

**Job Title:** Embedded Software Engineer

**Reports to:** Group Technology Leader

### **Company Overview:**

The Company was founded in 1982. We are specialist designers and manufacturers of energy saving motor control equipment. Based at Lee Mill, near Plymouth, we serve industrial and commercial markets worldwide, with 85% of our annual sales being exported.

Today, with a successful track record recognised around the world, we are known internationally as the pioneers of digital soft starters and are still innovating and diversifying our product ranges today.

We pride ourselves in being a great & ethical company to work for with our high level of staff retention and with current plans of growth, are now seeking to increase our workforce.

### **The Role:**

As our Embedded Software Engineer, you'll be a part of an experienced team with the freedom to work on exciting new projects and technologies.

You will be responsible for the development of Soft Start motor controllers, ensuring that the embedded software design is robust so that applications are accurate, reliable, and maintainable. Initially working on PIC micro-controller as well as future projects using other controllers with ARM cores.

In addition, there is a requirement to optionally integrate with other aspects of the product development process such as electronic circuit design, power electronics, thermal analysis, and development of PC based remote-control tools.

**Requirements:**

Graduate in Electronics, Computer Science, Engineering, or equivalent experience gained in an embedded software development environment

A strong background in developing real-time embedded C code and programming Microchip PIC controllers (bare metal and RTOS)

Ability to develop software fulfilling requirements to optimise software for speed, memory constraints and maintainability.

Experience in interfacing embedded software with peripherals at low level (SPI, I2C, UART, USB) as well as high level (Modbus, TCP/IP).

Familiarity with embedded development tools such as debuggers, oscilloscopes, and analysers

Familiarity with source control software and the peer review process

**Highly advantageous to have:**

The Ability to design and fault find electronic circuits.

Experience in PCB design using Altium Designer

Knowledge of interfacing electronic hardware with electrical systems and the basic principles of motor control.

Use of PC based programming languages such as C# and Python.

**Salary:** Dependant on experience

**Starting Date:** Immediate

**Package:**

Healthcare

Contributory Pension

Life Assurance

25 days holiday pa

On-site parking.

Friendly and modern, air-conditioned working environment