



## **Electronics Manager**

Semiconductor devices provide the foundations on which progress in the technology sector are enabled. From Smartphones to Artificial Intelligence, 5G communications to autonomous vehicles, all are made possible through advances in semiconductor processes. Scaling these processes requires sub-nanometer measurement of increasingly complex 3D structures to enable more powerful devices. At **Infinitesima** we have pioneered a revolutionary atomic precision 3D metrology technology which has been qualified by leading companies in the semiconductor industry and we believe is essential for continued progress. To quote Lord Kelvin, *'If you can't measure it you can't improve it!'*. Come and join our dynamic team to enable the semiconductors for tomorrow's technological developments.

### **The Opportunity:**

We currently have an exciting opportunity for an Electronics Manager to join our Engineering team, working as part of the team of engineers and scientists to drive the development of existing and next generation products. A key contribution to the product success is owning and maintaining the overall electronic architecture.

The role requires working with strong problem-solving skills to develop the electronics for a complex instrumentation system consisting of communications, networking, optics, electro-mechanics, control algorithms, motion control systems, precision mechanics, and embedded software elements. It will include analogue and mixed-signal circuit design, guiding layout design, prototyping and prototype testing, and test jig development within a small multidisciplinary team. It will also include wider electronics architecture definition and providing technical guidance to less experienced colleagues within the electronics function and the wider engineering team.

The role will be heavily hands-on but will have one direct report and will therefore suit an exceptional Technical lead or Senior Electronics Engineer looking to grow with a management role.

Location: Abingdon

Reporting to: Director of Development and Engineering

### **Key Responsibilities:**

- Own and maintain the electronic architectures of Infinitesima products, including current and legacy systems and the roadmap for future development.
- Perform development activities to innovate new electronic solutions, create new features and improve performance of existing and new products.
- Work hands-on with the equipment and apparatus to evaluate the performance of concept and implemented designs.
- Guide the PCB layout process, defining constraints and requirements for third party contractors.
- Manage, develop and represent existing electronics team to be effective functional lead working in a matrix development environment.
- Work effectively and flexibly as part of a multidisciplinary team.
- Support manufacturing and service in fault finding, component shortages, and obsolescence.

- Communicate effectively at all levels with a diverse set of peers, customers, and vendors.

### **Personal Qualities:**

- Embody the company values: Collaborative, Caring, Commitment, Customer focussed and Continuous improvement.
- Self-management: Able to work independently, setting priorities for own work based upon the company goals and targets.
- Teamwork: Engages with other members of the company to bring the best solutions to the problem and recognises the value that fellow company members bring to enhance own abilities. Supports colleagues with their tasks when critical to the company goals.
- Impact and Influence: In own field establishes themselves as the knowledge centre.
- Ownership & Initiative: React and address both short- and medium-term issues and proactively takes action to solve them.
- Results Orientation: Focus on the company goal, avoid distraction, making timely decisions to achieve the target.

### **Education / Qualifications:**

- Either a BSc/BEng in Electronic Engineering or similar, or a clear growth path through engineering apprenticeship and design positions.

### **Professional Skills/ Abilities:**

#### *Essential*

- Experience (5+ years) of practical engineering development activities.
- Experience in circuit design and ability to guide PCB layout specialists.
- Excellent communicator - Fluency in written and oral technical English.

#### *Desirable*

- Experience of data acquisition systems operating, analogue signal conditioning for optical signal detection, instrumentation systems and piezo drive electronics
- Experience of mentoring or guiding less experienced team members.
- Project/technical leadership of electronic designs and architecture.
- Experience of designing for EMC and product compliance.

### **Benefits:**

In addition to a competitive salary and an annual bonus. Infinitesima offers flexible working hours, hybrid working, 25 days annual leave, death in service and private health care benefits, personal pension contributions of 4% with salary sacrifice and a generous EMI Share scheme.

*All qualified applicants will receive consideration for employment without regard to race, colour, religion, sex, sexual orientation, gender identity, national origin, or disability.*

*Note to recruitment agencies: Infinitesima Ltd only works with approved agencies and does not accept unsolicited agency CVs. Please do not submit candidate details in response to this advert, or to any Infinitesima Ltd employees. Infinitesima Ltd is not responsible for any fees related to unsolicited CVs.*