



**WORKING**

**Job Title**

**Naval Architect**

**Contract Type**

**Permanent**

**Salary Range**

**£35 – 50 K depending on experience**

**Location**

**Inverness**

**Role Purpose**

**To lead the naval architecture and mooring systems development for the technology of choice for utility scale offshore wave power generation**

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**RESPONSIBILITIES:**

- Naval architecture, design and specification of hulls / structures for wave power systems
- Design development, analysis, and specification of moorings for wave power systems, including cost benefit studies and risk assessments
- Conceptual design and development of marine operations relating to device and mooring deployment, recovery and servicing
- Conceptual design of personnel and equipment transfer to/from the AWS-III at sea
- Stability, motion response and towing assessments
- Specification of design cases for extreme loadings and survival conditions
- Management of external consultants, suppliers and contractors
- Report writing, project documentation, test & commissioning records, etc

**RELATIONSHIPS – INTERNAL/EXTERNAL:**

**Internal:**

- Reports to Chief engineer
- Works with other team members
- Collaboration with AWS internal R & D team

**External:**

- Management of external design and equipment supply contractors
- Technical liaison with customers as required
- Site inspection and contractor management



## **EDUCATION/TRAINING:**

### **Essential:**

- **Honours degree in Naval Architecture**

### **Desirable:**

- **Chartered Naval Architect**
- **Experience in large ship or offshore structure design**
- **Experienced with analysis of marine structures**
- **Experienced with the use of mooring and motion response software (e.g. Orcaflex)**
- **Familiarity with ocean physics and met ocean data**
- **Familiarity with offshore design codes**

## **SKILLS, KNOWLEDGE & EXPERIENCE:**

### **Essential:**

- **Experience in large ship or offshore structure design**
- **Experienced with analysis of marine structures**
- **Experienced with the use of mooring and motion response software (e.g. Orcaflex)**
- **Proficient use of engineering software tools including spreadsheets, MathCad, etc.**

### **Desirable:**

- **Familiarity with ocean physics and met ocean data**
- **Offshore operations experience**
- **Experience in new product engineering and major project delivery**
- **Experience as engineer with major OEM or engineering consultancy**
- **CAD / FEA / CFD skills**



## **ATTRIBUTES/CHARACTERISTICS**

### **Essential:**

- **Wishes to be part of the team that develops and delivers THE technology of choice for utility scale offshore wave power generation**
- **Established professional naval architect**
- **Practical, problem solving 'can do' attitude**
- **Excellent oral & written communication skills**
- **Able to work under pressure and take initiative when required**

### **Desirable:**

- **Good team-worker**
- **Well organised**
- **Good documentation management**
- **Methodical approach to design**

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## **CONTACT:**

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