

## 19/06 - Propulsion Engineering Team Placement

### Thales Alenia Space in the UK Ltd

***Please note:***

*Applicants must have the legal authorisation to reside and work in the UK in order to be considered for this placement*

*Priority consideration will be given to applicants that are towards the final stages of academic study or have recently completed their study.*

**Location**

Building R27, Fermi Ave, OX11 0FA Didcot

**Company Description**

Thales Alenia Space (TAS) has more than 40 years' experience in designing, integration, testing, operation and commissioning of innovative space systems. Using some of the world's most sophisticated technologies, we meet the needs of a variety of commercial, government, scientific and security customers. Our teams create the technology to monitor our oceans, help us better understand climate change and drive scientific progress. We also have developed key parts for the International Space Station and play a pivotal role in exploring the universe.

Thales Alenia Space in the UK (TASitUK), started in 2014, has over 160 employees between three sites in Bristol, Harwell and Belfast. TASitUK specialises in early stage technology development, satellite propulsion, radiation hardened electronics, small satellite design and assembly.

**Project Description**

The Centre of Excellence for Propulsion Engineering at Thales Alenia Space is located at the UK in Harwell.

The person on placement will be assigned duties that could encompass a range of Propulsion Engineering-related activities. This may include providing direct support to - and assisting and undertaking research for;

- Sub-system design and analysis,
- Fluidic equipment (tanks, valves or filters) or propulsion thrusters/engines,
- Planning and updating assembly, integration, test and verification schemes
- Integration and test processes and requirements for test plans, test procedures at subsystem level

The length of the placement is 12 months.

**Student Specification:**

The student is required to have an open mind and be highly adaptable. They will need a good general Space or aerospace engineering with a clear particular interest in propulsion engineering or engineering relating to pressurised systems.

A knowledge of Space technology and systems is helpful but not mandatory. Desirable traits include:

- An appreciation of business in engineering;
- Ability and willingness to give presentations in meetings / conferences;
- Comfortable at both working alone and working in multi-disciplinary teams;
- Ability to write & review coherent and structured reports;
- Familiarity with hardware projects
- Familiarity with regard to the fundamentals of pressurised systems in an engineering context

The work will be aiming to enhance the knowledge and capability of the Propulsion Engineering Team for future mission requirements. Therefore, the most important requirement is a desire, willingness and capacity to learn.

**Closing Date for Applications: Thursday 14<sup>th</sup> February 2019**

Applications will be through the online form attaching a CV, before the closing date. They will be forwarded to the employer.