Ground Stations Engineer

Description
WGS Workgroup Solutions GmbH is looking for a Ground Stations Engineer to join its Engineering Team for our customer EUMETSAT. The successful candidate will be based at EUMETSAT headquarters in Darmstadt, Germany.

Responsibilities

- Routine (non-routine) service to maintenance activities.
- Contribute to the analysis and the implementation/testing of changes, or re-engineering that may be required on the basis of user requirements or maintainability issues in the area of Ground Stations systems and subsystems.
- Contribute to the testing and validation of new software and firmware releases of Ground Stations systems and subsystems.
- Contribute to the remote operation and the maintenance of EUMETSAT Ground Stations in the areas of:
- Monitoring & Control and S/W applications.
- Transfer protocols for the spacecraft telemetry, telecommand and mission data.
- Contribute to the planning and scheduling of the regular ground Station maintenance activities within ongoing operational constraints.
- Participate to the discussions at technical level with the Ground Stations site provision and maintenance providers and coordinate the maintenance activities with them.
- Contribute to the coordination of investigations and rectification of anomalies reported by the operations/maintenance team and interface with manufacturers if necessary, for anomaly correction (and verification).
- Contribute to the generation of status reports about the performance of the ground stations and associated systems and subsystems.
- Participate to the daily/weekly operations coordination meetings and interface with operational representative(s) as required.
- Participate to the Ground Station operations activities during critical mission phases, pre and post launch.
- Contribute to the updating and maintenance of the automated operational Ground stations procedures and related databases.
- Provision of on-call support, when required.
- Travel as required.

Skills and Experience
The Key Person shall have the following experience and background:

- A university degree in a relevant technical discipline (i.e., telecommunications, electronics, radio frequency or equivalent) or the equivalent work experience.
- At least 3 years' experience in the ground stations systems and subsystems engineering (TT&C and Mission Data Acquisition).
- Knowledge of Ground Stations requirements engineering cycle (including DOORS)

Hiring organization
WGS Workgroup Solutions GmbH

Employment Type
Full-time

Date posted
August 25, 2023

- Experience of technical follow-up of upgrades or evolutions of operations ground stations including IV&V
- Experience of In Orbit Test (IOT) systems
- Experience of diagnosis, debugging and technical assessment of ground stations hardware and software failures
- Knowledge of configuration and testing of all TT&C and Payload data reception Ground Stations related systems (e.g. LNA, F&T, Frequency converters, SSPA, TLTs, RF switches, antenna modulators/demodulator, tracking systems, ACU, etc)
- Experience of Ground Stations M&C systems (preferably based on Dataminer)
- Ground Stations payload data processing SW applications (e.g. data consolidators, demultiplexers, data integrity systems, etc…)
- Knowledge of CCSDS Space Link Extension configuration and debugging
- Conversant with CCSDS and/or ECSS standards
- Conversant with configuration management of hardware and software systems
- Contribute to Space to Ground and Ground to Space Link budget analysis
- Linux/Windows operating systems
- Familiarity with TCP/IP, SNMP, serial based communication protocols
- Knowledge of C++ and Java programming languages and XML
- Long-term maintainability of ground stations software applications
- Excellent analytical, synthesis, and presentation skills.
- Very good interpersonal, communication and reporting skills and an ability to apply these to the interactions within a team and between teams in a multi-disciplinary context.
- A systematic approach to work with the ability to plan their work and to cope with tight schedules and multiple tasks.
- The ability to work effectively under pressure and to manage complex tasks with minimum supervision.
- The capability to write accurate, concise, focused and consistent technical documentation and reports.

Contact

Interested applicants should submit their CV in **Europass** format and Cover Letter by emailing the WGS recruitment team at vacancies@workgroup-solutions.com before **15.09.2023.**