



Systems 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 a Systems 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.

The role requires working with strong problem-solving skills to manage the systems aspects of a complex instrumentation system consisting of optics, electro-mechanics, control algorithms, motion control systems, robots, precision mechanics, communications, networking, embedded software elements and environmental handling (air flow, temperature, vibration etc.). It will also include wider systems architecture definition and providing technical guidance to less experienced colleagues within the systems function and the wider engineering team.

The role currently has five direct reports therefore suit an exceptional Technical lead looking to grow with a management role or an existing systems manager.

The Systems Manager is responsible for managing a team of engineers within the engineering department, focused on the development and production of the complex analytical scientific instruments. The Systems Manager will work closely with the Project Managers and other cross-functional teams to ensure that the engineering team is delivering on project goals, meeting quality standards, and continuously improving processes.

Location: Abingdon

Reporting to: Director of Development and Engineering

Key Responsibilities:

- Manage development activities to innovate new product solutions, create new features and improve performance of existing and new products.
- Manage, represent and develop existing systems team to effectively work within a matrix development environment.
 - Assign team members to projects and allocate resources based on project needs and availability
 - Develop and maintain engineering processes, procedures and best practices, and ensure adherence to them

- Ensure that all team members are trained and equipped with the tools, skills, and knowledge to complete their tasks effectively
- Provide technical guidance and mentorship to team members, and foster a culture of continuous learning and improvement
- Manage performance and provide feedback to team members, and identify training and development needs
- Ensure that all engineering activities comply with quality and safety standards, and identify opportunities for improvement
- Provide regular progress updates to the Engineering Director and other stakeholders
- Own and maintain the systems architectures of Infinitesima products, including current and legacy systems and the roadmap for future development.
- 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.
- Work effectively and flexibly as part of a multidisciplinary team.

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:

- At least a BSc/BEng in Engineering or similar, or a clear growth path through engineering apprenticeship and more senior positions.

Professional Skills/ Abilities:

Essential

- Experience (5+ years) of practical engineering development activities.
- Experience within an industrial setting of systems work
- A strong understanding of standard ways of working within an engineering company (e.g. agile, waterfall, product lifecycle management, engineering change procedures etc.).
- Excellent communicator - Fluency in written and oral technical English.
- Experience of designing with (predominantly safety) compliance in mind.

Desirable

- Experience of metrology systems
- Familiarity with semiconductor industry
- Familiarity with multiple of the aspects of the system listed above
- Experience of mentoring or guiding less experienced team members.
- Project/technical leadership of systems teams.

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.