



Grade :	Research Associate
Salary :	£32-38,000 dependent on experience
Term :	Permanent
Role :	Quantum Systems Engineer
Description :	<p>Craft Prospect is looking to expand its team. We are looking for a passionate physicist or engineer to support us to realise space projects from concept to delivery. The initial focus of work will be working on the hands-on delivery of a quantum optical communication payload and related ground systems for upcoming quantum communication missions and future secure telecommunication mission, and potentially developing through into other applications of quantum technologies. As a small team you will be expected to ensure that any gaps in the development process are identified and take action to fill them.</p>
Responsibilities :	<ul style="list-style-type: none">Leading submission of high quality proposals to clientsDevelopment of in-house capabilities for quantum technologiesIntegration and testing of optical payload and quantum componentsSolution and requirement engineering for potential customers and clientsSupporting the design and delivery of new productsLeadership of hands-on build and testing of quantum optical systemsManagement of systems delivery within quantum teamGeneration of design and test documentation
Requirements :	<ul style="list-style-type: none">Hands-on experience of (quantum) optics and laser systemsExperience in designing, integrating and testing optical systemsKnowledge of miniaturisation for quantum technology assembliesApplied experience of electronics, optical and/or mechanical systemsAbility and initiative to work autonomouslyStrong communication skills, and able to present to a range of stakeholdersDesire to work within a small dynamic teamAble to work in UK, from March 2024 onwards
Preferred :	Knowledge of quantum key distribution

Experience with performance testing of quantum optical systems
PhD or masters in quantum physics, applied optics or STEM equivalent*
Experience working with embedded systems for testing
Knowledge of CubeSat systems and design for space
* alternatively hands-on experience would be appropriate

Line Manager : Quantum Technology 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 €17Mn 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.

Benefits : 4 day week option at 80% FTE (Tu-Fr minimum)*, flexible start-end times, 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

Workplace presence is a requirement for the position.

Applying : Applicants should email a cover letter and CV to recruitment@craftprospect.com, using reference 24-01070.

Closing date : An initial closing date of 31st March 2024 is planned, however this may vary depending on the applicants and go live dates, so our recommendation would be to apply early.