



Commissioners of
IRISH LIGHTS | Navigation
and Maritime
Services

CANDIDATE BRIEFING PACK

Electro Technical Officer (ETO)
ILV Granuaile
e-Navigation and Maritime Services Department



Please send a brief cover letter outlining why you are interested in this role together with your CV to human.resources@irishlights.ie

Closing date for applications is midnight on 28 May 2023.



Irish Lights operates a mix of Aids to Navigation, including 65 lighthouses, 116 buoys, 20 beacons and a range of electronic aids, as part of a critical national infrastructure for the maritime sector around the coast of Ireland.

Some of our lighthouse stations are over 200 years old but with new communication and navigation equipment as well as powerful LED lights they continue to provide a vital service to mariners and increasingly also to local tourism, heritage and environmental protection programmes.

ILV Granuaile is a multifunctional vessel whose primary function is to place and service offshore buoys. The Electro Technical Officer is a vital team member on board.

Are you up for the challenge?



Irish Lights Remit

The mission of Irish Lights is Safe Navigation at Sea. We are a maritime organisation delivering essential 24/7 safety and navigation services around the coast of Ireland, 365 days a year. Our vision is to protect lives, property, trade and the environment by delivering next generation maritime services at the interface of navigation technology, engineering and data management.

Irish Lights is responsible for Maritime Aids to Navigation under the Safety of Life at Sea (SOLAS) Convention. This remit includes the provision and maintenance of over 330 general aids to navigation, the superintendence of approx. 3,300 local aids to navigation, and marking or removing dangerous wrecks outside harbour areas around Ireland.

Irish Lights also provides a range of navigation and contract commercial services including ship charter, buoy and maritime data. We provide value added services to support the development of the broader maritime economy including Met and Coastal Data Services. The Irish Lights tourism and heritage initiative, the 'Great Lighthouses of Ireland' was developed in partnership with local communities and offers visitors from home and abroad the chance to visit or stay in a working lighthouse. See our website www.irishlights.ie for further details.

Mission Statement

Safe Navigation at Sea: To be a leading and innovative provider of reliable, efficient and cost effective navigation and maritime services for the safety of all.

Values

Irish Lights strategy will be delivered by holding true to the values of the organisation. Our Values set the foundation for our interactions with our stakeholders, customers, suppliers and the community. These values, which are the cornerstone for the success of the organisation, are as follows:

- Professionalism
- Respect
- Trust
- Quality
- Innovation
- Collaboration



ILV Granuaile

ILV Granuaile is a multifunctional vessel which primarily operates in the waters around the coast of the Island of Ireland. Its primary function is to place and service offshore buoys, which warn mariners of the location of sand banks, reefs and other offshore hazards near shipping routes. The vessel also serves as a helicopter platform for servicing offshore lighthouses and is available to assist State agencies with search and rescue, emergency towing, oil pollution control, surveying and offshore data collection.

Granuaile is an 80 meter multi-purpose DP1 (Kongsberg K-Pos) vessel. She is a diesel electric ship powered by 5 x MAN gensets with total power of 3700kW driving 2 x Schottel Azi Pod propellers and a Gill Jet Azimuth Bow Thruster. Her main Operations Plant comprises 1 x 20 tonne Liebherr Litronic Buoy handling crane, Welin Lambie electrical workboat Davits and various deck Winches. She is classed by Lloyds and has UMS notation. Primary duties involve maintenance of Aids to Navigation. Over the ship's 22 years in operation, she has successfully completed a wide range of offshore contracts including subsea operations.

The Engineering Department on board consists of the Engineering Operations Manager (*Chief Engineer*), Engineering Operation Officer (*Second Engineer*), Electro Technical Officer and the Operational Maintenance Operative (Engine) (*Motorman*).

Scope of the role

Reporting directly to the Chief Engineer, the Electro Technical Officer (ETO) will be responsible for all aspects of on-board maintenance of electrical systems, electronic and navigational equipment including DP and ocean bed survey equipment, and ensuring that all repairs and servicing is carried out to the highest standards.

This role offers ample variety so applicants must be keen to build their knowledge and skills as they shape the role around their aspirations. The ability to quickly get to grips with new technology is also important.

The role of the ETO is to manage the effective day-to-day operation and maintenance of the vessel's electrical power and distribution system, bridge systems including survey equipment, hotel systems and all electrical safety systems in conjunction with the Second Engineer, reporting to the Chief Engineer. To actively support the Technical Team in the safe, efficient, and effective, running of that plant with due considerations to the Vessel operations and the environmental impact.

Main duties and responsibilities include:

Shipboard Systems

- Be responsible for the day to day planned, predictive and breakdown maintenance of electrical and electronic plant and equipment On Granuaile to the requirements of Lloyds Classification Society rules and Flag State Legislation together with service requirements and equipment specific manuals.
- To adhere closely with the planned preventative maintenance system onboard. Ensuring the onboard inventory of spares is kept within required limits and to initiate actions to replenish within a timely period.



Shipboard Systems (contd.)

