

Job Opportunity

System Design Authority (SDA) Submarine Systems

Purpose of job

The SDA is an important role, central to Submarine Systems divisional delivery and future business growth.

Our SDAs are responsible for the overall technical leadership and systems engineering of the solutions which we provide. They lead in the development of these solutions from initial concepts through to their acceptance by our customers. Beyond acceptance, they retain technical ownership and authority for the design of our systems as these are used, supported and modified through life.

The role requires our SDAs to work closely with our customers and also with our project managers and colleagues in our internal Engineering and Production divisions, to ensure that our products and services satisfy the needs of our customers and are fit for purpose in all other respects. Many of the systems we provide deliver front-line defence capability and are depended on to operate reliably in the harsh underwater environments within which submarines operate. To achieve these goals means that the systems we provide must be right, and we need the innovation, determination, knowledge and skills of our SDAs to ensure this.

Reporting relationships

Reporting to the Submarine Systems Divisional Chief Engineer

Location

Dorset Innovation Park, Winfrith

Employment status

Permanent

At Atlas Elektronik UK, we support our staff to create work-life balance and encourage applications from individuals who are looking for part time or condensed hours as well as full time opportunities.

Background

Submarine Systems Division is working to secure an increasing share of the UK submarine market; providing and supporting systems used by the Royal Navy's submarine flotilla. Major successes have been achieved in the past and further opportunities are being pursued in the areas of submarine sonar, combat systems, signatures, electric actuation, underwater weapons and countermeasures. There is strong growth in all areas. Several export projects complement this domestic UK business, with a number of further export orders currently being pursued. AEUK is actively involved in providing direct support to the Submarine Delivery Agency in the Bristol area through the Submarine Systems SDA team.

To ensure that AEUK continues to deliver existing project commitments and secures the identified future opportunities, additional Submarine Systems SDA capacity is being sought by the division.

Scope

The SDA will work with the division's Product Managers in promoting AEUK capabilities and in engaging with customers and wider stakeholders to develop and secure future business opportunities; this will involve the analysis of requirements, the development of solution concepts and the translation of these concepts into high level architectural designs and system specifications. Working with technical leaders in Engineering Division, the SDA will prepare technical proposals and provide support to appointed Bid Managers in responding to invitations to tender and requests for quotation.

For ongoing work, the SDA has responsibility for the technical management of allocated projects, including all aspects of systems engineering management. He/she will work closely with divisional Project Managers, colleagues in Engineering and Production Divisions, other business support functions and external suppliers. The SDA is responsible for ensuring the delivery of products and services in accordance with agreed project plans and associated performance, cost and time targets.

The SDA will also engage with colleagues in other Divisions to ensure alignment of customer and self-funded research with Submarine Systems division product development needs and plans. This will involve the identification and road-mapping of key enabling technologies and an active contribution to AEUK's standardisation initiative. The SDA owns the long term plan for product development and updates.

... a sound decision

The successful candidates can expect to be working on projects through the whole product lifecycle, from concept through assessment and demonstration to acceptance and in-service support.

The post provides an excellent career development opportunity for less experienced candidates as well as the more experienced, with good potential for further career progression.

Knowledge, skills and personal qualities required

Candidates will be systems thinkers; able understand the broader operational context of customer requirements and user needs. Previous experience of product lifecycles, systems design, system modelling and analysis, requirements management, test and acceptance and/or production and support would be beneficial. A technical background in at least one of the following areas being highly desirable;

- Sonar/seismic arrays
- Sensor data and signal processing, cabling and telemetry
- Real time systems, decision support systems, and their infrastructure
- Towed array and cable handling systems
- Weapon and Countermeasure systems
- Noise, vibration and electromagnetic data gathering, analysis, and management
- Acoustic and RF systems
- Industrial automation and control systems
- Safety systems
- Physical and system modelling and simulation
- Future submarine design concepts and technologies

Familiarity with the UK Submarine Enterprise is not a necessity and applications from outside the domain are encouraged. Candidates with knowledge of the workings of the Ministry of Defence may have the opportunity to spend time embedded within collaborative MOD/industry teams working within the Bristol area.

For those interested in a change of industry, familiarisation and support in gaining domain knowledge will be provided. Candidates are expected to be effective communicators, with experience of technical report writing and involvement in the preparation of customer proposals. They will be able to quickly establish productive working relationships with customers, military staff and other stakeholders.

Key accountabilities may include

- Reporting to the Submarine Systems Divisional Chief Engineer

Behavioural requirements

- Systems thinker
- Innovative and prepared to challenge conventional thinking
- Tenacity and determination; with desire to deliver outputs and results
- Interest in submarine systems
- Team player and leader
- Confidence and enthusiasm
- Excellent communication skills; oral and written

More information

The successful candidate must be able to achieve full SC (Security Clearance).

How to apply

Please forward your CV and a covering letter explaining why you are suitable for the post to Recruitment@uk.atlas-elektronik.com by the closing date and state the job title in the subject line.

Due to the nature of our work and the projects you will be working on, all candidates must be eligible to gain security clearance. ATLAS ELEKTRONIK UK Ltd is an Equal Opportunities employer and welcomes applications for all posts from suitably qualified people regardless of age, disability, ethnicity, gender, marital status, sexual orientation, religion or belief.

Only successful applicants will be contacted.

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