# Ground Stations Monitoring and Control Software Engineer

## Description
WGS Workgroup Solutions GmbH is looking for a Ground Stations M&C Software Engineer to join its Engineering Team.

## Responsibilities
The tasks will include:

### Monitoring and Control (M&C) System Management

- Oversee the deployment, operation, and maintenance of M&C systems for multiple ground stations, including PMCS, TLMC, and GSTMC systems.
- Ensure system reliability and seamless operation for both LEO and GEO ground stations, adapting to evolving program needs.

### System Harmonization and Integration

- Collaborate on the harmonization project aimed at standardizing M&C systems across multiple stations, including the transition to a single M&C product.
- Facilitate the integration of high-level M&C frameworks into the existing ground station architecture, supporting a centralized and scalable infrastructure.

### Technical Support and Issue Resolution

- Provide technical support for the EPS and EPS-SG programs, resolving system constraints, managing obsolescence, and implementing updates for future mission requirements.
- Troubleshoot and address operational challenges across different ground station networks, ensuring adherence to program timelines.

### Documentation and Compliance

- Prepare technical documentation, interface control documents, and system-level updates to maintain compliance with configuration and quality assurance standards.
- Coordinate with security, configuration management, and quality assurance teams to align on cross-functional requirements and project goals.

### Stakeholder Collaboration and Project Coordination

- Act as a liaison with cross-functional teams, including TSS SGS, GSSE, MCAT, and other stakeholders, to streamline the implementation of M&C harmonization strategies.
- Support procurement activities, assist in the preparation of project management plans, and contribute to system-level verification and validation.

**Hiring organization**
WGS Workgroup Solutions GmbH

**Job Location**
Darmstadt, Germany

**Date posted**
November 15, 2024

**Valid through**
15.11.2024

**Qualifications**

The candidate shall have the following attributes and skills:

- A university degree in a relevant technical discipline (i.e., computer science, telecommunications, electronics or equivalent) or the equivalent work experience.
- At least 3 years' experience in the ground stations software systems or monitoring and control systems.
- C#, C++ and Java programming language experience in Linux and Windows based environment including profiling, debugging and troubleshooting with 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.
- Experience of Ground Stations M&C systems (preferably based on Dataminer); drivers development, interfaces,…
- Experience in Casandra and Elasticsearch in Linux systems.
- Knowledge of CCSDS Space Link Extension (SLE) configuration and debugging.
- Conversant with CCSDS and/or ECSS standards.
- Experience with TCP/IP, SNMP, network communications protocols
- Knowledge of virtualisation.
- 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.
- Fluent in English

**Contacts**

Interested applicants should submit their CV and Cover Letter in Europass format, either through the website or by emailing the WGS human resources team at vacancies@workgroup-solutions.com
Please submit your application before 30/11/2024.