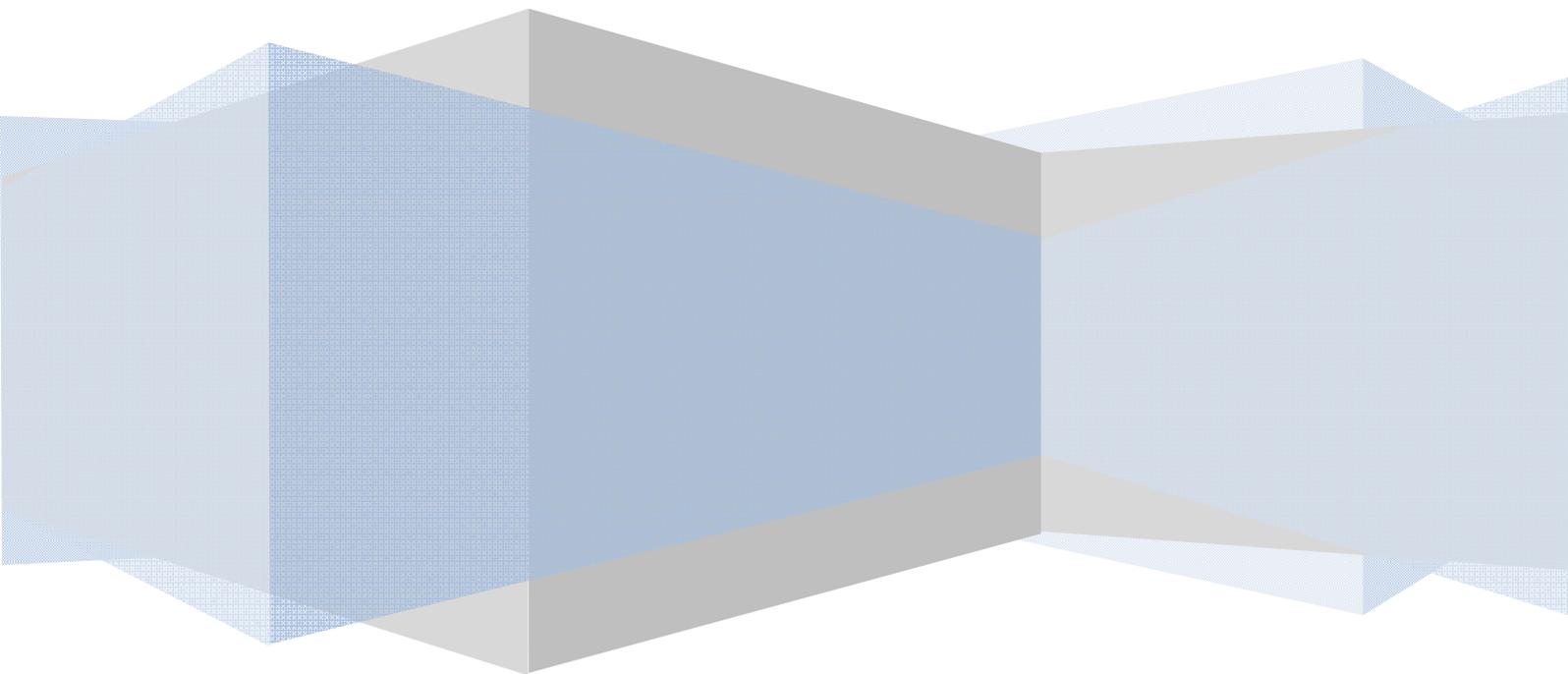# Job description

Position EMB-002

Graduate Embedded Software Engineer

Company Description: Connectivity is revolutionizing the way people and machines interact. Wireless technologies are being embedded everywhere in laptops, mobile phones, sensors, cameras, TV, Audio equipment and many other electronic devices. If you would like to participate in this exciting industry and see your work quickly being brought into products, contact us now. Blue Creation is a consultancy focused on wireless connectivity. We design devices from specifications to production. These devices always incorporate technologies such as Bluetooth, Wifi and Zigbee. Our customers range from global brand-name companies to smaller start-ups developing advanced innovative products. We are looking to recruit engineers to help grow the company.

Job title: Embedded Software Engineer

Location: Cambridge with occasional travel

Job Description: The role of the software engineer is to develop software for a range of wireless chips. This may be either embedded software running on the on-chip processors or associated software running on a host processor. For the embedded software, this involves coding in 'C' and assembler within a resource constrained multi-processor environment. Host software is written in a high level language such as C or C++. In both cases, some use may be made of scripting languages such as Perl and Python. In addition, the candidate will be brainstorming with team to propose solutions for customers needs, assisting sales with customers' proposals and developing software for new prototypes with advanced functionality. Successful candidates will progress to a senior role managing customers and/or become leading experts in their field.

Key Responsibilities: You'll be responsible for developing embedded Software and algorithms to control and deliver new features and applications within new and future products for use within the connectivity area (headsets, car kits, embedded sensors, security devices, etc.). Responsibilities include contributing to requirements capture and task definition, develop and test software to agreed timescales, maintain software including defect investigation, deliver high quality software in line with the company targets, assist with external inter-operability and compliance test events. The initial assignment will be developing software on an embedded system for an advanced Bluetooth device. This device will connect to Smartphones such as the iPhone, Blackberry and Android based phones. More details will be disclosed to successful candidates.

Requirements:

- Degree (or equivalent qualification/experience) in maths/science/software/electronics
- Embedded C/C++ development skills
- Good understanding of embedded software design and debug techniques
- Keen interest in software development and passion or technology
- Effective team player, good communicator and ability to be autonomous

Desired:

- Experience with Bluetooth or Wifi communication protocols
- Understanding of processor architectures and peripherals