ROLE: Chief Engineer

As Chief Engineer (CE) you have the overall responsibility for all technology on board, from electrical propulsion, battery banks, charge systems, generators and electric wiring to electronics and radios. CE will monitor, maintain, and service and contact suppliers if needed.

Responsibilities

As CE you have the obligation to ensure that all technology on board is ready for use, in healthy condition and if faults occur the CE will take responsibility to repair or in another way get it back to a normal state.
The following technologies are handled by the CE:
- Electric propulsion system including steering electronics
- Battery banks both 48V and 12V
- Battery charging systems
- Generator
- Electric and manual pumps, both fixed and portable
- Wiring, 12V, 48V, 220V DC, CanBus etc.
- Fuse cabinets
- Light systems like lanterns, deck light, cabin light, searchlight etc.
- VHF radios, handheld and fixed incl. Antennas
- Navigational equipment
- Toilet system
- Fuel tanks
- Fresh water system

Requirements and skills to fulfil the role

As CE you need to be comfortable with different types of technologies from high-tech electronics to mainstream engines, electrical solutions a.m.o.
Knowledge and experience in structured root cause analysis and fault detection are preferred.
As the technology or lack of same on board can be of risk to crew and ship, if misused, not maintained or damaged it is vital that the CE thinks safety first and has good insight into the risk these solutions possess.
The ability to communicate in English with foreign technicians in case of service/repair is expected.

Expected deliverables

Daily inspection and maintenance performed, documented and followed up
Daily report on service/maintenance tasks performed
Report on failures, service and repair if this occurs

Organizational setup

See illustration below.
CE is a crew member and reports to the Captain when sailing but also to the Stage Responsible on Board when the ship is docked.

Organization when on the voyage