



Senior Mechanical / Mechatronics Engineer

AUCKLAND

Job Description

Date	January 2021
Position Title	Senior Mechanical / Mechatronics Engineer
Position Reports To	Head of Innovation & Technical Sales
Position Supervises (direct report role titles)	Junior Mechanical / Mechatronics Engineers
Key Customers (internal / external)	Internal functional teams

PURPOSE OF POSITION

As the Sr. Mechanical / Mechatronics Engineer (based out of Auckland), you will form an integral part of a dynamic and agile team that is developing solutions using AI and machine vision to revolutionise industrial processes. In this context, you are responsible for developing hardware designs and facilitating their production to assist in the implementation of the company's services across industrial and manufacturing clients globally. You will be part of a cross-functional team responsible for the product development life cycle, from conception to deployment.

ROLES AND RESPONSIBILITIES

- Create and iterate hardware and embedded systems designs fit for purpose to meet customer needs and support the company's goals
- Manage and update documentation and materials relevant to existing designs to support ongoing iteration as our systems evolve and improve with time
- Liaise with component and manufacturing partners to facilitate production to set schedules
- Assist other team members in their interactions with customers during deployments and service works
- Share knowledge and expertise with the team



- Occasional on-site hardware deployments
- Some travel required - occasionally international
- Occasionally, other services as may be reasonably required and agreed upon

SKILLS, QUALIFICATIONS, EXPERIENCE

Work Experience	Experience designing and developing robust hardware systems for heavy industrial environments. Experience in CAD for manufacture. Experience working with high power laser systems.
Role Specific Skills Experience Qualifications	<ul style="list-style-type: none"> • Advanced CAD skills and workflow. Especially for sheet metal fabrication. • Harsh / Corrosive / IP67+ environment design • Optical / Laser Design • Safety Centric design • Good communications and interpersonal skills – a team player • Extensive knowledge of manufacturing processes

COMPETENCIES

Open minded learner	Open to upskilling, working with new production and design tools. Able to learn from past experiences.
Mechanical Engineering	Knowledgeable on industry best practices for mechanical engineering.
Mechatronics Engineering	Knowledgeable on industry best practices in mechatronics.
Communication	Ability to work within a team, robustly discuss ideas, and communicate with other developers, engineers and management.
Technology Awareness	Up to date and constantly staying abreast of changes, trends, and advances in engineering, process control, embedded systems and mechanical design.
Project Management	Strong project management skills and the ability to manage multiple projects simultaneously.