



TRINITY HOUSE

ROLE PROFILE

PRINCIPAL ENGINEER (RADIONAVIGATION / VISUAL SIGNALLING / DIGITAL SERVICES)

JOB PURPOSE

Lead innovation in the relevant field to ensure the General Lighthouse Authorities of the UK and Ireland (GLA) are positioned to meet future challenges in providing marine Aids-to-Navigation (AtoN) for the benefit of all mariners.

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 team 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, supporting the Head of Research and Development and GLA Directors as appropriate.▪ Actively engage in, and influence, development of the tri-GLA Strategy in collaboration with GLA Directors.▪ Provide technical input to, and influence, International and National committees developing standards and policies in the AtoN sector.▪ Identify and propose projects that will support the delivery of the GLA' strategic objectives.▪ Communicate Research and Development outcomes to GLA colleagues.▪ Plan and support the transition of Research and Development activities into GLA core business.
	Project delivery	<ul style="list-style-type: none">▪ Responsible for the delivery of the allocated project portfolio.▪ Collaborate with other GLA and external personnel as required to deliver innovation projects.▪ Liaise with tri-GLA operational, technical, finance, procurement, legal and safety functions to complete allocated projects in accordance with appropriate recommendations, policies, regulations and legislation.▪ Specify any required on-site activity and manage its delivery as appropriate.

		<ul style="list-style-type: none"> ▪ Manage transfer of knowledge new technology, equipment and systems to future operators and users. ▪ 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.
	Marine expertise	<ul style="list-style-type: none"> ▪ Design and oversee trials for AtoN systems. ▪ Specify/design specialist test equipment, systems and/or processes for use in the laboratory or in the field. ▪ Supervise measurement trials, record and process results and report. ▪ Conduct Continued Professional Development, including maintaining watch on emerging technology. ▪ 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 projects in a research/ engineering/science environment. ▪ Developing project bids and project teams. ▪ Extensive knowledge of radio navigation, radio communications, visual signaling, and their supporting systems (as appropriate for the role) ▪ Highly motivated and resourceful. ▪ High level IT skills ▪ Experience leading national and/or international standards development desirable. ▪ Good literacy and communication to all levels (technical, non-technical, executive audiences)
	Qualifications	<ul style="list-style-type: none"> ▪ A level 6 qualification in engineering, physical sciences or computer sciences (or evidenced experience). ▪ Leadership/management qualification desirable. ▪ Project management qualification (i.e. Prince2 practitioner) desirable.
	Professional Competencies¹	<ul style="list-style-type: none"> ▪ Associate or Fellow member of appropriate professional body (eg RIN, IET, etc.) ▪ Working to CEng level of Engineering Council Specification (UK-SPEC). ▪ Government Project Delivery Capability Framework (PDCF) mapped to relevant parts of 'Project Director'. ▪ Working to relevant parts of 'Experienced' level of Government Science and Engineering Framework.

¹ The professional competency framework is being finalised and therefore subject to amendment.