

<b>Job Title:</b> Graduate Test and Approvals Engineer	<b>Location:</b> Hunmanby
<b>Department:</b> Test & Approvals	<b>Contract:</b> Permanent
<b>Reports To:</b> Test & Approvals Manager	<b>Direct Reports:</b> N/A

### 1.0 Job Summary & Role

The successful candidate will work within the Test and Approvals department located at the DSE office Hunmanby. They will perform verification and validation activities at a product and system level on new product developments as an integral part of ensuring high-quality products are built by the company.

Full training and support will be provided.

### 2.0 Key Responsibilities & Main Duties

- Develop internal procedures and techniques for verification and validation testing
- Write and execute test scripts and plans for the testing of products as part of a new product development and release process
- Setup test apparatus, including wiring and rewiring of test looms
- Complete test and issue reports as part of testing in a controlled manner.
- Utilise existing and contribute to the development new testing tools.
- Communicate and maintain timing records for time spent on projects.
- Make use of the company documentation, version control system and issue management systems to record findings in a controller manner.
- Obtain product knowledge and assist with new product specification.
- Other ad hoc duties as and when required.

### 3.0 Internal & External Relationships

**Engineering department** – the test and approvals engineer will work closely with the software development team whilst testing the products and communicate the detail of the results.

**Technical Support** – assist technical support with more involved customer queries.



#### 4.0 Key Performance Indicators

- Attention to detail, patience and self-discipline required for software testing.
- Consistently using positive working and communication practices to contribute to software verification.
- Desire to learn and acquire new skills and knowledge for DSE products and applications in order to fulfil completely the role requirements.

#### 5.0 Essential/Desirable Factors

<b>Knowledge</b>	
<p>Essential:</p> <ul style="list-style-type: none"> <li>• Good knowledge of electrical systems theory.</li> <li>• Working with Live voltage.</li> <li>• A good level of understanding of testing types, testing methodologies and software product development lifecycles.</li> </ul>	<p>Desirable:</p> <ul style="list-style-type: none"> <li>• ECU and engine control</li> <li>• CAN and conventional diesel</li> <li>• Hardware in loop testing</li> </ul>
<b>Skills &amp; Attributes</b>	
<p>Essential:</p> <ul style="list-style-type: none"> <li>• Ensure the repeatability of software test plan execution to identify and capture issues during the first test cycle.</li> <li>• Attention to detail, patience and self-discipline required for software testing.</li> <li>• An open attitude for learning and continuous skills development</li> <li>• Able to perform tasks on their own or as part of a team. Teamwork is essential.</li> <li>• Ability to multitask and manage multiple testing activities efficiently.</li> <li>• Good understating and usage of the Microsoft Office package</li> </ul>	<p>Desirable:</p> <ul style="list-style-type: none"> <li>• PLC programming in ladder logic and/or structured text.</li> <li>• C or equivalent programming knowledge</li> </ul>



## JOB DESCRIPTION & PERSON SPECIFICATION



<b>Experience</b>	
<p>Essential:</p> <ul style="list-style-type: none"> <li>• 2-3 years of experience in testing electrical and electronic systems</li> <li>• Good level of experience with diesel engines operation and control</li> <li>• Work as part of a team on various testing projects</li> </ul>	<ul style="list-style-type: none"> <li>• Previous experience in power generation, diesel generators and microgrids</li> </ul>
<b>Qualifications</b>	
<p>Essential:</p> <ul style="list-style-type: none"> <li>• BTEC or HND in electrical engineering</li> </ul>	<p>Desirable:</p>

<b>Created by</b>	<b>Dated Created</b>
T&A Department Manager	06/02/2024

