

UK Launch OMV Systems Integration Laboratory

Company: Lockheed Martin UK

Location: Harwell Campus, Oxfordshire

Code: 18/59

Company Description:

Lockheed Martin UK specialises in the development, integration and sustainment of advanced technology systems, products and services. The company works with more than 100 business partners and employs more than 3,000 people in the UK across 21 sites, working on a wide range of major programmes spanning the aerospace, defence and civil sectors. Lockheed Martin UK has been awarded two grants by the UK Space Agency (a) to conduct a pathfinder launch from the UK and (b) to develop an Orbital Manoeuvring Vehicle that can deliver a complement of CubeSats to individual specified orbits.

Project Description:

As part of the Launch UK programme, Lockheed Martin has been awarded a grant by the UK Space Agency to develop an Orbital Manoeuvring Vehicle (OMV) that will act as the third stage of a UK launcher, with the goal of flying the first of these on the inaugural mission from the UK spaceport on the A'Mhoine peninsula in Scotland. The OMV will accommodate six 6-U satellites and deploy them in to individual orbits. The OMV programme calls for a System Integration Laboratory (SIL) to be developed. The OMV (assembled by Moog in Reading) will be transported to the SIL at which point the satellite complement for a specific mission will be integrated and tested, prior to shipping the complete payload to the launch site. The DISC facility at Harwell is the favoured location for the SIL. The Intern will assemble an initial design document for the SIL, considering the programme requirements and constraints, and mapping the workflow through the SIL. This task will involve liaison between the various experts in the Lockheed Martin consortium, including Moog and the Satellite Applications Catapult (which operates the DISC), coordinating and digesting the information obtained into an outline design document and specification for the SIL, which will be the primary output of the work.

Applicant Specification:

The Intern should have an engineering and/or programme management competence. The role will entail communicating with expert engineers within Lockheed Martin and its consortium partners, digesting and balancing the information obtained to produce a coherent end-to-end picture of the SIL and its technical and operational requirements.

Minimum Requirements:

It will be important for the Intern to be a good communicator with the confidence to interact effectively with people at all levels and be able to formulate and articulate a clear plan as a result. Enthusiasm and drive are a pre-requisite. The Intern would also be willing and able to undertake a BPSS Security Clearance check to enable access to Lockheed Martin UK sites and IT infrastructure.



Preferred Additional Requirements:

An understanding of the Space and related sectors in the UK.

Further details:

8 weeks minimum fixed term contract to be agreed with successful candidate but nominally with a start date around 1 Jan 2019, with a completion, at latest, by 28 Feb, 2019. Salary is £1,500 per calendar month.

Closing Date for Applications: 5pm on the 28th November, 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.