

Job Description

Job Title:	Senior Electronics Engineer	Job Holder:	
Division:	Engineering	Grade:	CC/SC
Discipline Area:	Electrical & Electronic	Last Updated:	

Job Purpose:

As an SEA Electrical & Electronic Team Leader you will take responsibility for the electrical and electronic design and development of our products. The job holder will utilise state-of-the-art methods, technology and tools to explore all aspects of the development lifecycle, engineering analysis, requirements analysis, design, implementation, test, build and product support. The job holder will interface with customers (internal and external) on many factors within the design and liaise closely with Engineers from other disciplines, particularly Systems and Software Engineering.

Responsibilities:

- Take responsibility for the electronic development and delivery of a variety of Electro-mechanical Systems supplied by SEA working to agreed cost, time, and quality.
- Provide technical support to a small multi-disciplinary team of Engineers on specific projects.
- Seek and share good practice and knowledge locally to continuously improve own practices.
- Provide support to the learning and development of other Engineers within SEA through mentorship and expert advice.
- Support and facilitate reviews and approvals of electrical & electronic designs in accordance with business and industry standards.
- Provide input to Company standards pertaining to Electrical and Electronic Engineering including calculations, CAD models, manufacturing drawings & schematics and technical reports.
- Support SEA products through manufacturing, assembly, installation, and service life.
- Support the preparation and submission of bids and proposals, including interfacing with customers and suppliers and generating engineering estimates.

Key Result Areas:

The jobholder will be expected to:

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- Contribute to the design and develop Analogue and Digital Electronic Circuits
- Experience of PCB design from Schematic capture to PCB layout using Altium
- Experience in the design and manufacture of Electro-mechanical Systems.
- Ability to follow a methodical/systematic approach to analyse and solve problems, identifying key facts and breaking down complex information to components parts.
- Full lifecycle experience from requirements decomposition to acceptance and user sign off on multi-disciplinary programmes.
- Experience of requirements capture, analysis, V&V and configuration management;
- Excellent communication and collaboration skills.
- Able to produce clear and concise technical documentation.
- Demonstrable ability to plan and execute technical assignments.
- Currently hold or be eligible and willing to obtain SC security clearance.
- Able and willing to travel occasionally within the UK and Overseas as required.

Values:

- **Safety First** – We operate safely and responsibly, protecting each other and the environment.
- **One SEA Team** – We are in this together. One team, working ethically, respectfully & professionally. We take responsibility and challenge each other constructively
- **People Focussed** – We all contribute to making our culture one that is supportive and empowering; where everyone can grow and develop, feel valued and rewarded. We prioritise a healthy work-life balance
- **Delivery Excellence** – We exceed our commitments by delivering timely, quality outputs whether that's for each other or our clients and partners. We are always looking for ways to innovate and continuously improve
- **Trusted Partners** - We partner strategically, collaboratively and always with integrity, whether that is between us inside SEA or externally

Training: (if applicable)

Internal training on Umbraco (Website and Intranet site)

Reporting Line

The jobholder will report to the Electrical & Electronic Head of Discipline

Job Location

The job will be located at the Barnstaple Office



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Job Holder Declaration:

I accept the purpose and key result areas of my role with SEA are as outlined above.

Signature: _____ Date: _____

Line Manager Declaration:

I confirm that the purpose and key result areas of this role are as outlined above have been agreed with me as line manager.

Signature: _____ Date: _____