

Copernicus Data Processing System Engineer

Description

We are looking for experienced **Data Processing Engineers** to support the maintenance, operations, and evolution of EUMETSAT's Payload Data Processing (PDP) systems for the Copernicus Sentinel-3 and CO2M missions. The service covers anomaly correction, software evolutions, and release processes within the Satellite System Ground Segments (SGS) division, including coordination across Copernicus mission ground segments.

The service is performed primarily on-site at EUMETSAT headquarters in Darmstadt, with a minimum on-site presence of 50% of working time.

Responsibilities

1. **Anomaly processing:** Investigation, identification and fixing of application software and configuration problems; implementation of new software requirements; participation in Anomaly Review Boards (ARBs), Software Review Boards (SRBs) and Change Review Boards (CRBs).
2. **Software & hardware deployment:** Contribute to Software/Hardware Engineering Tasks (SWETs/HWETs) for new patches and releases; build, install and verify software on development and reference chains for operational release; install hardware as required.
3. **System engineering:** Investigation and improvement of PDP sub-systems and facility components; contribution to SWETs/ECPs/Technical Notes; assessment, impact analysis and preparation of PDP and processor evolutions.
4. **Test automation:** Set up and maintain a Test Suite within the Automated Test Environment (ATE) for individual processors and end-to-end data processing chains.
5. **Additional engineering support:** Data processing software engineering tasks as required; engineering contribution to other EUMETSAT teams.
6. **Documentation:** Maintenance of system models in Enterprise Architect and requirements in DOORS; update of technical baseline documents (ADD, ICD, STB); maintenance of working practices and procedures in Confluence.
7. **Knowledge sharing & meetings:** Cross-training of SGS personnel on data processing systems; participation in facility, sub-system and system-level reviews, technical and progress meetings, and coordination with partner organisations.

Qualifications

The candidate shall have the following attributes and skills:

1. University degree (or equivalent) in a relevant technical discipline (engineering, computer science, or similar)
2. Fluency in English (written and spoken)
3. Proven experience with data processing (Level-0, Level-1 and Level-2) of meteorological and/or Earth observation products from satellite instruments
4. Proven experience in integration, verification and validation (IV&V) of data

Hiring organization

WGS Workgroup Solutions GmbH

Employment Type

Full-time

Date posted

May 27, 2026

Button

Button

- processing systems, including generation of test plans, test specifications, procedures and test reports for end-to-end processing chains
5. Proven experience in system engineering development and system design
 6. Knowledge of scripting languages and databases (e.g. Perl, Python, shell, PostgreSQL)
 7. Demonstrated experience with UNIX/Linux operating systems
 8. Practical knowledge of configuration control
 9. Knowledge of computer systems, network systems and IT security
 10. Ability to write accurate and consistent technical documentation
 11. High degree of working autonomy, problem-solving ability and analytical skills
 12. Experience working as part of a multicultural international team

Furthermore, it would be a distinct advantage for the candidate to have experience with some of the following:

- Knowledge of spacecraft and/or ground segment operations
- Knowledge of programming languages (C/C++, Java, IDL)
- Knowledge and/or experience of quality control, calibration and validation
- Experience in development and maintenance of operational procedures and/or configuration data
- Knowledge of ECSS standards
- Knowledge of DOORS requirements management tool
- Knowledge of Model-Based Systems Engineering (MBSE), SysML and Enterprise Architect

The candidate shall be able to conduct all activities in an orderly and disciplined manner, demonstrating an analytical approach and attention to detail, and shall be able to work calmly and correctly under stress and without supervision.

Job Benefits

- **Competitive compensation** :Attractive salary package including benefits such as sponsorships to social and sport activities, Deutschland ticket or Edenred card,first brands' employee discounts, and more.
- **Work-life balance**
- **Learning & development**
- **Strong team spirit**: A supportive and collaborative culture with team events and social activities.

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 10/06/2026**.