



## Junior Embedded Engineer position

Lightricity is a growing high-tech SME which has developed a unique light (photovoltaic) energy harvesting technology. Our technology provides power to smart devices and sensors without the need for disposable batteries, providing a sustainable and cost-effective solution for powering billions of smart devices and sensors.

We are seeking a talented embedded systems engineer to join our development team based on the Oxford Science Park. This is a hands-on role that offers a unique opportunity for a graduate or junior engineer to be an integral part of a highly innovative, supportive, and motivated development team. We offer a competitive salary, competitive company benefits, and support to learn and develop.

### Responsibilities:

- Support the development of firmware and electronics for a new generation of energy harvesting powered wireless devices
- Taking ownership of some aspects of embedded development such as wireless communications and interfacing with sensors, including lab and field testing
- Working within the development team to define design requirements and development of the firmware and electronics from concept through to manufacture
- Support demonstration of solution to internal & external stakeholders and to customers
- Write and maintain technical documentation

### Required skills/experience:

- Degree in Electronic Engineering, Computer Science or similar, with modules covering some aspects of these requirements
- Embedded C development experience
- Experience of working with ARM based devices
- Building, testing, and debugging electronic systems (software and hardware)
- Attention to detail in software design and implementation
- Strong debugging and problem-solving skills
- Eligible to work in the UK

### Desirable skills/experience:

- Any embedded systems and IoT development experience
- An understanding of common wired and wireless communications protocols including I2C, SPI, LoRa or other low-power wireless protocols
- Experience interfacing microcontrollers to a variety of sensors
- Experience developing for low power applications
- Expertise in embedded software engineering best practice with ability to write good quality, robust, reliable, and maintainable code
- Knowledge of version control systems
- Experience developing software in a high-level language such as Python or C#

To apply for this position please send your CV and a covering letter to [jobs@lightricity.co.uk](mailto:jobs@lightricity.co.uk)