
Job Title	Life Support Systems Engineer (Mechanical/Electrical)
Department	Engineering Department
Reports to	Engineering Manager

Primary Objectives

- To deliver the Ocean Conservation Trust's (OCT) Mission of 'Connecting us with our Ocean' by way of the operation and maintenance of Life Support Systems (LSS) and building services
- Ensure all systems are operated and maintained in accordance with statutory regulations and company policy.
- Maintain service provision within Service Level Agreements
- Ensure all areas of the National Marine Aquarium (NMA) site are fit for purpose and maintained to a high standard expected by NMA customers, clients and staff
- To adhere to the Core Values of the OCT which are: Positivity, Respect, Integrity, Diversity and Inclusion and Engagement.

General – Duties

- To assist other Engineers & Engineering Manager in ensuring that the requirements of the Health and Safety at Work Act 1974, and all related legislation (including environmental) are adhered to.
- Ensure that the NMA site is maintained with a high level of focus on public safety.
- To provide, an out-of-hours emergency response service (on-call rota) and ensure actions are communicated to the Engineering Manager and Engineering team.
- The operation and maintenance of the main life support systems (LSS) for aquarium livestock.
- PPM's and Reactive Maintenance of building services for the aquarium, restaurant, gift shop, catering outlets and learning centre.
- Work with the Engineering and Husbandry Teams to ensure that water quality to all life support systems is maintained within SLAs and ensure close coordination of activities.
- Assist other Engineers, the Engineering Manager & Facilities Manager by carrying out delegated tasks to ensure that the NMA buildings, estate and facilities are maintained cost effectively to a high standard via technical systems, regular site inspections and both planned and reactive maintenance throughout the facility.
- Assist other Engineers & the Engineering Manager in ensuring that all equipment is maintained in good working order in accordance with maintenance schedules and manufacturers' O&M manuals.
- Respond to ad-hoc technical support and assistance to other departments as and when required.
- The supervision of external contractors, providing technical advice and assistance as necessary, ensuring adherence to Health & Safety legislation.
- Undertake training as deemed appropriate to your role.
- At all times to behave in a safe and responsible manner in accordance with the company Health & Safety policy and the requirements of Health & Safety legislation relating to your responsibilities and to promote and act in the employer's best interest.
- To adopt a flexible approach to working hours to ensure the viability of NMA operations. This includes varied shift patterns.
- To provide assistance to co-workers as required.
- To carry out other activities as appropriate on the instruction of the Engineering Manager, other Senior Managers or CEO.

- Provide support to and mentor any Apprentice Engineers in employment.

Duty Engineer

- To undertake the role of Duty Engineer on an agreed rota system as directed by the Engineering Manager and to be within mobile data or wi-fi coverage and **within 30 mins of the NMA** whilst Duty Engineer. Flexibility with Duty Engineer shifts to ensure coverage during periods of holidays and sickness.
- To closely follow Duty Engineering responsibilities and lone working procedures during any out-of-hours emergency call-out.
- To act as Emergency Evacuation Officer in the event of an emergency warning signal or evacuation.

Qualifications and Experience:

- Ideally be qualified to a minimum of NVQ3 in Mechanical & Electrical Engineering, time served 3-year apprenticeship or equivalent.
- Good mechanical engineering skills i.e. pumps, fans, HVCA, heat exchangers, pipework and fittings, pneumatics
- Good electrical engineering skills i.e. supply and distribution, 12, 24, 230 & 415V, sensors, probes, relays, contactors and control systems.
- Good multi-discipline fault-finding and emergency correction skills
- A good level of IT skills to encompass MS Office packages and specific building services software.
- A good appreciation of H&S requirements associated with building and plant maintenance.
- Varied additional qualifications and experience i.e. Work at Height, Confined Space, Electricity at Work, 18th Edition, L8, F-Gas Regs.