

Introduction: Cyclops Marine (CML) is a fast-growing technology business, the electronic & mechanical engineering requirement is ever evolving as we launch new products and have to manage the growing demand of our existing range.

Electronics/Mechatronics Engineer	
Overall Objective	<p>Responsible for the development and maintenance of a range of wireless load measurement products based upon custom mechanical, electronic and firmware solutions.</p> <p>Support all aspects of design, production and in-field performance of the product, App and gateway.</p> <p>Align and thrive within the dynamic culture and values of the business, bringing positivity to your daily role.</p>
Skills/Experience Requirement	
Electronic design	<p>Component selection and specification</p> <p>Electronics system design</p> <p>PCB design and procurement</p> <p>Low power design and wireless charging</p>
Embedded software development	<p>Linux OS deployment on embedded systems</p> <p>Python on RaspberryPi or other embedded platform</p> <p>Javascript and HTML for UI</p> <p>C development on embedded microcontroller</p> <p>wireless communications stacks – Bluetooth and WiFi</p> <p>internet protocols including HTTP and UDP</p>
Mechanical	<p>3D CAD experience with e.g. Fusion360 or Solidworks</p> <p>Design for CNC and 3D printing</p> <p>Materials selection knowledge</p> <p>Knowledge of plastics injection moulding</p> <p>Parts specification, tolerancing and procurement</p>
Certification	<p>Product testing for electrical and RF certification</p> <p>Documentation management and traceability</p>
Production	<p>Product testing and QA – ideally experience of 6-sigma methods and tools</p> <p>Production database management</p>
Reporting to:	CTO

Candidate profile

Ideal candidate will have had hands on experience of developing an electronic product into manufacture and will thrive on complex multi-disciplinary challenges.

Degree qualified (2.1 honours) in Mechatronics Engineering or a related discipline.

A passion for engineering is essential, an interest in sailing is an advantage.

Would suit recent graduate with background of developing electronics outside of a work environment, or graduate with 2-3 years experience in company developing similar products.

Ends.