications is 15th December 2020.
- Please apply online and follow the instructions, or submit your CV to [careers@xocean.com](mailto:careers@xocean.com).