

## AIT Engineer (m/f/d)

HPS GmbH, headquartered in Munich downtown, is a quickly growing space company and provider of key subsystems: highly accurate reflector antennas for telecom- and science applications, large deployable reflector subsystems (LEA) for earth observation and telecom, deployable drag-sail subsystems (ADEO) for de-orbiting small and medium sized satellites, thermal control hardware for spacecraft and landers, as well as plenty of high end components in the structural and thermal area.

HPS' subsidiary in Romania (HPS S.R.L.) focuses on metal structures, thermal hardware components and MGSE. A joint venture in Northern Bavaria (HPTex GmbH) produces highly reflective metal mesh for deployable antennas.

In all sites laboratories and integration halls provide space for assembly and integration activities, partly in clean environment. Currently, the HPS family concludes 2020 with a staff of 75 persons, whereas 55 are located in Munich.

HPS is well acknowledged at the European Space Agency ESA, the German Space Agency DLR, ThalesAleniaSpace, OHB and Airbus, as well as at all major players of the European space industry. Up to now HPS is onboard more than 20 flight missions, whereas eight are already in space. The most recent projects are: Ka-band antennas on the German Mission "Heinrich Hertz" and the ESA-missions "EUCLID" (optical science missions) and "HERA" (flight to an Asteroid); a 25m<sup>2</sup> deployable sail to be qualified in Q2/2022 with an in-orbit verification in 2023, and an 8m large deployable reflector subsystem (LDRS) embarked on the Copernicus mission CIMR.

We have ramped up our team with more than a dozen new engineers in 2020 and **continue our rapid growth at HPS Munich** in 2022. Now, we are looking for an **AIT (Assembly, Integration, Testing) Engineer with experience in space flight projects:**

### Job profile:

The AIT engineer will technically lead assembly, integration and test activities of

- **Flight Hardware Projects &**
- **Technology Developments**

mainly in the area of antenna subsystems. Also coordination of manufacturing activities at our subcontractors and contributions to AIT tasks at other business areas of HPS are well possible.

Please be aware that we are not looking for just a "coordinator", but for a person who is technically leading and motivating an AIT team of between 1 and 5 involved members, in self-responsibility and with appropriate technical background, targeting full compliance to test requirements and catching the delivery/launch date. First targets are in Q4/2021 the planning for and in 2022 the full assembly and qualification testing of the HERA High Gain Antenna. Next antenna projects are in the pipeline.

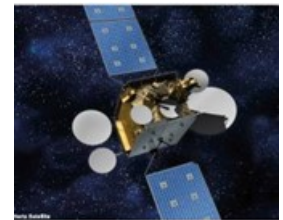
Respective tasks will be:

- Management of the assembly and test activities in compliance to the technical and programmatic requirements
- Preparation of AIT plans, procedures and reports in close cooperation with project System Engineer, Project Manager and Product/Quality Assurance Manager
- Planning and preparation of test activities and resources as per applicable procedures
- Design, analysis and procurement of ground support equipments (GSEs), relevant for the execution of the AIT activities
- Coordination and technical management of internal and external test facilities
- Execution of the AIT activities such as environmental and functional testing in a clean-room environment
- Inspection and handling of mission-critical equipment
- Support in AIT relevant reviews such as Manufacturing and Test Readiness Reviews.

### Qualification:

Applicants should have as a minimum:

- More than 5 years of work experience in space flight hardware development projects (design, analysis, manufacturing, assembly, testing, verification); Strong technical background in at least two of the following disciplines within space applications: elaboration of assembly procedures, test planning and elaboration of test procedures of vibration testing of structures, thermal testing in thermal vacuum, coordination of tests with direct interface to the test house.



- Ability to work in an international team
- Ability to satisfy both, customer requirements as well as company level goals
- Good Knowledge of ESA ECSS standards
- Good knowledge of English (writing and speaking); advantage: German (speaking)
- Good knowledge of MS office S/W tools (MS Word, MS Excel, Power Point, MS Project)
- Basic knowledge in CAD and FEM (e.g. INVENTOR, ANSYS, NASTRAN)
- Master's degree in mechanical/aerospace engineering or physics.

The applicant should have the ability to interact with customers, sub-contractors, partner companies and internal staff applying excellent soft skills (communicative, mentally strong, ability to delegate tasks, leadership, convincing). The ability to work autonomously, effectively, systematically and cooperatively in a diverse and international team environment and to define and implement solutions in line with team and individual objectives and project deadlines is a prerequisite. In addition good analytical, organizational and reporting skills, a proactive attitude to solving problems and an interest in innovative technologies is needed.

#### Possibilities:

HPS offers the chance to significantly contribute to outstanding, highly visible space products and to actively take part in the growth of an international operating company. The HPS staff is a family and stands to a team-oriented, friendly working environment. As HPS is an SME (Small/Medium Enterprises), all HPS staff is well informed on company strategy items, can influence the path of HPS growth and improvement suggestions by staff are highly welcome.

The new colleague will have the chance to work in our offices and integration halls very close on the one hand with highly experienced engineers as well as to train on the other hand young ones. He/she will be involved in several projects which makes daily life very diversified.

A four-days-per-week contract might be possible. Self-responsible flexibility in working time per day is our company culture. Documented in our Quality Management System is not only the goal to deliver high end technology and to maintain financial health of the company, but also to create very high degree of employee satisfaction.

Being part of HPS means to be involved in space missions, having hardware flying around the Earth or contributing to the European exploration of the Universe.



**We are looking forward to your application (preferred via e-mail):**  
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