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# Role Profile: Senior Electronics Engineer



**Smart Component Technologies**

Cooper Buildings Arundel Street Sheffield S1 2NS Tel: +44 (0) 114 360 0009

[info@smartcomptech.com](mailto:info@smartcomptech.com) [www.smartcomptech.com](http://www.smartcomptech.com)

## Purpose of the Role

We are seeking an exceptionally talented, ambitious and highly self-motivated Senior Electronics Engineer to help lead the Electronics Division of a leading-edge technology company focused on exploiting the multi \$trillion-dollar Industrial Internet of Things (IIoT) market. Working alongside Software and Mechanical Leads, the successful candidate will be responsible for the development of a series of novel, low-cost and low-power sensor products for safety and performance critical assets in the oil, gas and rail industries. The successful candidate will be involved with every stage of product development, from concept to production release.

## Essential Skills and Experience

- Firmware (predominantly embedded C)
- PCB layout and design
- Sensor design (i.e. proprietary sensor development) and sensor integration,
- Analogue and digital circuit design,
- Knowledge of communication protocols, both wired and wireless (BLE, UART, SPI, I2C, etc.)
- Hands on experience with general lab equipment (soldering stations, power supplies, oscilloscopes, DMM, etc.).
- Degree in Electronic Engineering or equivalent,
- Design for product compliance (EMC, CE marking, etc.),
- Over 5 years' industry experience.

## Desirable

- Design for manufacture,
- Familiar with low power sampling regimes,
- Knowledge of product design cycles (plan, design, test, documentation),
- Knowledge of source code control and configuration management,
- Knowledge of Oil, Gas or Rail industries.

## Salary/ Benefits

£40,000 - £60,000

The company will offer the highest levels of recognition and reward to attract the best talent.

Salary will be reviewed on a quarterly basis, with salary increases being performance related.

## Location

The successful candidate will be based at the Cambridge office (Cambridge Science Park, CB4) and there will be regular travel to customer sites.

## Other

Reporting to: Technical Director

40 hrs/ week

Flexible working possible