



Infinitesima Limited
1 Hitching Court
Blacklands Way
Abingdon OX14 1RG
United Kingdom

Tel: +44 (0) 1235 525 922
Email: info@infinitesima.com

Job Description Experienced Systems Engineer

Location Abingdon

Reports to Engineering Director

Infinitesima provides innovative nanoscale imaging products to leading companies in the semiconductor industry. With the expanding scaling requirements in the semiconductor industry, our technology is increasingly important. This offers new and exciting opportunities to grow into this market. To support this activity, we currently have an opportunity for an experienced Systems Engineer to join our Engineering team, The prime function of the role is to make and maintain the system design for Infinitesima's products

Key Responsibilities

- Make the overall system design, defining the contributions from mechanics, optics, electronics and software and communicate to all contributors.
- Make and maintain system functionality breakdowns to mechanical, electronic, optical and software modules.
- Build an in-depth understanding of the machine operating characteristics.
- Make and maintain system performance budgets – understanding how each module contributes to the total system performance.
- Feed forward learning from integration testing into new designs

Personal Qualities:

- Able to work independently, setting priorities for own work based upon the company goals and targets.
- Engages with other member for the company to bring the best solutions to the problem recognise the value that fellow company members bring to enhance own abilities. Supports colleagues with their tasks when critical to the company goals.
- In own field establishes themselves as the knowledge centre.
- React and address both short and medium term issues and proactively take action to solve them.
- Focus on the company goal, avoid distraction, making timely decisions to achieve the target.

Education / Qualifications:

- Bachelor's degree or higher coupled with industrial experience.

Professional Skills/ Abilities:

Registered Office: 1 Hitching Court, Abingdon, Oxfordshire, OX14 1RG U.K. **Company No.** 4258410 **UK VAT No.** 779 6245 72

- Essential: Ability to diagnose and fault-find to component level
- Essential: >5 years' experience in a Design Leadership role
- Essential: Experience working on complex instruments containing, for example, optics, electronics, software, motion systems.
- Ideally: Experience in micro/nano analysis or relevant fields.
- Ideally: Experience of Systems Engineering within leading-edge instrumentation, measurement or advanced process tools, for the Semiconductor or similar end-user industry