

NAVAL ARCHITECT CONSULTANT

Job Specification



Background

Loch Lomond Steamship Company (LLSC) is a Scottish charity which took ownership of the paddle steamship Maid of the Loch in 1996 with the principal aim of returning her to steam operation. Since 1996, LLSC's volunteers have continuously maintained the ship. In 2016, LLSC was awarded a Heritage Lottery Fund pledge of £3.8 million towards a £5.5 million Capital Appeal Project to return the Maid to full steam operation again and to repair Balloch Pier. LLSC has since been fundraising the balance towards this major restoration project.

The ship will be outfitted back to original as far as practical and will include the fitting of up to date safety equipment, a new boiler, generating plant, associated piping systems and controls.

Once in service, Maid of the Loch will provide a quality visitor experience for all; to see, explore and learn about the ship and Loch Lomond's world famous 'bonnie banks'. This project will create up to 30 jobs and training opportunities, with the Maid sailing from Easter to October as well as being used for events and functions all year round.

Purpose of the role

At this pivotal stage of the project, LLSC requires a Naval Architect Consultant to work with the LLSC Marine Superintendent to facilitate an efficient start up of the forthcoming refit of vessel by confirming the removal method of the funnel and midships section to facilitate the installation of a new boiler; and to explore the options available for the Boiler Room layout.

To prepare boiler room layout drawings of the various options considered viable and assist with the preparation of a report for the Board of LLSC with recommendations. The boiler room arrangement requires to be confirmed regarding fuel tank and generator positions. There is an existing proposed arrangement but other options need to be explored and an appropriate boiler room arrangement drawing produced. Boiler and generator footprints are known.

Person specification

We are looking for an appropriately qualified naval architect able to produce the required CAD drawings preferably with experience of machinery space rules and regulations applied to inland waterway passenger ships.

Primary Responsibilities:

Reporting to the Project Director and Marine Superintendent:-

1. a. Confirm the weight of the funnel unit and the midships section unit
b. Confirm the disconnection and replacement method for both units

2. Preparation of CAD drawings with appropriate plan, elevation, and section views for the boiler room machinery layout considering:
 - a. Boiler options
 - b. Generator options
 - c. Fuel tank options
 - d. Auxiliary machinery and equipment to be accommodated
 - e. Machinery shipping routes
 - f. Access and escape routes

3. Assist with the preparation of a report for the LLSC Board of Directors with recommendations

Qualifications & Experience:

- Must be a fully qualified and practising naval architect.
- Previous experience of preparing machinery space layout drawings
- To provide examples of similar previous work.

Contract Terms & Conditions

Status: Self Employed Contract

Hours: Tenderer to quote for task assuming 8 (eight) options. Not full time.

Term: To September 2018

Start Date: July 2018