

Electro-Technical Officer

Superior: Chief Engineer
Deputy:
Subordinates: Electrician c.d.

Job description:

Plans and implements the repair and maintenance tasks on the switchboard room, electrical equipment, and devices, as well as alteration works. Monitors the operation of the ship's electrical systems.

Main tasks:

- Is responsible for the electrical safety of the ship and ensures that the ship's electrical systems are kept in the order specified in the regulations.
- Ensures that scheduled maintenance tasks are carried out in a timely manner.
- Is responsible for the repair and maintenance of the ship's electrical devices.
- Submits proposals to the Chief Engineer with regard to spare parts and accessories purchased for the ship and to any new installation work.
- Is responsible for the ship's communication devices.
- Is responsible for the entries in the logbook in the electronic system with respect to electrical devices.
- Takes care of the cathodic protection of the hull and pipes.
- Tasks in accordance with the muster list
- Other tasks assigned by the superior

Cooperation and communication:

- Other departments of the ship (directs and advices in the correct and safe use of electricity and electrical equipment)
- Chief Engineer
- Engineers of the Watch
- Bridge
- Subcontractors / goods suppliers
- Charterers representatives / customers

Minimum qualifications:

- Extensive experience on high voltage diesel electric power plants and machineries, particularly AC cyclo converter drives. Familiarity with the vessel type and machinery required minimum 2 years.
- Extensive experience with azimuthing thruster propulsion, particularly Z-drive geared drive units. Familiarity with the vessel type and machinery required minimum 2 years.
- Extensive proficiency in ice class vessel machinery and ventilation & heating plant design, operational limitations and experinece in machinery plant operations
- Proficiency in offshore and arctic telecommunications systems design, operational limitations and experinece in system operations
- Proficiency in offshore crane machinery and winch machinery
- Proficiency in onboard lift systems
- Computer literacy and advanced skills in planned maintenance system onboard (Sertica)
- Requirements for personal qualities include good human skills for working as a member of the crew in co-operation with others with minimal conflicts between other people on board.

- Ability to work at sea tolerating isolation, working well with other members of the crew, and tolerating vessel movements without getting seasick easily.
- Before assigning a steady position the details and qualities of a person need to be assessed with the superiors and the office for approval.

Minimum Requirements of Certificates and Training:

The following competence and certification requirements are based on the Finnish law and regulations which apply to Finnish vessels sailing under the Finnish flag and the crews and owners of such vessels.

- Certificate of Competency - Electro-Technical Officer III/6
- Combined Certificate of Proficiency - VI/1, VI/2.1, VI/3, VI/4.1, VI/6.4
- Personal Survival Training, A-VI/1-1
- Elementary First Aid, A-VI/1-3
- Personal Safety and Social Responsibility, A-VI/1-4
- Survival Craft and Rescue Boat, A-VI 2-1
- Advanced Fire Fighting, A-VI/3
- Medical First Aid, A-VI/4-1
- Security Training for seafarers with designated security duties, A-VI/6-2
- Safety at Electrical Work Training, SFS 6002 Standard
- Safety at Live Working below 1 kV Systems, SFS 6002 Standard

General and Company Manning Standards:

- Passport
- Seafarer's Medical Certificate
- Contract of Employment
- Fluent Finnish (working language on the vessel)
- Fluent English
- Familiarization Procedures according to the Vessel Handbook
- HSSEQ Manual