ELECTRONICS TECHNICIAN

POSITION: Electronics Technician
FUNCTION TEAM: Production and Engineering Manager
LOCATION: Randwick, NSW.

The Company

Ocius Technology is an Australian company that builds autonomous Uncrewed Surface Vessels (USVs). These USVs use the energy of the weather - sun, wind, and waves, to act as persistent monitoring and communications platforms. We are embarking on an ambitious program of building and deploying multiple USVs for operations around Australia and beyond.

The Function

The Engineering and Production function is responsible for the Design, Manufacture, Assembly of Ocius assets, namely the Bluebottle.

The function is accountable for, Designing the product focusing on Research and Development and Innovation, Production, Governance and Compliance focusing on delivery of standard operating procedures, safety and project reporting, and supporting maintenance of the assets.

The Role

The role is responsible for the assembly, maintenance, and general workshop activities.

Key Responsibilities

Assembly and Maintenance

- Assemble electronic components and systems according to specifications and schematics.
- Perform diagnostic testing and troubleshooting of electronic components and systems
- Conduct routine maintenance and repair of electronic systems on USVs.
- Collaborate with engineers to refine and improve electronic systems and enclosures.
- Assemble upgrade kits and service kits for upgrading and servicing USVs in the field.
- Manage the 3D printer, including maintenance, troubleshooting, and ensuring proper operation.
- Perform cable splicing and PCB repair.
- Assist in general workshop tasks as needed.

Operating Procedures and Documentation

- Ensure all work complies with company standards and safety regulations.
- Document assembly processes, repairs, and maintenance activities accurately.
- Maintain an organized and clean workspace in the electronics lab, ensuring inventory is well stocked and put away.
- Keep up-to-date with industry standards and technological advancements in electronics.
- Assist the procurement and inventory controller in managing and maintaining inventory of electronic components and supplies.

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Capability

Knowledge and Technical Skill	Decision Making	Problem Solving	Impact & Team Work
Technical Knowledge acquired through some specialised training (intermediate to advanced) and/or broad practical work experience. Skilled in more than one area of expertise within function.	Most work is carried out according to set procedures. Operates within guidelines for non-standard situations. Some supervision is required.	Uses existing well-defined procedures or know how to solve problems. Semi-routine or standard tasks. Decision making is limited to standard applications in own work. Ability to communicate clearly	Accountable for the quality and accuracy of own tasks and output. Errors may have impact on own team and limited impact to broader company. Work independently and within a team

Demonstrated Experience

- Working with marine electronics or similar environments.
- Knowledge of uncrewed surface vessels (USVs) or related technology.
- Proven experience in assembling, testing, and repairing electronic systems.
- Proficiency in reading and interpreting technical drawings and schematics, with upload into Confluence.
- Proficiency in cable splicing and PCB repair.
- Familiarity with safety regulations and best practices in electronics assembly and repair.
- Experience managing and operating a 3D printer.

Essential Requirements

- Australian Citizen.
- Ability to obtain and maintain a minimum of Defence Security Clearance–NV1.