HE Space is a successful international space company. For nearly 40 years, we have been supporting our customers with qualified experts in the field of engineering, science and administration. We are currently looking for a Mission Planning & Software Service Engineer to support our customer in Germany.

Mission Planning & Software Engineer

Key Tasks and Responsibilities

You will have the following responsibilities:

- Support to the integration, verification and validation testing of Mission Planning and Schedule execution components;
- Support to the review / update of test specifications with respect to Mission Planning and Schedule execution aspects;
- Support to the generation and maintenance of test procedures (including their automation) and test datasets for the Mission Planning and Schedule Execution components;
- Support to test campaigns (MPS and Schedule execution test executions, TRRs, PTRs, TRBs, testing for correct implementation, etc.);
- Support to the analysis of test results and the generation / update of the VCD inputs and test report generation;
- Support to the anomaly / NCR process (generation, analysis, discussion, participation to ARB meetings, testing for correct implementation, etc.);
- Support to the installation and configuration of new deliveries System Architectural Design;
- Support to the maintenance and evolution of the system level design of Mission;
- Planning and Schedule Execution components within the scope of the Ground Segment;
- Participation to any necessary meetings (technical reviews, scheduling meetings, progress meetings, coordination meetings, workshops, etc).

Skills & Experience

You will have the following qualifications and relevant experience:

- Masters in Engineering or equivalent in related disciplines;
- Experience in the definition of software requirements, architectural design, implementation and maintenance of Mission Planning & Schedule Execution;
- Experience in performing the scheduling tasks using the Mission Planning System of the Ground Segment for GEO and/or LEO space missions;
- Several years of experience relevant in IV&V (integration, verification and validation) activities;
- Experience in integration of Mission Planning Systems with Flight Dynamics and Schedule Execution / Mission Control Systems;
- Experience in using DOORs for Requirements Management;
- Practical experience with the Linux/Unix operating system (user command level);
- Experience of routine mission planning and schedule execution operations;

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Passionate about people and passionate about space

- Experience in the full cycle of development and maintenance of application software, preferably for Mission Planning and Schedule Execution Components, following formal software engineering processes;
- Experience in designing and developing software applications using Java and/or SQL programming languages for UNIX/Linux operating systems;
- Experience in designing and developing software applications using interfaces to relational database management systems (RDBMS) and experience with data model design for RDBMS;
- Experience with APEX software tool from Scisys, with ICOL (Integrated Common Operation Language) from Scisys and with MPS from Scisys;
- Experience in the usage of software CASE design tools (e.g. “Enterprise Architect” and/or “MagicDraw”);
- Experience in using Unified Modelling Language (UML) for software design;
- Experience in developing software applications interfacing with MariaDB also from administration point of view;
- Experience in usage of bash, perl, python and awk scripting languages;
- Experience in XML processing: schema design, validation, parser libraries, transformation (XSLT) and XPath;
- Experience in usage of VCSS (Version Control Software Systems), such as SVN and GIT;
- Experience using tools/frameworks for the automation of software testing;
- Fluency in English is mandatory; knowledge of another European language is an advantage.

This job is located in Darmstadt. We welcome applicants who are available from October 2020 (or as soon as possible thereafter).

If you think you have what it takes for this job, please send your CV together with a letter of motivation (both in English and in Word) to Ms Chiara Grossardi, by clicking on the button “Apply for this job” quoting job DE-4318 before 17-Jul-20.

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.