



TRINITY HOUSE

ROLE PROFILE

PRINCIPAL SYSTEMS ENGINEER

JOB PURPOSE

Lead and deliver technology and business-related strategic studies and trials on behalf of the General Lighthouse Authorities of the UK and Ireland (GLA).

KEY RESPONSIBILITIES	Functional Leadership	<ul style="list-style-type: none">▪ Lead nominated technical theme.▪ Effectively lead and manage direct reports.▪ Act as a mentor and source of expertise for direct reports/team members.▪ Ensure health, safety, environmental and quality management procedural requirements are met.▪ Form strong working relationships across the GLAs and external bodies to influence and support GLA and GRAD aims and objectives.▪ Contribute to department management, succession planning, team development and engagement.
	Strategic and technical innovation	<ul style="list-style-type: none">▪ Network across the GLAs, and internationally, to draw on and develop technical best practice.▪ Participate in the setting of policies and standards to the benefit of the GLA, with the Head of Research and Development and GLA Directors as appropriate.▪ Lead the development of tri-GLA strategy in collaboration with GLA directors.▪ Lead updates to the GRAD 5 year plan that guides translation of the strategy to project proposals.▪ Communicate technical and strategic developments across GLA colleagues and wider stakeholders.▪ Identify and propose projects and system studies (including trials) that will support the delivery of the GLA' strategic objectives.▪ Lead, manage and deliver technology-related studies and trials.
	Project delivery	<ul style="list-style-type: none">▪ Responsible for the delivery of an allocated project portfolio.▪ Lead and manage bids for external funding.▪ Form teams with other GLA and external personnel as required delivering innovation projects.

		<ul style="list-style-type: none"> ▪ Procure and manage external support for studies. ▪ Liaise with tri-GLA operational, technical, finance, procurement, legal and safety functions in order to complete allocated projects in accordance with appropriate recommendations, policies, regulations and legislation. ▪ Complete necessary documentation to enable handover of projects to the GLA or external customer. ▪ Contribute to the annual planning event and provide guidance on priorities for projects within allocated theme.
	Stakeholder management	<ul style="list-style-type: none"> ▪ Understand, communicate and promote the GLA' interests by attending meetings, networking and through conference presentations. ▪ Produce papers for meetings and conferences. ▪ Represent the GLA (and possibly UK and/or Ireland) at national and international meetings and conferences.
	Budget Management	<ul style="list-style-type: none"> ▪ Plan, negotiate and oversee the budget for allocated theme ▪ Plan, negotiate and manage the budget for allocated projects
	General	<ul style="list-style-type: none"> ▪ 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"> ▪ Project and programme management. ▪ Leading and managing successful projects in a research/engineering/science environment. ▪ Developing project bids and project teams. ▪ Extensive knowledge of systems engineering, marine AtoN support systems, visual signalling, radio navigation and/or wider influencing factors (such as climate change) ▪ Highly motivated and resourceful. ▪ High-level IT skills. ▪ Good literacy and communication to all levels (technical, non-technical, executive audiences)
	Qualifications	<ul style="list-style-type: none"> ▪ Level 6 qualification¹ in engineering, physical sciences or computer sciences (or evidenced experience). ▪ Leadership/management qualification desirable ▪ Project management qualification (i.e. Prince2 practitioner) desirable.
	Professional Competencies	<ul style="list-style-type: none"> ▪ Associate or Fellow member of appropriate professional body (eg RIN, IET, APMP etc.) ▪ Working to CEng level of Engineering Council Specification (UK-SPEC). ▪ Government Project Delivery Capability Framework (PDCF) mapped to relevant parts of 'Project Director'. ▪ Strategy development capability

¹ Level 6 is a degree or equivalent.