



WORKING

<b>Job Title</b>	<b>Mechanical Engineer</b>
<b>Department</b>	<b>Engineering</b>
<b>Reports to</b>	<b>Chief Engineer</b>
<b>Contract Type</b>	<b>Permanent</b>
<b>Salary Range</b>	<b>£25 – 35k</b>
<b>Start date</b>	<b>Immediate</b>
<b>Location</b>	<b>Inverness</b>

#### **Role Purpose**

**AWS require a Mechanical Engineer to perform Engineering design and drawing function to support the Engineering team.**

**The successful candidate will apply their technical expertise and experience in a professional manner in order to support the achievement of varied project objectives.**

**The Mechanical Engineer will control and administer specific sub-level work packages, as directed by the Chief Engineer. He/ she will be responsible for compliance with specified codes, standards and design requirements for each job as well as approval of drawings, designs and writing and approval of specifications.**

**The Engineer's function involves design layouts, calculations, reviews and verification and assisting with design prototype testing to verify that the functional and design criteria are being achieved.**

**The successful candidate will provide effective design solutions to processes and components associated with our wave energy device.**

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#### **RESPONSIBILITIES:**

- Produce conceptual and detail design solutions to engineering problems associated with the wave energy device, test rigs and associated systems
- Stress and other calculations to support designs
- Work within a multi-discipline project team on specific aspects of the wave energy device
- Develop testing and evaluation strategies and write product specifications
- Manage design and manufacturing contractors, write work scopes and analyse proposals
- Write health and safety risk assessments and method statements for safe operation of component and system testing
- Component/ Process design & drawing verification
- Ensure/ Audit compliance to specified design standards
- Participate in design review meetings, reliability studies, risk analysis etc
- Conduct design reviews to establish optimum solutions
- Ensure correct storage of project documentation
- Arrange workload in line with project schedules



## **RELATIONSHIPS – INTERNAL/EXTERNAL:**

### **Internal:**

- Engineering team
- Report to Chief Engineer

### **External:**

- Suppliers
- Subcontractors

## **EDUCATION/TRAINING:**

### **Essential:**

- A good degree in a relevant engineering discipline

### **Desirable:**

- Membership of a Professional Institute

## **EXPERIENCE:**

### **Essential:**

- At least two years' experience in a relevant environment (marine, offshore, power, water, etc)

### **Desirable:**

- Subcontractor management

## **SKILLS/KNOWLEDGE**

### **Essential:**

- Skilled in numerical analysis
- Working knowledge of 3D CAD: Solidworks, Autodesk Inventor, etc...

### **Desirable:**

- Experience of steel fabrication, site works and yard processes



## **ATTRIBUTES/CHARACTERISTICS**

### **Essential:**

- **Good written/ oral communications skills**
- **Good team player**
- **Well organised**
- **Good documentation management**
- **Proactive approach to design**
- **Good problem solving skills**
- **The ability to work under pressure**

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### **CONTACT:**

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