- A comprehensive knowledge of Vessels power generation, distribution system, power management system, propulsion system, auxiliary systems including hotel services, Cranes, Hydraulics etc and all aspects of bridge integrated systems including survey equipment.
- Responsible for Communication equipment maintenance and vessel security systems.
- Assist and engage with Contractors and third parties with their installations and operations of external equipment that's fitted onboard upon request from time to time.
- Support Chief officer as required with Aids to navigation issues.

Drydocks, refits and maintenance periods

- To actively assist the Chief Engineer in the preparation and progress for Newbuild, and Projects such as dry dock, refit periods, upgrades and prospective Lloyds Classification Society and Flag State Legislator inspections.

Planned Maintenance

- Operation of the planned preventative maintenance system onboard,
- daily upkeep of job orders, issuing work.
- Initiating (in conjunction with the Chief Engineer) procurement from the system.
- Take an active role in the development of the planned preventative maintenance system within his area of responsibility.

Management

- To "On Site" manage contractors within his area of responsibility.
- Responsible (in conjunction with the Chief Engineer) to prepare Budget Bids and monthly reports.

Health and Safety

- In conjunction with the Chief Engineer and Second Engineer, responsible for conducting emergency response, including internal, ISM (code) and local authority requirements as applicable.
- Be conversant with the correct operation and maintenance of fixed Fire Fighting systems for machinery spaces and other areas of the ship covered by similar installations.
- Safe procedures for operations within the main machinery space and auxiliary machinery throughout the Vessel, including implementing statutory regulations, official publications, and manufacturer's guidelines.
- Awareness of Irish lights Environmental and Safety Policies and responsible with the Chief Engineer for correct disposal of waste electrical items.
- Adhere to stated policies and procedures relating to health, safety, and environmental and quality management.



Key Requirements, Qualifications, Experience and Required skills

Essential

- A Watch keeping Electro Technical Officer STCW Certificate of Competency (III/6)
- GMDSS Radio Maintenance Certificate
- Electronic Navigation Equipment Maintenance Certificate (III/6)
- Relevant Medical Certificate (in date)
- All statutory STCW qualifications
- Proficiency In Ships automation and PMS systems example K-Chief.
- Strong IT skills including network troubleshooting.
- Marlin test achieved of at least 90% (If English not first language)
- Working at Heights (periodic)
- Appropriate work permit (where applicable)

Desirable

- Bachelor of Engineering in Marine Electro Technology QQI Level 7 or
- Qualified to HND Electrical Engineering / Electrical and Electronic Engineering / NVQ Level 3
- Engineer Officers Certificate of Competency (III/I)
- Merchant Vessel Engineering or equivalent level
- DP Maintenance training
- Proficiency in Multibeam Sonar and Survey positioning systems
- Approved High Voltage training.
- Full Driving licence
- ISM /Safety Management experience and understanding.
- Excellent interpersonal skills
- Demonstrating ownership of tasks and responsibilities
- Strong communication and teamwork skills
- Ability to carry out tasks efficiently.

Salary

The salary for this role is €53,050 rising to €63,322.

Irish Lights is based in the Republic of Ireland and is subject to taxation and legislation in the jurisdiction.

Hours of Work

The successful candidate will join one of two crews who operate a 4 week on/off roster on board the ILV Granuaile.

Travel and Subsistence

Travel and subsistence expenses are paid to employees required to travel, in accordance with approved rates.

Please note that travel expenses for employees are only paid within the island of Ireland.



Further Terms & Benefits

Irish Lights offers a comprehensive and very market competitive range of benefits to employees, including a generous range of family friendly/flexible working policies and a commitment to the further development and education of its staff.

Death in service pension benefits: The pension scheme will pay 2 times annual salary to a nominated person(s) in the event of a member's death in service.

Employee Assistance Programme (EAP): Irish Lights provides an independent, 100% confidential EAP service, delivered through VHI, offering professional and impartial advice, information and counselling on a range of issues including legal, financial, and health matters. This service is free to employees and is also available to immediate family members.

Family Friendly Policies: Irish Lights has a range of family friendly policies that allow employees to balance work with other aspects of their lives. These include Maternity, Paternity, Adoptive and Parental Leave provisions, the majority of which have elements which are enhanced beyond the statutory entitlements.

Occupational Health Service: Irish Lights works with an independent Occupational Health service provider, who provides support and advice for employees who have an illness or a medical condition affecting their ability to work.

Pension Scheme: Very generous pension benefits (defined benefit scheme, 27.1% employer contribution) are attached to this role.

Repatriation - You will be entitled to repatriation in accordance with the repatriation provisions.

Sickness Absence Provisions: For employees unfortunate enough to become ill, the Sick Leave Policy provides up to a total of 13 weeks paid leave (less any social welfare payments) in one year, followed by a further 13 weeks half pay (less half of any social welfare payments) thereafter, subject to a maximum of a total of 26 weeks paid sick leave in any four year period. These benefits are enhanced after 3 years satisfactory service.

Training and Development support: Irish Lights aims to ensure that all employees have the knowledge, skills and experience necessary to be successful in their roles and to fulfil their career potential and operates a Performance and Development Process through which development can be planned and achieved.



How to Apply

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Please view [Irish Lights Job Applicant Privacy Notice](#) on the Vacancies page of our website.



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Commissioners of Irish Lights is an equal opportunities employer and promotes diversity in the workplace