

Space Debris Business Analysis

Code: 20/23

Company: Astroscale

Location: Harwell Innovation Centre, Harwell Campus, Didcot

Company Description:

Astroscale is the first private company with a mission to secure long-term spaceflight safety and orbital sustainability for the benefit of future generations. Founded in 2013, Astroscale is developing innovative and scalable solutions for satellite end-of-life and active debris removal services in order to mitigate the growing and hazardous build-up of debris in space. Headquartered in Japan with offices in the UK, Singapore and the US, Astroscale is a rapidly expanding venture company, preparing to solve a growing environmental concern. Astroscale is currently developing its second mission, ELSA-d, a technology demonstration for end-of-life services and pursuing complementary missions with potential customers.

Project Description:

Astroscale is defining the business case for debris removal services and working with national space agencies, international institutions, non-profit organizations, insurance companies, and satellite operators to develop norms, regulations, and incentives that contribute to the responsible use of space.

As we develop future missions to de-orbit failed satellites, Astroscale is seeking an intern support on the following initiatives:

- Lead analysis of potential customers for future Astroscale missions to support internal strategic decision-making.
- Maintain and optimise internal databases that track relevant business information.
- Develop cost estimates to assess the future pricing of debris-removal services.
- Investigate how satellite operators evaluates debris removal strategies and quantify the effect of Astroscale's services.

The intern will be provided with background information and internal training to support them with these activities, as required. This internship will include working closely with both the business development team and the engineering team and feed into wider business analysis of Astroscale's future operations. Astroscale's work environment is fast-paced and dynamic, with plenty of opportunities to learn and contribute. The intern will gain experience working in a global start-up at the forefront of space sustainability.

Applicant Specification:

Academic:

A maths, economics, and/or business background with interest/experience with the space industry would be preferable. An aerospace background with experience/interest in business and economics or policy would also be a good fit.

Minimum Requirements:

The intern must have some knowledge or significant interest of space and the satellite industry; quantitative analytic skills; Excel and PowerPoint proficiency. Other requirements include:

- Passionate about space with knowledge of the space environment and space debris
- Analytical mindset and strong quantitative skills – ability to think critically and creatively
- Strong communication skills (written and verbal) including to technical and non-technical audiences
- Ability to work in a team and individually
- Self-motivated, proactive, and willing to take initiative

Desirable Requirements:

- Understanding of the global space and satellite industry
- Interested in space sustainability and space debris
- Experience in report writing

Further details:

2 months fixed term contract to be agreed with successful candidate but nominally with a start date around 13 July 2020, with a completion of around 11 September 2020.

Salary is £3,000 in total (£1500 per month) that covers accommodation support, travel and salary. There is a requirement to attend a SPIN induction day at the Satellite Applications Catapult around 17 June 2020.

Closing Date for Applications: 5pm Monday 27 April

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.