



TRINITY HOUSE

ROLE PROFILE

RESEARCH AND INNOVATION ENGINEER (SUSTAINABILITY)

JOB PURPOSE

To carry out development, research and engineering activities under the direction of a Principal Engineer in order to successfully deliver the GRAD project portfolio.

KEY RESPONSIBILITIES	Project delivery	<ul style="list-style-type: none">▪ Design, plan and conduct projects of both a practical and academic nature.▪ Perform studies, surveys, research, tests, trials and technical demonstrations in the lab and field.▪ Lead small teams when conducting field work.▪ Develop innovative systems and products to benefit the GLA.▪ Develop, calibrate and maintain the GRAD measurement and monitoring facilities.▪ Complete necessary documentation to enable handover of projects to the GLA or external customer.▪ Transfer knowledge of new and existing technology, equipment and systems to future operators and users.▪ Collaborate 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.▪ Collaborate with external parties to deliver projects.▪ Manage projects in accordance with the GRAD Quality Manual to deliver technical projects to time and budget.
	Strategic and technical innovation	<ul style="list-style-type: none">▪ Identify, propose and plan projects that will support the delivery of the GLA' strategic objectives.▪ Contribute to the planning and prioritising of future projects.▪ Support GRAD strategy development activity.

	Stakeholder management and external liaison	<ul style="list-style-type: none"> ▪ Liaise with GLA colleagues to provide expert training and support. ▪ Support the Head of Research and Development at Inter-GLA committees. ▪ Author and contribute to technical papers and present these to national and international audiences. ▪ Provide technical input to, and influence, International and National organisations developing standards and policies in the AtoN sector. ▪ The role will require national and international travel, reflecting how the department supports both UK and Ireland lighthouse authorities, and collaborate with international partners.
	Team administration	<ul style="list-style-type: none"> ▪ Contribute to team reporting and attend team meetings. ▪ Contribute to the development and improvement of departmental practices and procedures. ▪ 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"> ▪ Strong organisation and time management skills, with an ability to set and manage one's own schedule ▪ Strong project management skills, including the ability to run multiple and overlapping projects – ▪ Good literacy and communication to all levels (technical, non-technical, executive audience) – ▪ Analytical and critical thinker ▪ Deep and evidencable knowledge of sustainability practices ▪ Strong understating of sustainability focused legislation across the UK & EU ▪ Strong ICT skills (including MS Office, MS Project etc.) ▪ Strong knowledge of the marine and/or AtoN industry ▪ Experience in research and development within an engineering or scientific discipline ▪ An understanding of UK and Irish government sustainability governance / reporting requirements (GGC, STAR, CAP reporting, ect) ▪ Experience with GIS software
	Qualifications	<ul style="list-style-type: none"> ▪ A relevant level 6 qualification in environmental management or related area, or suitable demonstrable experience ▪ Project management qualification (Prince2 foundation, Prince2 practitioner)
	Professional Competencies	<ul style="list-style-type: none"> ▪ ISEP Practitioner (PISEP) / Registered Environmental Practitioner (REnvP) membership ▪ Government Project Delivery Capability Framework (PDCF) mapped to relevant parts of 'Project Manager' ▪ Working to relevant parts of 'emerging' to 'experienced' level of Government Science and Engineering Framework