



## NEW CAREER OPPORTUNITY

Build your career with Kraken Robotics.  
Make a difference to others.

If innovation drives you, and you want a career that makes a difference to the world, helping humanity overcome the challenges in our oceans – safely, efficiently, and sustainably – **then come join us at Kraken Robotics.**

[www.krakenrobotics.com](http://www.krakenrobotics.com)

## Mechanical Engineer

Based at Kraken Robotics Newfoundland or Nova Scotia, Canada  
Full-Time – Permanent | Job Reference: KRSI-2024-09

### ROLES AND RESPONSIBILITIES

Kraken is seeking a Mechanical Engineer to join our team. This position can be based at our Mount Pearl, NL or Dartmouth, Nova Scotia, Canada office location.

Responsibilities will include, but not limited to the following;

- Design mechanical components and systems using 3D CAD software, ensuring compliance with technical specifications, industry standards, and project requirements. This applies to the breadth of Kraken products and systems. Such as: Launch and Recovery Systems, KATFISH, Synthetic Aperture Sonar (SAS) products, Deep Sea Batteries, Chargers and Mine Hunting Systems.
- Conduct finite element analysis (FEA) and simulation studies to optimize designs for safety, performance, reliability, and manufacturability. Such as stress analysis, vibration, shock and thermal.
- Develop and maintain documentation to support Kraken's products and systems. Including various types of mechanical drawings, manuals, procedures, training material, interface instructions, etc.
- Develop and maintain build instructions until official hand over to Production.
- Develop comprehensive test plans and procedures to verify requirement compliance, validating performance, functionality, and reliability of Kraken products and systems.
- Participate in projects through the entire design life cycle, including preliminary and detailed design, major design reviews, build and test.
- Manage product data and documentation using Product Data Management software ensuring accurate version control and revision history.
- Work closely with cross-functional teams, including Systems Engineering, Electrical Engineering, Manufacturing Engineering, ILS, Production, Supply Chain Management, Configuration & Documentation Management, Project Management and Business Development.
- Collaborate with suppliers, subcontractors, and regulatory authorities to ensure compliance with Kraken requirements, applicable standards, regulations, and classification society requirements.
- Support Production in developing standard Work Instructions and Safe Operating Procedures (SOPs).



- Occasionally perform physical work including assembly, disassembly, maintenance, and testing of components.
- Work with the Production department to provide technical assistance during the manufacturing process.
- Provide a client interface for Kraken technical representation.
- Work with clients to understand project requirements and provide operational support while in the field.
- Review engineering deliverables.
- Mentor Junior Mechanical Engineers and Mechanical Technologists.

## **QUALIFICATIONS AND EXPERIENCE**

- Mechanical Engineering degree or equivalent engineering discipline with 4+ years' experience.
- Knowledgeable in general machine design. (Seals, bearings, gearboxes, drive mechanisms, brackets, bolted joints, etc)
- Proficiency in CAD software for 3D modelling and mechanical simulation.
- Familiar with engineering review processes.
- Knowledge of design standards.
- Effectively focus on, and prioritize, project objectives while executing detailed design tasks.
- Demonstrated technical skills along with a proven track record for success.
- Strong written and oral communications skills (technical reporting).
- Strong analytical and problem-solving skills.
- Must be able to work independently, as well as effectively within a team environment.
- High degree of organization and attention to detail.

### **Preferred Skills:**

- Experience with the following would be considered an asset:
  - Experience with SolidWorks 3D CAD and SolidWorks simulation.
  - Experience with SolidWorks PDM. Approval workflows, version control, file structure, etc.
  - Experience with ERP systems.
  - Experience with Sonar systems especially in an ocean environment.
- P.Eng. is considered an asset.

**TO APPLY:** Email your latest CV, stating job reference KRSI-2024-09 to: [careers@krakenrobotics.com](mailto:careers@krakenrobotics.com)

## Why come work at Kraken Robotics...



**Want to apply your skills, knowledge and expertise to push the boundaries of underwater intelligence – which help governments defend and make our oceans safe, or ensure critical offshore energy and communications infrastructure is installed and maintained efficiently?** If innovation drives you, and you want a career that makes a difference, helping humanity overcome the challenges in our oceans – safely, efficiently, and sustainably – then come join us at Kraken Robotics.

Kraken Robotics offers a unique career opportunity to work with an internationally recognized leader in ocean technology that is harnessing our world class talent to provide superior subsea solutions for global security, environmental, and scientific challenges. Our highly talented team design and manufacture technology platforms for NATO navies and commercial clients throughout the world and provide acoustic 3D Synthetic Aperture Sonar (SAS) data solutions and imaging in the offshore energy sector with increasing focus on offshore renewables.

Kraken offers an attractive and competitive compensation package designed to reward our team for a job well done. With locations around the world, we support remote working packages and encourage professional and cultural collaborations. Kraken is an equal opportunity employer focused on promoting diversity, equity, and inclusion and we value the diversity of our team that contributes to our company growth and development.

**To find out more about Kraken Robotics, and discover other exciting career opportunities, visit our website, or follow us on social media:**

<https://krakenrobotics.com/about/careers/>

