



Senior Project Manager and Electronic Systems Engineer

Company Description

4iiii Innovations Inc. is a Canadian sports technology company based in Cochrane, Alberta with partners situated around the world. 4iiii Innovations Inc. is a diverse team dedicated to improving personal performance through the development of superior training tools, including cycling power meters, heart rate monitors, and cycling trainers for the outdoor and indoor cycling and fitness markets. The company seeks to build not only the best and most accurate equipment but to do so at an affordable price so that every athlete can gain the benefits of better training. We're seeking an experienced and results-driven **permanent full-time Senior Project Manager and Electronic Systems Engineer** to join our team in Cochrane, Alberta.

4iiii Innovations offers a competitive compensation package, in a fun, fast-paced and exciting industry.

Role

The Senior Project Manager and Electronic Systems Engineer is responsible for leading the research, design and development of electronic equipment and parts, checking equipment quality, as well as managing projects to ensure they are within budget, completed in a timely manner and safe. This role is responsible for 2 main areas:

1. **Project Management** - Plan, execute and deliver small- to medium-sized electronics projects on time, within budget and in accordance to specifications as finalized by the end customer or project sponsor. This includes designing project requirements and scope, securing project resources, supervising the efforts of the project team members, and dealing with issues as they arise throughout each project's lifecycle.
2. **Electrical System Optimization** - Review current product performance and investigate opportunities for continuous improvement. New product development will also make up a significant part of this role.

Responsibilities and Duties

- Develop / review a Project Concept Canvass including cost-benefit analyses, risk analyses and ROI calculations to determine project feasibility
- Establish a Project Charter for each approved project, defining the project's goals, objectives, risks, assumptions, staffing levels, roles and responsibilities, work breakdown structure, milestones and deliverables
- Design, implement and supervise the implementation of a project, including addressing variances and corrective actions, and identifying opportunities for time and cost savings
- Conduct engineering critical design and manufacturability reviews on a timely basis
- Efficient delivery of project deliverables, clear communication of expectations to stakeholders, and upward reporting to senior management
- Conduct project post mortems in order to identify areas for improvement; make recommendations based on findings
- Understand constraints in engineering and manufacturing and determine solutions to alleviate these constraints



- Develop test plans and processes designed to identify and diagnose potential quality issues to improve products
- Perform technical analysis and experiments to troubleshoot potential issues which have been identified
- Develop, test and debug new embedded code for fitness products, and perform code reviews with peers (if have firmware experience)
- Research product components prone to quality issues to understand constraints and potential replacements
- Properly document test protocols and results. Includes providing detailed reports for various teams

Qualifications and Skills

- +5 years of direct work experience in project management, including successfully leading a team in delivering and executing new product development, consumer electronics and customer driven projects
- +5 years of engineering experience, preferably related to electrical, electronics or software engineering
- Postsecondary degree in a field related to computer science or engineering, preferably electrical, electronics or software engineering; Masters or PhD in a related field is an asset
- Understand full systems including interactions between different electrical components and firmware
- Proficiency in C or C++ with experience in firmware development, is desirable
- Working knowledge of Bluetooth and other wireless technologies
- Demonstrable problem solving skills, from problem identification to resolution
- Strong communication skills, both verbal and written, and able to effectively communicate with all types of staff, including technical, professional and senior management
- Ability to analyze information, and recommend courses of action to be taken
- Ability to work well under pressure and meet set deadlines
- An interest in sports, technology and leads a healthy active lifestyle

Additional Details

- 4iiii is based in Cochrane AB, however currently all non-manufacturing staff are working from home
- We strive to be an energetic team who are all passionate about fitness, wellness and cool tech!
- We work in a global market with partners in Europe and Asia as well as the Americas. Office hours need to flex to accommodate meetings in these time zones and meeting project deadlines may demand overtime as required
- 4iiii uses Google Suite products

Please apply via Indeed or by emailing hr@4iiii.com with a cover letter and resume. We thank all applicants for their interest, however, only those selected for an interview will be contacted. For more information please visit www.4iiii.com.