



# Role Description

Role Description	Senior Electronics Engineer
Document owner:	Chief Technical Officer
Version:	200904
Keep informed:	Senior Electronics Engineer

## 1. Overview

The position within the R&D team has significant responsibility to design, develop and maintain hardware and embedded software for our products. The role is responsible for all aspects of product design from feasibility to production, including digital and analogue circuits, and microprocessor circuits and software. The role requires an expert knowledge of digital and analogue electronics, and software design, and some experience of mechanical design. Knowledge and experience of design for manufacture and product approval processes including EMC is required.

## 2. Duties and responsibilities

### 2.1. General

- Develop complex hardware for existing and new products, covering the full product life cycle.
- Develop sophisticated embedded software for microprocessors covering the full software life cycle. Capture customer/user requirements, then design, develop, test and maintain software, including version control and release management.
- Design mechanical parts for products, including frames and housings, and for product testing equipment.
- Manage complex projects; plan, track and manage development tasks. Work to deadlines and adapt plans as necessary to meet project objectives. Supervise staff in R&D and 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 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.
- Identify opportunities, develop proposals and make plans for new products and improving existing products.

## 3. Revision History

Revision	Changes
200904	Rebranded and Technical Director changed to CTO, no content changes - JC
191008	Document owner amended to Technical Director. Revision History Added