



TRINITY HOUSE

ROLE PROFILE

SENIOR PROJECT ENGINEER / SENIOR SUPPORT ENGINEER

JOB PURPOSE

Accountable for the management and delivery of complex and large scale projects within the Engineering and Operations team, ensuring delivery of all selected engineering works identified within local and the capital plan are fully delivered to meet the needs of the Service. Acts as subject matter expert in own field able to support and mentor colleagues supporting business needs. Supporting all areas of the business and be technical lead in area of expertise advising upon standards and the maintenance of existing systems and implementation of new products.

KEY RESPONSIBILITIES	Project management	<ul style="list-style-type: none">▪ Project manage and/or undertake senior project engineer role for assigned projects.▪ Ensure all projects and tasks are delivered safely, on time, to budget and to required quality.▪ Deliver complex projects from concept, adopting innovative solutions with new/existing technology.▪ Pro-actively assist in creating five case business model programmes and business case construction within public sector models.▪ Assist the Programme Manager with resource planning of the short/medium-term Corporate Capital Plan.▪ Produce detailed project plans and documentation, manage and report on progress against metrics.▪ Accountable for delivery of assigned projects following project life cycle process.▪ Manage all safety and other legal aspects conforming to current legislation.▪ Support and mentor team members.▪ Undertake in-depth data analysis to modify and adjust plans as required.▪ Bid and monitor budgets associated to all assigned tasks.
	Engineering design	<ul style="list-style-type: none">▪ Initiate and approve engineering designs with due regard for standards, policies and regulations.▪ Accountable for ensuring designs and delivery methods are Right First Time (RFT) and compliant with agreed stakeholders' requirements.▪ Create and promote the use of standard designs across the organisation.▪ Produce outline engineering designs to satisfy the requirements of projects.▪ Guide the development of engineering designs with the Design Technicians.

		<ul style="list-style-type: none"> Responsible for all aspects of design ensuring approval at design reviews. Peer review designs of others and make recommendations as appropriate.
	Installation	<ul style="list-style-type: none"> Specify any required onsite work and support its delivery, ensuring the installation conforms to standards. Act as point of contact and undertake duties as client representative.
	Commissioning	<ul style="list-style-type: none"> Undertake and support pre and post testing of all equipment and systems integral to the project. Complete necessary commissioning paperwork to allow transfer of information to future operators and maintainers of equipment and systems. Conduct Factory and Site Acceptance Tests as required.
	Service support	<ul style="list-style-type: none"> Provide training and technical support to users, operators and maintainers of service equipment and systems. Complete necessary documentation to enable the handover of projects to the appropriate stakeholder. Attend to and delegate tasks from Engineering helpdesk.
	Technical support	<ul style="list-style-type: none"> Provide solutions to technical issues within the Service. Support the business to develop new products into Service. Keep up to date with new technology and recommend suitable technology for use in the service. Undertake additional tasks and responsibilities as assigned or necessary, within scope of the role.
ENTRY REQUIREMENTS	Skills and experience	<ul style="list-style-type: none"> Experienced in the use of project management techniques. Excellent IT skills, including Microsoft Office. Good working knowledge of Trinity House stations. In depth knowledge of public sector procurement processes. Good working knowledge of contract law. Knowledge of 5 case business model and other public sector project and procurement models. Excellent knowledge of HSE management within an operational environment. Good understanding of planning regulations and consents.
	Qualifications	<ul style="list-style-type: none"> A level 5 qualification in a relevant engineering discipline or equivalent experience. A recognised project management qualification IALA level 1 AtoN Manager desirable
	Professional Competencies (UK-SPEC)	<p>Able to demonstrate:-</p> <ul style="list-style-type: none"> General and specialist engineering knowledge and understanding Appropriate theoretical and practical methods to the analysis and solution of engineering problems Technical and commercial leadership Effective communication and interpersonal skills Personal commitment to professional standards