

Immediate Supervisor: Director System Projects

Who are we?

Bronswerk Marine, headquartered in Canada. Bronswerk Group is an industry leader in Marine HVAC and Refrigeration systems. We are a fully accredited ISO 9001: 2015 organization, qualified to deliver full turn-key, integrated solutions to the ship building industry. Specializing in Merchant Marine, Offshore and Military we target markets around the globe and we are positioning ourselves for long term growth. For more information visit: www.bronswerkgroup.com

What will be your role?

Bronswerk is looking for a **Senior Project Engineer** to join its Brossard, Quebec team. As an integral member of the company, the Senior Project Engineer provides technical support to the Systems Project team ensuring adherence to quality, contract requirements and timelines. The incumbent will be actively participating in the execution of projects often called upon to multi-task effectively and support multiple requests simultaneously.

You will provide technical and subject matter expertise on marine HVAC systems and components, ship design specifications, heating and cooling load calculations, duct pressure loss calculations, equipment and duct sizing calculations, controls philosophies, etc.

Project Execution

- Develop HVAC system designs and prepares detailed design drawings in concert with the client.
- Provides HVAC expertise and advice to clients and recommends solutions to issues as they arise including conflicts with other systems while respecting each step of the Project Lifecycle process.
- Act as a mentor for junior engineer.
- Prepare single line diagrams.
- Prepare chilled water systems single line diagrams.
- Calculates heat loads, pressure drops for ducting and piping systems, equipment capacities, duct sizing.
- Prepare HVAC equipment layout sketches.
- Ensure that requirements are met to permit the efficient and effective integration of the HVAC system into a ship design model or retrofit into an existing ship physical infrastructure.
- Provide recommendations on HVAC machinery control system architecture.
- Identify and resolves technical issues that arise on site to ensure that the system is installed as planned.
- Prepares material requisitions for submission to Purchasing Department.
- Participate in commissioning, inspections and production engineering issue rectification.
- Assist in the preparation of quotations.
- Ensures that time spent on project tasks meet effort and schedule requirements.
- Work within our mechanical and automation controls teams to deliver great service to clients.

Which candidate profile are we looking for?

- Bachelor's Degree in Marine or Mechanical Engineering.
- 7 to 10 years of relevant experience.
- Experience in HVAC system design, HVAC ship experience (an asset).
- Computer literate including AutoCAD, ShipConstructor (asset).

- Thorough knowledge of HVAC and ventilation systems processes, psychometrics, and duct/fan system performance.
- Self-starter with ability to learn quickly, work independently under minimal direction, able to prioritize work to meet customer needs.
- Organized with strong attention to detail, while managing multiple priorities, follow-up and follow-through skills.
- Strong communication and technical writing skills along with project level experience is preferred.
- Excellent written and oral communication skills.
- Bilingual: French and English.
- Knowledge of Refrigeration (an asset).
- Must be willing and able to travel up to-10%.
- Canadian Permanent Resident or Canadian Citizen.

Why work for Bronswerk Group?

- Dynamic workplace and fast-growing international company
- Competitive salary and benefits, group insurances and retirement program
- Continuous professional development

How do I apply?

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What will be your role?

Reporting to the Director of Programs, the **Project Manager** will manage the human, financial and operational resources necessary to meet contractual and company related obligations of the project to ensure profitability. The Project Manager will provide day-to-day leadership for the members assigned to the team and ensures ongoing communications with the customer. He will actively participate in the execution of the project and interact with the project team and the client to ensure open communications. The incumbent will monitor quality of the system solution as well as the timelines and costs to ensure contractual obligations are respected.

Project Management and Direction:

- Manage installation projects ensuring goals, timelines, resources, material and budget are aligned.
- Develop appropriate HVAC designs for the different spaces onboard ships including all supporting calculations.
- Select appropriate system components based on the design and calculations.
- Prepare professional drawing packages (single lines, double lines, installation, and equipment drawings).
- Resolves installation issues in a timely manner, ensures that change and requirements are understood, documented, communicated, costed and applied.
- Responsible for the quality of deliverables and installations.
- Monitor progress, earned value, deliverables and acceptance plans against plans and mitigate issues when they arise.
- Monitor time & technical activities of projects and ensure that deliverables meet contract requirements ensuring customer acceptance is achieved.
- Coordinates supplier's deliverables with project timelines and ensure quality.
- Coordinate with Product Engineers and Packaging teams to ensure their deliverables are aligned with the project requirements (design requirements and timelines & budget).
- Lead and support Installation Managers located in different yards and provide assistance in overcoming technical, supply chain and client issues.

Customer Management:

- Acts as the primary point of contact with the customer.
- Maintains communications with customer on project progress, issues and risks at all levels of the organization.
- Manages scope and change requests in a proactive manner.
- Monitors customer satisfaction and address concerns.

Contract Management:

- Monitor contract delivery (i.e., specifications, costs and customer satisfaction)
- May assist in the development and negotiation of contractual agreements and/or change requests

Which candidate profile are we looking for?

- Bachelor's degree in mechanical engineering.
- 8-10 years of experience in HVAC system engineering design or experience operating/maintaining HVAC systems
- Relevant experience in engineering-related firm (an asset).
- Experience in project managing Ship Installations/Refurbishment; good working knowledge of PM software
- Good knowledge of project finance and cost control
- PMP certification (an asset)
- Excellent communication skills, both oral and written with strong relational skills (English)
- Excellent organization skills and capacity to juggle multiple tasks and resources
- Excellent business acumen for long term development is highly desirable

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