

JOIN OUR TEAM!

Innovate, Collaborate and Elevate with AKA!



By joining AKA, you become a part of a community driven by innovation and a vision for a cleaner world, transforming global power utilization and increasing sustainability with cutting-edge technology.

WHO WE ARE

AKA Energy Systems (AKA) is a systems integrator that offers innovative energy solutions to various industries. With a team of electrical, mechanical, software, and automation engineers, we...

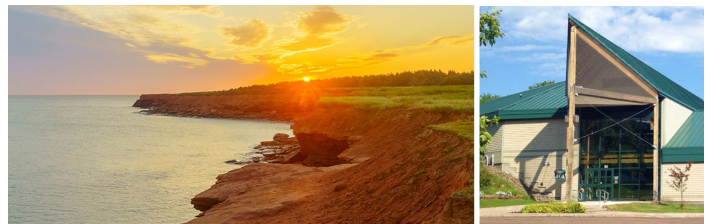
- **DEVELOP,**
- **BUILD,**
- **TEST,**
- **DEPLOY, and**
- **MAINTAIN**

Power systems in marine and offshore industries, microgrids and renewable energy technologies in land-based industries. We operate from offices located in Canada, the United States of America, Europe, and Asia, with teams deployed around the world. Engineering, Manufacturing, and Services are based primarily in our Prince Edward Island facilities.

We prioritize caring for one another, our communities, and the environment. Our goal is to create a significant and positive global impact through the development, advancement, and commercialization of technologies that enhance safety, promote environmental cleanliness, and improve overall well-being.

OUR COMMITMENT TO YOU

- Creative and challenging work environment immersed in cutting-edge technologies
- Working with experienced cross-functional teams in a globally renowned company
- Flexible working conditions and exciting travel opportunities
- Continuous training, and professional and personal development
- Opportunities to learn and work across a wide array of projects and engineering disciplines
- Competitive compensation package, including attractive group benefits.



Ahead of the Current. Local Presence. Global Reach.

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**NOW HIRING
CAREERS AT AKA**

ELECTRICAL ENGINEER

Employment: Full Time | Reports To: Chief Technical Officer | Location: Poole's Corner, PEI

ABOUT THE ROLE

As a part of AKA's electrical engineering team, the successful candidate will participate in the design, development, implementation and documentation of marine and onshore power systems.

The successful candidate will participate in ensuring projects are well defined and administered in accordance with the agreed scope, budget and schedule, while providing high levels of customer service. This position requires special knowledge, high level of education and license to practice engineering issued by a provincial or territorial engineering regulatory body in the field of electrical engineering or associated disciplines.

POSITION RESPONSIBILITIES

- Interface with customers to define project scope, technical requirements, and deliverables for marine and onshore electrical power systems
- Conduct front-end engineering analysis, including system sizing, feasibility studies, and power conversion design, to support innovative marine power plant solutions
- Provide expert technical support to colleagues and customers on company products, emphasizing DC-centric systems, battery integration, and electric propulsion technologies
- Develop detailed specifications, functional descriptions, and engineering documentation (e.g., schematics, functional flow diagrams, system descriptions) with a focus on clarity and compliance with marine regulatory standards
- Design and optimize power conversion equipment, diesel generator controls, and battery systems, ensuring robust integration into marine and onshore applications
- Ensure compliance with marine class regulatory bodies (e.g., Lloyd's, RINA, BV, ABS, DNV-GL, etc.) and onshore grid codes by directing or coordinating design, installation, testing, and commissioning activities
- Produce high-quality technical documentation, including test procedures, maintenance manuals, and troubleshooting guides, leveraging strong technical writing skills
- Support onsite commissioning, troubleshooting, and training at customer sites, with travel as required

- Review and approve engineering work as needed, taking accountability for professional and regulatory compliance
- Mentor and train Electrical Engineers-in-Training (EITs), fostering their development while ensuring adherence to legal, ethical, and safety standards
- Pursue continuous professional development, maintaining relevant designations and licenses (e.g., P.Eng)

POSITION REQUIREMENTS EDUCATION & EXPERIENCE

- Degree in Electrical Engineering or a related field or an equivalent combination of education and experience
- Professional Engineer (P.Eng) license issued by a Canadian provincial or territorial engineering regulatory body
- Extensive experience in marine electrical power systems design, including DC-centric power plants, power conversion, battery integration, and electrical machines or comparable onshore systems (e.g., grid-scale solar and battery energy storage systems)
- Proven expertise in front-end engineering analysis, system sizing, and detailed design of electrical power and control systems
- Field experience in electrical systems commissioning and testing with a focus on marine applications preferred
- Project management experience is an asset

COMMUNICATION

- Tailor technical and non-technical communication to diverse audiences, including clients, regulatory bodies, and internal teams

- Adapt communication style based on audience feedback to ensure clarity and effectiveness
- Engage effectively across organizational levels, understanding stakeholders' needs, motivations, and concerns

KNOWLEDGE & SKILLS

- Deep knowledge of electrical theory, electrical machines, power conversion principles, and system design processes specific to marine and onshore applications
- Strong understanding of marine class regulatory requirements (e.g., Lloyd's, RINA, BV, ABS, DNV-GL) and onshore grid codes
- Technical writing skills to produce clear, precise, and regulatory-compliant documentation
- Advanced analytical and problem-solving skills to tackle complex engineering challenges and devise innovative solutions
- Proficiency in software like MS Office (Word, Excel, Outlook, Access)
- Thorough expertise, utilization, and practical application of widely used engineering software, such as PSCAD, SKM Power Tools, ETAP, and similar tools
- Proficiency in using engineering testing equipment and basic measurement instruments, including oscilloscopes, primary and secondary injection testing devices, multimeters, and other diagnostic tools, to validate system performance and ensure compliance with design specifications
- Ability to collaborate within and across project teams, managing diverse workloads and meeting deadlines



HEADQUARTERS
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LOCATIONS
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CAREERS INFO
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