

(AFSS-533165) Performance Simulation Engineer

Location: The Netherlands, Noordwijk, ESA-ESTEC

Deadline: 11/05/2019

Reference: AFSS-533165

Contract duration: Permanent

Sapienza Consulting is recruiting an experienced Performance Simulation Engineer to contribute towards all aspects relevant to the mission performance of the Sentinel 4 and Sentinel 5 missions.

Responsibilities:

- Support the verification of mission and system level requirements in the areas of Mission observation and Data products.
- Support the procurement and acceptance of S4/S5 simulator, Ground Processor Prototype (GPP) and reference processors.
- Maintain mission performance tools to support the assessment of the relevant industrial development activities.
- Support the payload team for aspects relevant to instrument performance requirements flow-down and instrument performance verification
- Follow up with industry the specification, procurement, verification/validation and acceptance activities for Simulator and GPP
- Acquire working knowledge of tools for test data generation purposes and internal mission level verification activities
- Verify, re-condition and generate any data at CCSDS level or higher needed to support these activities
- Support the preparation, execution and analysis of the relevant in-flight cal/val operations during the commissioning phase
- Interface with EUMETSAT Operational Ground Segment for Requirement definition and reviews of the Ground processor aspects
- Support cross-verification activities with the operational ground segment against the Ground Processor Prototype and Reference Processors
- organise, draft the agenda and convene the meetings to achieve the

The principle tasks and responsibilities relevant to horizontal activity include:

- Review and maintain the standards and documentation in MS Word, Powerpoint and HTML relevant to E2E Mission Performance activity developed within EOP
- Support and/or develop cross platform sw tools (OSX, Windows, Unix) related to the implementation of these standards
- Proactively interface with stakeholder within EOP to gather further requirements or evolution of process
- coordinate the development of internal repository and tools (e.g. redmine websites, sharepoint) to support cooperative working within EOP on these aspects

Profile:

- Master's Degree in Engineering
- At least 4 years of relevant work experience
- The candidate must possess solid analytical skills
- A proactive and flexible attitude, together with the capability to critically analyse the work performed by industry in the relevant areas and be able to quickly identify the problems and propose/instigate corrective actions.
- The candidate should also be able to organise and conduct meetings with different parties, assertively presenting results and facilitating convergence on technical aspects.
- The candidate shall demonstrate to be proficient with programming tools and languages relevant to the implementation and maintenance of the simulators and GPPs (e.g. C, C++, Java and Python) and at ease with modern build systems.
- Knowledge in managing and configuration of cooperative environment (redmine, confluence, jira, etc) and in manipulating CCSDS data is an asset.
- Fluent in English; knowledge of another ESA member-state language is an asset

Candidates must be eligible to work in the EU

Contact:

Please send your CV (in English) as soon as possible, but no later than **11/05/19** to jobs@sapienzaconsulting.com