



*World leading thermal  
storage technologies*

## **Job profile**

**Job Title:** Electronics Engineer

**Job Location:** Macmerry, East Lothian (Hybrid)

**Department:** Engineering

**Reporting to:** Head of Engineering

**Job Purpose:** Architecture, design, development, and application integration of Sunamp thermal storage electronics.

### **Responsibilities**

- Development of Sunamp's electronics architecture strategy.
- Customer technical engagement to establish electronic requirements for system and product.
- Concept generation, assessment, and selection of electronic solutions for integration within Heat Battery/Thermal Systems.
- Electronic design calculations, modelling and simulation.
- Prototype manufacture and proof of concept qualification testing.
- Design development and generation of component specifications.
- Support Purchasing to establish optimum supply chain.
- Oversee inhouse/external testing to ensure compliance with requirements.
- Support production through volume ramp up verification.
- Support integration and verification of product within application.
- Manage technical construction files.
- Root cause investigation and implementation of corrective actions.
- Cost engineering and cost reduction programs.
- Work collaboratively as part of the Sunamp Engineering team and build positive relationships with wider Sunamp team.
- Support new business development through sales/conference presentations.
- Add to Sunamp's existing thermal storage intellectual property (IP).

### **Essential Skills & Experience**

- Experienced in PCB design, component selection, simulation, troubleshooting & testing.
- Knowledge of PCB design using Eagle and experience of working on complex multi-layer PCBs.



- Understanding of microcontrollers, communication protocols and knowledge of programming languages primarily Embedded C will be beneficial.
- Knowledge of both Analogue and Digital design will be beneficial.
- Experience of using lab equipment's such as oscilloscope, function generator, etc.
- Awareness of new product introduction processes and product lifecycles.
- Experience within in an innovative product development environment will be beneficial.
- Proven experience delivering technical solutions to quality, schedule, and cost targets will be beneficial.
- Excellent communication and presentation skills.
- An understanding of Six Sigma and Lead methodologies is beneficial.
- Degree qualified in Electronics Engineering or equivalent.

#### **Basis and Values:**

Able to respect the basis of, and work with, our values, showing a commitment to, and understanding of the Sunamp Ltd culture.

The post may change and develop over time and this role profile may, be amended in This role profile outlines the current main responsibilities of the post. However, the duties of consultation with the post holder.