



Role Description

Role Description	Electronics Engineer
Document owner:	Chief Technical Officer
Version:	200902
Keep informed:	Electronics Engineer

1. Overview

The position within the R&D team is to design, develop and maintain hardware and embedded software for our products. The role is involved in all aspects of product design from feasibility to production, including digital and analogue circuits, and microprocessor circuits and software. The role requires good knowledge of digital and analogue electronics, and software design. Some experience of mechanical design for product cases and enclosures is a benefit. Knowledge and experience of design for manufacture and product approval processes including EMC is useful.

2. Duties and responsibilities

2.1. General

- Develop hardware for existing and new products, covering the full product life cycle. Capture customer/user requirements. Design, develop, test, and maintain hardware. Ensure designs achieve product regulatory approvals including EMC, and transfer into production.
- Develop microprocessor software covering the full software life cycle. Capture customer/user requirements, then design, develop, test and maintain software, including the release process, version control of software releases, and bug management.
- Design mechanical parts for products, including frames and housings, and for product testing equipment.
- Work both as team member on larger projects and manage own smaller software projects; plan, track and manage development tasks. Work to deadlines and adapt plans as necessary to meet project objectives. Work collaboratively with people inside and outside the R&D department to successfully achieve outcomes and results.
- Install, use and maintain tools and technologies such as PCB design tools and software development environments.
- Use company procedures, processes, and consistent styles. Write, issue and update hardware documentation; use version control.
- Investigate ideas, suggestions and problems related to existing and new products raised by internal departments including Marketing and Production, communicating, and responding to ensure issues are resolved promptly and appropriately.

3. Revision History

Revision	Changes
200902	Rebranded, Technical Director changed to Chief Technical Officer, reviewed no content changes - JC
191008	Document owner amended to Technical Director. Revision History Added