



JOB DESCRIPTION

Job Title: Electronic Design Engineer

Reports to: Engineering Manager

Based at: Saab Seaeye Limited, 10 Barnes Wallis Road, Segensworth East, Fareham, Hampshire, PO15 5TU

Job Purpose: To create design solutions for electronic/electrical products in underwater vehicles in line with the company's business needs through innovation, creativity and professionalism.

Scope: To work with minimal supervision either on your own or within project teams. You may be required to manage projects, this will require you to direct and co-ordinate project activities within the Engineering Department and other areas of the business such as Purchasing, Operations, Sales and Logistics.

Essential Skills:

- In depth knowledge of BLDC motors – 1kW+
- Knowledge of motor control theory
- Proven hardware design experience
- Proven experience of knowledge of design for EMC compliance
- Development of test procedures and requirements specifications
- Experience of conducting hardware qualification testing
- Fault finding and defect resolution
- System level integration and testing
- "Hands on" approach to the above
- Bachelor's degree from an accredited college in a related discipline, or equivalent experience/combined education, with extensive professional experience.

Desirable skills:

- Design of electronic products from specification through design and test, to production.
- Analogue (small signal and power) and digital electronics
- PSU design, with an output of 10's kW, at several kV.
- Power transmission and power factor correction
- Knowledge of electrical wiring regulations
- Solid state protected power switching
- Control gear
- LTSpice simulation
- Orcad schematic

Saab Seaeye Ltd

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No 02022671

VAT No
566 6513 17



- Office software suite
- Video technology
- Fibre optic technology
- Current knowledge of Maritime standards

General accountabilities and responsibilities:

- To use personal judgement and initiative to develop effective and constructive solutions to challenges and obstacles in day to day activities and procedures within the specified role.
- To maintain personal ability in, and appropriate use of, all relevant IT (Information & Technology) and other systems required to adequately perform the role.
- To act ethically, with integrity and in the best interest of the business at all times.
- To maintain a professional and supportive relationship with team members and other departments in order to deliver business and delivery objectives or deadlines.
- To carry out any other duties as detailed by your Supervisor or Manager from time to time.
- To keep good time management to minimise any wasted time and maximise productivity and effectiveness.

Quality, health, safety and environment (QHSE)

- Cooperate with the company to achieve a healthy, safe and sustainable working environment
- Work in ways that ensure your own safety and that of others; “Do the right thing even when no one is looking.”
- Report any incidents, near misses or other health, safety and environmental concerns
- Deliver all products and services in line with Saab Seaeye quality standards to ensure we meet our customer requirements and highlight any quality concerns or potential improvements.

The role is based full-time on site at our Fareham premises, attracts a full benefit package and competitive salary. Please apply stating salary expectations and availability.

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