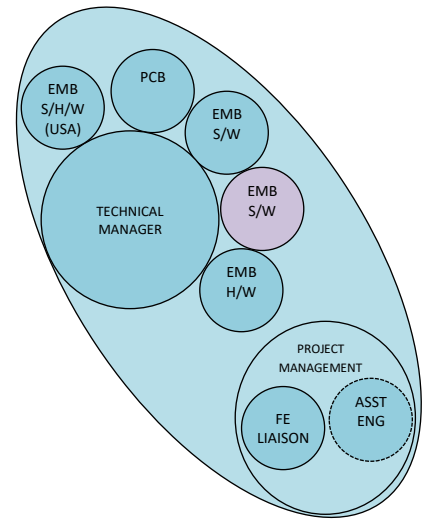


# Job Description

|                    |  |
|--------------------|--|
| <b>Title:</b>      | <b>Embedded Software Engineer</b>  |
| <b>Reports to:</b> | Technical Manager  |
| <b>Role:</b>       | To develop and design market leading electronic products and assemblies. |



## Description:

The expansion of the Corintech design team, has created a new opportunity for an Embedded Software Engineer. You will develop products for our own portfolio and for a wide range of industries and market sectors reflecting our diverse customer base. You will work as part of a design team to realise high quality products ready for manufacture in our UK and Far Eastern facilities.

Product complexity will vary greatly, from a high-speed Linux based SBC with integrated TFT, to an IoT sensor using Bluetooth mesh, to a simple indicator panel for the alarm industry, and everything in between.

## Job Outline:

- Review product specifications and propose software solutions.
- Brainstorm ideas for new products.
- Research, develop and design electronic products, including:
  - Embedded software development in C.
  - Application and test software development.
- Produce reliable, high-quality products, which fully meet the specifications and applicable industry standards.
- Liaise with Production Engineering and Production staff while migrating products into manufacturing.

## Skills and Experience:

The candidate will probably be degree qualified in a Software Engineering discipline and have more than one year experience in the design of electronic products. They will have a good understanding of the most up-to-date software development methodologies, a working knowledge of electronic subsystems and experience of working at the hardware level.

### Must have:

Embedded C, Embedded Linux, RTOS, Hardware Level Interaction, 32bit Microcontrollers and Microprocessors, Debugging and Testing.

**Nice to have:**

GUI Packages (QT, EW, TouchGFX), RTOS (FreeRTOS, Zephyr) Yocto, Gitlab CICD, National Instruments LabView, Communications Protocols (USB, UART, SPI, I2C, CAN, Ethernet, Bluetooth, NFC), Ultra-Low Power.

**Key Words & Phrases:**

ULTRA-LOW-POWER, RTOS, MICROPROCESSORS, COMMUNICATIONS PROTOCOLS, GUI