

Job Description	
Job title	Senior Software Systems Engineer
Purpose of Job	Application of a software engineering approach to undertake all tasks within a software development lifecycle.
Reporting relationships	Reports to Team Leader/Head of Department
Staff responsibility	May be required to act as software lead/manager at system and/or subsystem level;
Budget responsibility	None
Band	5-7
Scope	To lead the development of software systems for above-water and underwater solutions, products and systems,
Location	Dorset Green Technology Park, Winfrith, Dorset
Employment status	Permanent
Knowledge, skills and personal qualities required:	
<ul style="list-style-type: none"> • Proven ability to lead software developments • Experience of lead teams of software engineers either functionally or in a line management role • Educated to Degree or equivalent level in a software engineering or related discipline • Knowledge and understanding of Software Engineering. Preferably have an understanding of military systems, in particular maritime systems. • Understanding of Open Systems Architectures and Principles • Significant experience of Software Engineering Lifecycle processes and tools • Ability to solve complex problems and to critically review results and methods to ensure quality • Ability to expand knowledge into new domain areas, work across domains and see the bigger picture • Excellent communication skills, including delivery of presentations • Excellent written skills particularly technical report writing, ability to communicate with expert and non-expert stakeholders • Ideally the candidate will have experience in one or more of the following domain areas: <ul style="list-style-type: none"> ➢ Maritime Combat Systems, integration of equipment and software ➢ Mine countermeasures ➢ Off-board unmanned systems ➢ Command and Control Systems ➢ Acoustics / Sonar ➢ Software Safety (DEF STAN 00-56 & IEC 61508 or equivalent) • Primary software/system skills/experience <ul style="list-style-type: none"> ➢ Requirements management (DOORS experience desirable) ➢ UML / Enterprise Architect for system design ➢ C++ / Visual Studio ➢ Java / JavaFX / Netbeans ➢ Unit Testing / JUnit / CppUnit ➢ HMI design and development ➢ Configuration management / Subversion / Mantis ➢ ISO 9001 and TickITplus standards ➢ Network protocols • Other desirable software skills/experience <ul style="list-style-type: none"> ➢ Fortran ➢ Matlab ➢ LabView ➢ SQL ➢ Web (HTML, JavaScript, Python) ➢ Usability Testing ➢ IT skills, protocols, switch config, hardware config, virtualisation 	
Key accountabilities and responsibilities:	
<ul style="list-style-type: none"> • To be agreed on appointment 	
Behavioural requirements:	
<ul style="list-style-type: none"> • Strong leadership skills • Technically proficient • Strong communication skills • Proactive, willing and responsive • Motivated and genuinely interested in problem solving and developing logical, robust solutions • Able to multi-task and prioritise a varied work load • Wants to expand knowledge base 	