



**HE Space** is a successful international space company. For over 30 years, we have been supporting our customers with qualified experts in the field of engineering, science and administration. We are currently looking for a Spacecraft Operations Engineer – Astronomy (Euclid) to support our customer in Germany.

## **Spacecraft Operations Engineer – Astronomy (Euclid)**

### **Key Tasks and Responsibilities**

As a member of a team providing services to ESOC you will be providing support for the Astronomy and Fundamental Physics Mission (EUCLID). You will have the following responsibilities:

- Study of Project specific Characteristics and Ground Segment Documentation;
- Preparation of Functional Requirements for the Project Flight Control Software;
- Participation in the Analysis and Design of Satellite Operations;
- Preparation of Flight Control and Contingency Procedures;
- Mission Management and Mission Planning Support Service;
- Production of Software Validation and Satellite Interface Validation Test (SVT);
- Procedures, Reports and Participation in SVTs;
- Participation in the System Operations Validation Test (SOVT), Training and Simulation Programmes;
- Participation in Launch and Early Orbit Phase (LEOP), Spacecraft Commissioning and Mission Critical Operations;
- General Flight Control Support Service;
- Spacecraft Performance Analysis.

### **Skills & Experience**

You will have the following qualifications and relevant experience:

- Master degree in engineering or equivalent qualification;
- Spacecraft subsystem knowledge with focus on Thermal and Power subsystems;
- Activities applicable to spacecraft operations;
- Mission Data Systems from Operator point of view, i.e. MCS and Simulators;
- Fluency in English is mandatory; knowledge of another European language is an advantage.

The following experience would be advantageous:

- Familiarity with the ESOC environment;
- Satellite control systems, in particular SCOS-2000, in particular visualization (MIMICs);
- External interfaces like the Science Operations Centre, the PROJECT Team of a mission and the industry team for developing the space segment;
- Operational simulators, especially based on SimSat;
- Astronomy missions;
- MOIS;
- File Based Operations (CCSDS File Delivery Protocol);
- Programming languages like C++, Python, Java scripts.

passionate about people and passionate about space

This job is located in **Darmstadt**. We welcome applicants who are available from September 2021 (or as soon as possible thereafter).

If you think you have what it takes for this job, please send us your CV together with a letter of motivation (both in English and in Word) to Ms Viktoria Panicharova, clicking on the button "Apply for this job", quoting job **DE-HP-4592** before **05-Aug-21**.

An exciting and dynamic international working environment awaits you!

*Please note: Due to work permit requirements for this position, please apply only if you are citizen of a European Union state or if you are eligible to obtain a work permit for Germany.*