

**Salary :** £39-45,000 pa dependent on experience

**Role :** Senior Electronics Engineer

**Start Date :** Immediate

**Description :** Craft Prospect is looking for a senior electronics engineer with hands-on experience through to production, test and delivery. You will work together with the system engineering, embedded systems, and mechanical teams at the company in support of systems development and integration for various small satellite payloads and missions. These include onboard processing systems and secure quantum optical communications. You will support projects with the design, integration and test of dedicated electronic systems both from a holistic hardware and software perspective, initially working on existing designs and prototypes but ultimately following a concept through prototyping to flight systems.

*The company seeks to develop a diverse and inclusive team, and encourages applications from all backgrounds. In recognition that different groups may respond to job specifications differently and that our developing talent pool can come from all quarters, we seek to minimise the number of prerequisites in any role and rather recruit for attitude, and ability to positively contribute to our small but growing team and our work.*

**Responsibilities :** Design and delivery of electronic systems

Design of PCB based on system requirements capture through schematic capture, layout and supporting manufacture

Integration and debug of electronic systems into complex payloads utilising appropriate laboratory equipment

Selection of suitable electronic components for space

Perform electronics testing for the space environment

Manage small scale production runs with local supply chains

Rapid prototyping of solutions to support agile development projects

Generation of design and test documentation

Support and maintain lifecycle of electronic systems

**Requirements :** Experience with Altium Designer and Spice simulation

Experience designing multilayer PCBs with BGA components

Experience designing analogue and digital circuits  
Experience designing power (dc/dc) circuits  
Experience designing interfaces (e.g. CAN, SPI, I2C, USB, GigE, LVDS)  
Experience of production and manufacture of PCBs  
Able to use common electronic test and manufacturing tools  
Experience developing and implementing acceptance and test procedures  
Developing leadership skills, taking responsibility for delivery  
Good team player with excellent customer interfacing skills  
Strong communication skills  
Desire to work in an SME environment and positively contribute to culture

**Preferred :**

Experience with production of electronics for space or similar high-reliability  
Experience with environmental testing for space  
Embedded systems design experience for FPGA hardware and ARM MCUs  
Experience of high speed communications with FPGAs or other devices  
Experience with simulation software for PCB and board stack-up  
Sovereign supply chains and product assurance  
Interest or experience of AI and quantum technologies

**Line Manager :**

Engineering Support Lead

**About us :**

Craft Prospect is a young engineer-led company in its eighth year having consistently doubled turnover and headcount in early years, picking up a number of awards and recognitions along the way, before securing and leading on a multi-year €19Mn VOLT mission with the European Space Agency. We work on projects for commercial customers and space agencies, as well as cutting edge R&D. We want to develop our employees to become stakeholders within the organisation, able to work within a team leading projects and developing future space mission concepts to make a positive impact. Our diverse team includes former leads of national space missions, experienced industry professionals, and specialist experts in niche domains. You will be given the opportunity to support the ongoing development of the company, while we work with you to support your career aspirations.

See more at: [www.craftprospect.com](http://www.craftprospect.com).

**Benefits :**

4 day week option at 80% FTE (Tu-Fr minimum)\*, up to 16% pension (matched salary sacrifice), wellbeing and personal development budget, team training and away days, stake in employee ownership sharepool (holding 20% of business) and opportunity to earn your own shares via a Share Incentive Plan

\* subject to legal requirements related to right to work

**Location :** Glasgow, UK

**Applicants :** Applicants should email a cover letter and CV to [recruitment@craftprospect.com](mailto:recruitment@craftprospect.com), using reference 24-01072

**Closing Date :** An initial closing date of 30<sup>th</sup> September 2024 is planned, however this may vary depending on the applicants and go live dates, so our recommendation would be to apply early.