

<b>Job Title:</b> Graduate Electrical Design Engineer	<b>Location:</b> Hunmanby, Headquarters
<b>Department:</b> Production Development	<b>Contract:</b> Full-Time /Permanent
<b>Reports To:</b> Production Development Manager	<b>Direct Reports:</b> N/A

### 1.0 Job Summary & Role

Deep Sea Electronics is one of the world’s top manufacturers of generator controllers, auto transfer switch controllers, battery chargers and vehicle & off-highway controllers. We employ over 200 people across four continents and sell our products to 150 countries direct from our UK head office and through our comprehensive distributor network.

The successful candidate will join a small team of electrical design engineers within the production test development team. This is a small team who design and manufacture our product test equipment. As the business continues to grow, we have new products to design and develop on-site. Alongside this aspect we are always looking to improve and move the current products to the next level of testing to help support increased output through production.

### 2.0 Key Responsibilities & Main Duties

- Electrical harness design and prototype manufacture
- Installing wiring looms and testing of electrical circuits
- Prototype building and test of electronic boards and modules
- Electronics fault finding
- Understanding of and an ability to produce, electrical schematics
- Working as part of a team, but often using own initiative to solve problems
- Understanding of mechanical drawings
- Create Bill of Materials (BoM) for production test equipment
- Carry out repairs and perform reactive maintenance on production systems and calibration
- Direct liaison with suppliers for technical solutions
- Understand and comply with company policies and procedures including ISO9001

### 3.0 Internal & External Relationships

- The ability to work with other departments to design test equipment and fault find with their test systems
- The main area of support is to production to make sure test equipment is running and functioning correctly, when fixing equipment, it will mainly be on the production line so good communication skills are require to make sure they understand what you are doing, also report back to production line managers when the problem has been fixed or if you will be removing the equipment so they can make alternate arrangement for their staff



#### 4.0 Key Performance Indicators

- Qualified in Electrical, Electronic and Engineering to HND or equivalent level
- Ability to successfully complete tasks within the set timeframes
- Optimum use of working time through effective time management and communications
- Capable of working under minimum supervision, to achieve set targets and timeframes
- High concentration levels and attention to detail
- Working knowledge of electronic equipment, covering both digital and analogue circuitry
- Willing to undertake relevant specialist training where required
- Other duties as and when required to ensure the smooth running of the production area

#### 5.0 Essential/Desirable Factors

Knowledge	
<b>Essential:</b> <ul style="list-style-type: none"> <li>• Understanding of and an ability to produce, electrical schematics</li> <li>• Understanding of mechanical drawings</li> </ul>	<b>Desirable:</b> <ul style="list-style-type: none"> <li>• Electronics fault finding</li> <li>• Understanding of and an ability to produce, electrical schematics</li> <li>• At least two years' experience in electrical skills such as control panel wiring and fault finding</li> </ul>
Skills & Attributes	
<b>Essential:</b> <ul style="list-style-type: none"> <li>• Excellent organisational skills</li> <li>• Excellent communication skills</li> <li>• Excellent IT skills</li> <li>• High concentration levels</li> <li>• Attention to detail</li> </ul>	<b>Desirable:</b> <ul style="list-style-type: none"> <li>• PCB Design and Layout</li> <li>• Installing wiring looms and testing of electrical circuits</li> </ul>
Experience	
<b>Essential:</b> <ul style="list-style-type: none"> <li>• Microsoft Office</li> <li>• Microsoft Visio</li> </ul>	<b>Desirable:</b> <ul style="list-style-type: none"> <li>• Altium</li> <li>• Concord Pro</li> </ul>
Qualifications	
<b>Essential:</b> <ul style="list-style-type: none"> <li>• HND in Electrical, Electronic and Engineering or equivalent level</li> </ul>	<b>Desirable:</b> <ul style="list-style-type: none"> <li>• Educated to a degree level in Electrical, Electronic and Engineering</li> </ul>
<b>Created by</b> Production Development Manager	<b>Dated Created</b> 19/02/2025

