

Job Title: Engineering Manager	Location: Hunmanby
Department: Test and Approvals (T&A)	Contract: Permanent
Reports To: Technical Director	Direct Reports: Up to 10 engineers/supervisors

1.0 Job Summary & Role

The Engineering Manager for the Test and Approvals department will lead a team in the verification and validation of product lines for Deep Sea Electronics.

The Deep Sea Electronics' T&A Department forms part of the engineering function for the Controls and Automation (C&A) Business group, a subsidiary of the Generac Power Systems, that includes the Germany based Motortech.

The role will develop an individual with a deep working knowledge of the market leading DSE range of power generation control and automation products and programmable devices for the off-highway applications.

The T&A Department is split across two sites, Hunmanby North Yorkshire and a site in Mansfield. As such, regular travel between these two sites will be necessary.

2.0 Key Responsibilities & Main Duties

- Line management of the Test and Approvals Engineering Team
- Line management includes day to day task management, 1:1 appraisal, goal setting, creating and guiding personal development plans, holiday approval and sickness review
- Work collaboratively with the Project Managers to review the content of development projects and provide estimate for test work
- Produce test plans and work with Project Management to manage day to day testing work by allocating tasks to engineers
- Review and be responsibility for testing work to ensure a high standard of output
- Ensure the engineers have the necessary skills, knowledge, and tools to complete the tasks. Work with the department manager to address gaps as necessary
- Manage the T&A facilities and building space, including HIL rigs, EMC labs and apparatus, Environmental chambers and other test equipment
- Identify and introduce KPIs for the improvement of product quality
- Work at the early project stages to review specifications and ensure products and requirements are testable
- Ensure the team understands requirements, product functionality and test plans, such that they are carried out completely and correctly
- Provide technical guidance, make decisions and be a mentor to junior engineers
- Development of in-house tools and process



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- Support the wider company by answering technical questions
- Administration and maintenance of documentation forming part of the quality management system
- Review department KPIs to ensure targets are being hit

3.0 Internal & External Relationships

Project Managers – assign resource, review project plans, specifications, be an essential part of the project delivery

Technical Support – assist technical support with customer queries

4.0 Key Performance Indicators

- Lead a team in the execution of repeatable verification and validation activities to ensure products are of a high quality and fit for purpose
- Maximised team efficiency and throughput focusing on project delivery
- Individual and promoted professionalism
- Personal development of direct reports
- Communication skills, ability to communicate technical issues to wider audience with clarity and precision
- Grow application and product knowledge

5.0 Essential/Desirable Factors

Knowledge	
<p>Essential:</p> <ul style="list-style-type: none"> • Software development life cycles, tools and processes • Verification and validation techniques and for both hardware and software • Continuous development, continuous integration and automated testing 	<p>Desirable:</p> <ul style="list-style-type: none"> • Electrical and electronic products • Knowledge of the power generation industry and control solutions • Functional safety and cyber security • Exposure to off highway and mobile industry • CE and other regulatory approvals
Skills & Attributes	
<p>Essential:</p> <ul style="list-style-type: none"> • Excellent written and verbal communication skills • Familiar with combined stage gated (waterfall) / agile development approaches. • Comfortable communicating with technical engineers • Used to working to a high-quality standard, high expectations and an eye for detail • Good communication skills and ability to discuss product development and areas of risk • Enthusiastic and optimistic 	<p>Desirable:</p>



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Experience	
<p>Essential:</p> <ul style="list-style-type: none"> Experience working within an engineering department at a senior level, ideally in the V&V function Software testing Used to working in a high-paced environment 	<p>Desirable:</p> <ul style="list-style-type: none"> Atlassian tools, JIRA and confluence Smartsheet's for project management SharePoint
Qualifications	
<p>Essential:</p> <ul style="list-style-type: none"> Engineering degree in electrical or electronic engineering 	<p>Desirable:</p>

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