

## **Job Specification: Principal/Senior Structural Engineer (Nailsworth or Fareham)**

### **1. Background**

Steller Systems is a fast-growing consultancy that can offer a varied, rewarding career for motivated individuals who relish a challenge. We are looking for team players with strong technical skills and an ability to communicate clearly. We know that our people are our business, and so we are dedicated to empowering, inspiring and leading them to ensure that they always give their best.

As our business continues to grow, we are looking for a Structural Engineer who will be responsible for structural design and analysis activities; this may include leading and marine structural engineering projects, as well as providing structural design and analysis support to our naval architecture projects.

This role will be based at Steller Systems' offices in Nailsworth, Gloucestershire, or Fareham, Hampshire and may involve occasional travel in the UK and abroad.

### **2. Job Description**

The company requires an experienced self-starter in this role who can operate as part of a multi-disciplinary team to deliver projects to demonstrable quality and time objectives.

Your role will be to conduct structural design and analysis tasks, primarily in the maritime domain, as well as to provide engineering support to our varied portfolio of naval architecture and marine engineering projects for UK and foreign navies as well as commercial customers.

As a senior/principal engineer you will work closely with all members of Steller Systems' team, and will get involved at all stages of a project including supporting bids and business development activities in order to help shape the company's future activities.

Structural engineering tasks may include:

- Design and analysis of steel and/or composite structures using linear and non-linear Finite Element Analysis.
- Analysis of structural designs using hand calculations for validation.
- Detailed structural design of composite craft.
- Detailed design of steel ships against commercial and naval classification society rules.
- Structural weight estimation for new build ships.

### **3. Qualifications and Attributes**

As a Structural Design Engineer you are expected to:

- Have a good degree in a relevant technical subject with at least 8 years' post-graduate structural engineering experience.
- Have experience of working in the maritime and/or defence domains.
- Be comfortable working on multiple lifecycle phases across a number of active projects and bids.
- Be flexible and adaptable, with a 'can do' attitude.
- Manage working on a number of projects simultaneously, prioritising work effectively whilst being cognisant of the wider programme plan and dependencies.
- Be comfortable working in multi-disciplinary teams comprising naval architects, structural engineers, marine engineers, systems engineers and project managers.
- Have strong interpersonal skills and be comfortable representing the company in customer-facing roles.
- Demonstrate excellent organisational and project management skills.
- Have commercial and business acumen and be willing to engage with all parts of the business.
- Have very strong communication skills, including excellent written skills.
- Be a confidential, honest and reliable individual.
- Have a current UK security clearance or be capable of getting one.
- Be passionate about providing high-quality structural engineering support to our customers.