

Electrical Design Engineer

Position: Electrical Design Engineer
Company: XOCEAN Ireland
Qualification: BEng in Electrical/Electronic Engineering or Similar
Location: M1 Corridor, Dundalk or Greenore, Co. Louth (travel will be required)

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 Unmanned Surface Vessel (USV).

Overview

Lead the electrical design, and support the build and commissioning activities of XOCEAN's new and existing fleet of USVs.

Main Duties & Responsibilities

The role will be wide and varied. Responsibilities will include:

- USV electrical & control system design in support of XOCEAN's technology roadmap, including addition of new systems and features to the XOCEAN USV platform, integration with 3rd party systems and vehicles, design of future vessels, reliability and performance improvements.
- Ownership of the electrical schematics, bill of materials & I/O schedule.
- Provide electrical / technical oversight in the XOCEAN workshop to identify improvements and develop clear, repeatable procedures and controls enabling improved performance.
- Develop a deep understanding of XOCEAN technology, work practices and operations and develop pro-active measures to maximise fleet productivity.
- Supporting USV fitout and maintenance activities according to agreed standards and upgrades.
- Assist with control system troubleshooting & provide technical support to the XOCEAN Fleet.
- Perform Root Cause Analysis (RCA) and propose permanent preventative action (PPA) for improvements.

Requirements: Essential Skills / Attributes and Experience

- BEng in Electrical Engineering or Similar
- 3-5 years electrical design experience using (Eplan, Solidworks Electrical or similar)
- Ability to 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.

Desirable Experience

- Hands-on electrical/control panel wiring experience.
- DC Generator/Inverter/Battery system design.
- PLC Code & SCADA development experience.
- Marine experience (e.g. sailing) advantageous.

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.
- Candidates must have a valid working visa / permit to work in the country in which they are based or for Ireland.
- Closing date for applications is 26th November 2021.
- Please apply online and follow the instructions, or submit your CV to careers@xocean.com