

**Project 18.31: NightLights: Business Case & User Requirements**

**Company: Alba Orbital**

**Supervisor: Andrew Paliwoda / Robin Sampson**

**Location: Glasgow**

**Company Description:**

Traditionally satellites have been very expensive, even the smallest commercial satellites like Cubesats cost six-figure amounts to build and launch. Alba Orbital develop pico-Satellites which weigh <1kg, and cost significantly less. While, offering almost all of the advantages of a CubeSat.

AlbaOrbital aims to 'democratise' space, allowing affordable access to anyone. They are currently working on 2 platforms - Unicorn-1 and Unicorn-2 and are preparing for the launch of their first satellite on the Vector-R test launch, Q4 2018.

AlbaOrbital also provide technical support and parts for those launching, designing and building picoSatellites.

**Project Description:**

Building on the work of a student research project, the intern will investigate the market potential and technical requirements of a satellite constellation imaging the earth at night. Alba Orbital believe that there may be a business case in this area but do not currently have enough resources to fully investigate the concept. The intern will preform:

- Market research and analysis (using both qualitative and quantitative research through primary and secondary resources)
- Requirements Engineering
- Potential user interviews
- Strategic suggestions

**Applicant Specification:**

**Minimum Requirements::**

A strong interest in space and satellite technology

Strong communication skills

Experience in sales or marketing

Entrepreneurial Nature

Registered student (Undergraduate or Postgraduate)

**Preferred Additional Requirements:**

Business/Social Science degree (postgraduate preferred)

Engineering Background



**Further details:**

8 weeks minimum fixed term contract to be agreed with successful candidate but nominally with a start date around 18 June 2018, when the SPIN Induction Day will be held at the Satellite Applications Catapult, Harwell. Salary is £1,200 per calendar month.

**Closing Date for Applications: 17:00, Friday 8 June 2018**

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.

**Apply here:** <https://sa.catapult.org.uk/people/space-placements-industry-spin/>