

Glide2 Parafoil Recovery System

Code: 20/54

Company: NewSpace Systems Limited

Location: Remote/ Satellite Applications Catapult, Harwell Oxford

Company Description:

NewSpace Systems (NSS) is an advanced manufacturer of spacecraft sub-systems and components. Particularly strong in the area of Attitude Control Solutions; NSS predominantly focuses on excelling in the operational constellation market. Currently NSS is embarking on an exciting new project in space asset recovery.

Project Description:

Supporting the requirements phase of a de-risking/demonstration system for space asset recovery. Specifically, the intern would be supporting the project in areas related to RF communication, mechanical design, and flight dynamics.

A new and exciting area of technology, the applicant will gain skills in the areas of space to ground communications, flight engineering and parafoil dynamics, and practical experience in mechanical design, software radio development, and coding.

In addition, through supporting the NSS team on defining component level requirements, the applicant will learn how their specific components fit into the overarching system design and the wider system level requirements/specifications.

The applicant will also gain some experience in 'soft skills' as they relate to procurement, quality assurance in the workplace, configuration management, interacting with customers and teamwork etc.

Applicant Specification:

Electronic Design Engineer – Internship (Space Projects)

Minimum Requirements:

Qualifications:

- Communications Engineering Degree or Electronics Engineering Degree

Experience & Knowledge:

- Studying or has some background in RF communications techniques/software defined radio and/or data coding.
- Preferably someone who is studying mobile comms.

Preferred Additional Requirements:

- Strengths in Software Defined Radio

Further details:

8 weeks minimum fixed term contract to be agreed with successful candidate. Virtual Induction Event to be held on 15 July 2020. Ideally to complete before the start of the next academic year. Salary is £1,500 per calendar month gross.

Closing Date for Applications: 5pm Monday 13 July

Applications should be made through the online form attaching a CV, before the closing date. Please note that elements of the form left incomplete will be deemed to render the application ineligible. They will be checked for eligibility and forwarded to the employer.