# System Design Authority job description

<table>
<thead>
<tr>
<th>Job Title</th>
<th>System Design Authority (SDA)</th>
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<tbody>
<tr>
<td>Status</td>
<td>Permanent</td>
</tr>
<tr>
<td>Site</td>
<td>Winfrith, Dorset</td>
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<tr>
<td>Division/Functional area</td>
<td>Submarine Systems Division</td>
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## Purpose of job

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

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.

Once work has been secured, the SDA will assume responsibility for the technical management of allocated projects, this 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 to ensure the subsequent 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.

## Closing date

13th July 2014

## Background:

Submarine Systems Division is working to secure an increasing share of the UK submarine market; providing and supporting products used by the Royal Navy’s submarine flotilla. Major successes have been achieved in 2013 and further opportunities are now being pursued in the areas of submarine sonar, signatures, communications, underwater weapons and countermeasures. Towed array handling and electric actuation also remain areas of very strong growth potential with additional opportunities to be bid, secured and then delivered from 2014 onwards. Several export projects complement this domestic UK business, with a number of further export orders for both European and Far Eastern customers currently being pursued.

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.

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 a less experienced candidate 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, with familiarity of the UK Submarine Enterprise and a technical background in at least one of the following areas being highly desirable;

- Submarine sonar arrays (hull and/or towed)
- Sonar data and signal processing, cabling and telemetry
- Submarine combat systems architectures and interfaces
- Submarine towed array handling systems
- Underwater weapons
- Underwater defensive aid suites
- Underwater signature ranges
- Signature reduction and control
- Underwater acoustic communications (ACOMMS) and RF communications buoys
- Electric actuation and control systems
- Future submarine design concepts and technologies

Candidates will be 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:

Reporting to the Submarine Systems Divisional Chief Engineer, terms of reference will be in accordance with the roles and responsibilities defined within AEUK/WIN/P/10/04.01

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

Security clearance is required for this role.

How to apply:

Please forward your CV to recruitment@uk.atlas-elektronik.com stating the title of the post in the subject line.