

## JOB DESCRIPTION



<b>Job Title:</b> Electrical Design Engineer	<b>Location:</b> Hunmanby
<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

- Working as part of a team, but often using own initiative to solve problems
- 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
- 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
- Carry out repairs and perform reactive maintenance on production systems
- 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, we also have test equipment in our India and USA office, and we are here to support those too.



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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 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

Essential	Desirable
<b>Knowledge</b>	
<ul style="list-style-type: none"> <li>• At least two years' experience in electrical skills such as control panel wiring and fault finding</li> </ul>	<ul style="list-style-type: none"> <li>• Electronics fault finding</li> <li>• Understanding of and an ability to produce, electrical schematics</li> <li>• Understanding of mechanical drawings</li> <li>• Understanding of and an ability to produce, electrical schematics</li> </ul>
<b>Skills &amp; Attributes</b>	
<ul style="list-style-type: none"> <li>• Excellent organisational skills</li> <li>• Excellent communication skills</li> <li>• Excellent IT skills</li> </ul>	<ul style="list-style-type: none"> <li>• PCB Design and Layout</li> <li>• Installing wiring looms and testing of electrical circuits</li> </ul>
<b>Experience</b>	
<ul style="list-style-type: none"> <li>• Microsoft Office</li> <li>• Microsoft Visio</li> </ul>	<ul style="list-style-type: none"> <li>• Altium</li> <li>• Concord Pro</li> </ul>
<b>Qualifications</b>	



## JOB DESCRIPTION



- Electrical Engineering Qualification

- Electrical Engineering to HND or equivalent level

<b>Created by</b>	<b>Dated Created</b>
Lee Uttley, Production Development Manager	06/02/2025

