

16 September 2021

The Hamburg Ship Model Basin (HSVA) is a private, self-supporting organization providing research and consultancy services to the worldwide maritime industry. About 100 employees develop a complex understanding of various problems in hydrodynamic research, development and optimization in the field of shipbuilding, shipping and marine engineering. With its sophisticated experimental research facilities HSVA has been among the world's leading ship model basins since its foundation in 1913. Based on pioneering contributions from scientists and engineers, HSVA developed an intricate understanding of all problems in ship and offshore hydrodynamics, propeller design and arctic technology.



HSVA's team of project managers is looking for an experienced

Project Manager Advisory CFD and Design (MSc.) (m/f/nb) (pay grade: free negotiation)

One year contract with possibility of extension*

Tasks / Responsibilities

- Design and optimization of ship hull lines
- Design and optimization of appendages (shaft bossings, shaft layout, shaft brackets, bilge keels, skegs, etc.)
- Application of advanced CFD technology for ship design and general assessment of flows in air and water
- Consulting services for customers including hull form design, layout of appendages, etc.
- Analysis and prediction of speed-power performance
- Coordination of hull form-development within the overall context of ship design together with internal and external partners (including the interaction with intact/damage stability, general arrangement and steel design)
- Consultancy and customer relations in the business areas described above
- Development and maintenance of pre- and postprocessing routines as well as interfaces for a streamlined design process; implementation of related software with the related programming/scripting languages

To apply, please send your application preferably by e-mail before 15 October 2021:

Ms Jasmin Gronau,
Email: jobs@hsva.de

Requirements

- University degree (MSc. or similar), specialized in naval architecture, offshore and marine engineering or equivalent
- Skills and preferably first experience in the design and optimization of ship lines and appendages
- Experience and familiarity with relevant tools (NAPA, CAESES, CAD, etc.)
- Skills and preferably experience with CFD technology (BEM, RANS, DES, etc.)
- Self-motivated attitude, willingness to assume responsibility
- Readiness for continuous training and professional development
- Ability to work in a team of experts
- Excellent communication skills
- Excellent verbal and written English language skills
- Preferably German language skills

Benefits

- Exciting and diversified tasks with a modern research service provider
- Flat hierarchies, short decision paths
- Flexible working hours, and performance-based salary
- Innovative team

*Limitation applies only to external applicants; for internal applicants the existing contractual arrangements apply.