

Job Opportunity

Graduate Naval Architect Surface Ships Division

Purpose of job	The purpose of the job is to provide Naval Architecture & Design Engineering support to the Surface Ship Systems Design team.
Reporting relationships	<ul style="list-style-type: none"> - Line managed by the Head of Systems Design. - Trained by the Surface Ship Systems Design team. - UK based.
Staff responsibility	None
Budget responsibility	None
Location	Dorset Green Technology Park, Winfrith
Employment status	Graduate Programme

Closing date

This is an opportunity for a Naval Architect to join our multi-disciplinary design assurance team within the Surface Ships Division. You will be working as a subject matter expert alongside other Naval Architects, Systems Engineers, and subject matter experts, helping to guide the design and build of a range of small manned and unmanned craft with their associated control systems, payloads and deployed mission equipment. Consequently, experience across a broad range of engineering, ship design, stability analysis, and manufacturing processes, coupled with a sound knowledge of regulatory and class rules, will be necessary,

Qualifications and skills

- Degree (or equivalent) in Naval Architecture or similar Ship Design/Marine Engineering discipline.
- Interest or past experience in engineering or the Marine Industry with particular focus on high speed small craft up to 20m.
- Computer literacy in order to operate information systems. Proficient in Microsoft Word, Excel, Powerpoint.
- Familiarity with 2D technical drawings.
- Working knowledge of Rhino 3D modelling.
- Working knowledge of Bentley systems including MaxSurf stability and MaxSurf Modeller.
- Demonstrate excellent written and verbal skills.
- Excellent interpersonal and communication skills to enable effective interaction and work across multi-disciplinary teams, of various knowledge and skills, both internally and externally.
- Able to build rapport and develop working relationships with a strong team focus.
- Ability to use own initiative when working independently and under pressure.
- Strong time management skills with the ability to prioritise and manage personal workloads in a structured plan, aligning with project milestones, and ensuring deadlines are achieved.
- Capable of working in dynamic projects without supervision.
- Willingness to travel in the UK and overseas.

Knowledge and experience (will be developed in the job role if not held)

- Proven experience of composite vessel design work.
- Proven experience and responsibility for whole vessel designs.
- Experience of undertaking and carrying design work from conceptual stages, through to production and launch. Sea trial experience and knowledge is therefore beneficial.
- Experience of working with composite manufacturers, traditional boat builders, boat/shipyards.
- Experience of Finite Element Analysis (FEA) and computational Fluid Dynamics (CFD).

... a sound decision

Challenges

- Working in a dynamic and fast paced environment.
- Balancing conflicting requirements.
- Work effectively across multiple departments.

Key accountabilities may include

- Support to the Systems Design Team within the Surface Ship Systems division:
- Translating customer requirements into vessel specifications and design particulars.
- Understanding and applying relevant Classification Society Rules, Industry Regulations, and Legal requirements.
- Review of preliminary designs arrangements.
- Hull resistance predictions and propulsion performance estimates.
- Managing weights & centres, and general stability information.
- Overseeing mechanical and sub systems design.
- Reviewing structural design analysis (including FEA) and laminate schedules.
- Overseeing composite and mould tool design and manufacture.
- Leading discrete design tasks in relation to current projects as directed by project Design Authority. This will be wide-ranging and cover everything from developing detailed information, to supporting design decisions, to preparing material for formal reviews.
- Owning the forward plan for design reviews and monitoring progress against this for each major project, liaising with the Head of Operations and the Engineering Office accordingly.
- Supporting Product Managers with collating information for product specifications.
- Working with Design Authorities and Product Managers to develop and maintain product roadmaps.
- Supporting our Sales Team during bidding activities for future project opportunities, specifically preparing technical information, writing technical descriptions and reviewing bid documents prior to submission.
- Attending client and supplier meetings.
- Attending and supporting equipment tests and sea trials.

Behavioural requirements

- Must be a professional, flexible, reliable team player, who is pro-active with motivational drive and initiative to overcome problems quickly and effectively.
- Ideally have an assertive and confident approach to duties and individuals with strong interpersonal and well developed communication skills.
- Ability to work across multi-functional teams and business areas.
- Possess excellent organisational and time management skills that will equip the team and business with an efficient service.
- The candidate will be required to develop knowledge of the processes and co-ordination of their appointed areas with the help in the first instance, but eventually will be expected to take full responsibility for their appointed tasks.

More information

Graduate intake planned for September 2021.

The successful candidate must be able to achieve full SC (Security Clearance).

How to apply

Please forward your CV and a covering letter explaining why you are suitable for the post to aeukrecruitment@morson.com by the closing date and state the job title in the subject line.

Due to the nature of our work and the projects you will be working on, all candidates must be eligible to gain security clearance. ATLAS ELEKTRONIK UK Ltd is an Equal Opportunities employer and welcomes applications for all posts from suitably qualified people regardless of age, disability, ethnicity, gender, marital status, sexual orientation, religion or belief.

Only successful applicants will be contacted.

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