

Unmanned Surface Vessel (USV) Pilot & Surveyor

Position: Unmanned Surface Vessel (USV) Pilot & Surveyor
Reporting to: Operations Manager
Location: M1 Corridor, Greenore / Dundalk, Co. Louth, but travel will be required.
Term: Permanent, full-time hours

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).

Main Duties & Responsibilities

As it is a small business now, the role will be wide and varied. Responsibilities include:

- Safe navigation of the USV in compliance with COLREGS.
- Development of passage plans taking into account features such as tides, traffic density, navigational hazards and other local factors.
- Interpretation of weather data before and during missions to ensure the safe operation of the USV.
- Preparation of marine risk assessments for USV missions.
- Keeping watch on cameras for other marine traffic in the area including buoys, fishing gear and any other potential hazards to the USV.
- Keeping watch, using external services such as marine traffic.
- Maintaining mission logs including vessel systems.
- Route planning of USV using QINSy or similar software.
- Survey system management including data acquisition and monitoring of sonar equipment operation (training to be provided).
- Review and basic quality control of survey data, adjustment of equipment parameters and survey plan as required to ensure delivery of data to client specification
- Piloting of USVs from XOCEAN's control room on a 24-hour shift operation schedule.
- Compliance with and execution and promotion of Health and Safety standards on site at all times.
- Responsible for training other team members to the required standards, including coaching and mentoring of others
- Managing and maintaining Quality, Environment and Health and Safety Standards for Marine Operations

On occasion this role may involve:

- Mobilisation of USV's for projects including road transport to project locations. Preparation and launch of USVs at project location and on water escorting of USV to harbour limits. Demobilisation of USV post mission.
- Testing of USVs including launching and operating USV/RIB in Lough/Irish Sea or other as required.
- Fitout of required sensors to USVs prior to survey missions.
- Implementing, maintaining, managing and updating all standard operating procedures and processes appropriate to the role.

Requirements, Essential Skills / Attributes

- Full clean driver's licence.
- Relevant marine qualifications such as Yachtmaster, Coastal Skipper, ICC (or equivalent).
- Strong computer literacy (MS Office, Web applications).
- Enthusiastic, positive and proactive nature with a keen attention to detail.

Desirable Experience

- Understanding and experience of marine survey systems (e.g. QINSy, EIVA etc)

Apply

- Applicants must demonstrate how they meet the essential criteria. Desirable criteria may be used for further shortlisting.
- Please email CV and cover letter to careers@xocean.com.
- Closing date for applications is Friday 3rd April 2020