DSE®

Job Title: Test and Approvals Engineer	**Location:** Hunmanby
Department: Test & Approvals	**Contract:** Permanent
Reports To: Test & Approvals Manager	**Direct Reports:** 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

Knowledge	
Essential:	**Desirable:**
- Good knowledge of electrical systems theory. - Working with Live voltage. - A good level of understanding of testing types, testing methodologies and software product development lifecycles.	- ECU and engine control - CAN and conventional diesel - Hardware in loop testing
Skills & Attributes	
Essential:	**Desirable:**
- Ensure the repeatability of software test plan execution to identify and capture issues during the first test cycle. - Attention to detail, patience and self-discipline required for software testing. - An open attitude for learning and continuous skills development - Able to perform tasks on their own or as part of a team. Teamwork is essential. - Ability to multitask and manage multiple testing activities efficiently. - Good understating and usage of the Microsoft Office package	- PLC programming in ladder logic and/or structured text. - C or equivalent programming knowledge

Experience	
Essential: • 2-3 years of experience in testing electrical and electronic systems • Good level of experience with diesel engines operation and control • Work as part of a team on various testing projects	• Previous experience in power generation, diesel generators and microgrids

Qualifications	
Essential: • BTEC or HND in electrical engineering	Desirable:

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