

**THE EUROPEAN MARINE ENERGY CENTRE**  
**JOB DESCRIPTION AND PERSON SPECIFICATION**  
**ENGINEERING TECHNICIAN (Graduate)**

**Reports to:** Operations and Maintenance Manager

**Purpose:** Maintain and operate EMEC's assets to a high standard, assist with the safe operation of EMEC sites and support the delivery of R&D projects.

**Responsibilities:**

1. Assist with the installation and integration of new, temporary or permanent offshore and onshore assets that belong to EMEC or other parties.
2. Establish, carry out and document maintenance programs on all EMEC assets; fixed, mobile, onshore, or offshore. Maintain records of all inspection, maintenance, and operational activities in EMEC's digital Asset Management System (AMS).
3. Carry out tasks to ensure compliance of EMEC's assets as instructed with relevant legislation and ensure certification is maintained (i.e. calibration, safety related) along with compliance with EMEC's Safe Systems of Work.
4. Act as a point of contact to EMEC's suppliers, partners or developers for site and project related operational activities as and when instructed.
5. Maintain awareness and adherence to QHSE procedures and good practice as detailed in the EMEC's Integrated Management System. Maintain familiarity with up to date industry best practice and standards.
6. Respond to failures of EMEC equipment or equipment owned by others on EMEC sites as instructed.
7. Work closely and flexibly with all EMEC staff from across the business.
8. Ensure that the EMEC Integrated Management System is adhered to and assist the Quality Manager and others with identifying and progressing improvement actions, supporting EMEC's accreditation by the UK Accreditation Service (UKAS) or other relevant body.
9. From time to time carry out other assignments which may differ from the above as instructed by the Operations & Maintenance Manager.

**Reports:** There are no direct reports to this position, but the incumbent may be required to supervise sub-contractor personnel who carry out certain functions for EMEC.

## Person specification

### Education

Essential HND or recognised equivalent in an engineering discipline.

Desirable Marine, mechanical, process or electrical related qualifications. Experience of HS&E systems and participation in such.

### Skills and knowledge

Essential Good numeracy and written communication.  
Computer and IT/OT proficiency, familiarity with instrument systems.  
Good communication skills and strong customer focus.  
Able to plan and organise work to meet strict operational deadlines with a particular attention to detail.  
Able to work flexibly, and alone at times, with ability to prioritise.  
Able to interpret technical documentation such as P&IDs, SLDs, PFDs and schematics.

Desirable Interest in renewables, good knowledge of local geography.  
Specific knowledge of measurement and control systems.  
Knowledge of QA systems e.g. ISO 9000 series.  
Knowledge of small vessel / workboat operations and associated marine regulations.

### Personal attributes

Essential Flexible in terms of working hours.  
Team worker; self-motivated; high sense of responsibility and integrity.  
Able to work unsupervised, frequently as a lone worker  
Excellent attention to detail and accuracy.

### Experience

Essential Background knowledge in relevant engineering disciplines. Familiarity with Safe Systems of Work and HS&E requirements.

Desirable Experience with electrical and electronic systems, marine engineering experience, QA schemes, renewable engineering, hydrogen generation, processing or dispensing systems experience.

### Special conditions associated with the role

1. The role will be based in Orkney with the requirement for postholders to be located within Orkney
2. The role will involve periods working at EMEC's other sites, onshore and offshore.
3. From time to time the role will involve working offshore, and in hazardous environments with potential explosive atmospheres and chemical process plants where high pressure may be present.
4. The role may involve occasional work outside of core hours and emergency call-out.
5. Available to travel outside of Orkney and the UK to visit suppliers, clients, conferences or trade events.