Training Opportunity for Polish National Trainees

Reference	Title	Duty Station
PL-2023-OPS-G-2	**Mission Operations**	**ESOC, Darmstadt**

Overview of the mission:

ESA Ground Operations System Multi-Mission Generation (EGOS-MG) is an on-going project which aims to produce and deliver an integrated, ready-to-use ecosystem of mission operations applications supporting all future missions managed at ESOC.

The EGOS-MG system consists of common environments which provide automated support to the complete lifecycle of ground systems (development, integration, validation and deployment). It will integrate all mission operations applications which support the complete operations life cycle (preparation, validation, planning, execution and evaluation).

You are encouraged to visit the ESA website: http://www.esa.int

Overview of the field of activity proposed:

As a Polish National Trainee, you will report directly to the EGOS-MG System Manager. You will be involved in the technical activities related to the in-house integration and deployment of the run-time platform serving the EGOS-MG-based systems. As part of the Project team, you will help define and execute the system integration and validation activities of one selected application, aiming to verify its compliance with relevant functional and non-functional requirements. In particular, you will be asked to create and validate all necessary artefacts which will enable the automated repetition of the integration and validation process for the selected application deployed in the operational environment serving the missions at run-time.

Your involvement in the EGOS-MG Project's activities will provide you with an excellent opportunity to familiarise yourself with the functionality offered by mission operations applications at ESOC and with the design of the ground system that will support future missions at ESOC. This is based on mainstream off-the-shelf technologies (in particular Cloud technologies) adopted in a manner compatible with the demanding requirements of the critical systems supporting mission operations. At the end of your traineeship, you will be familiar with the main aspects of ground systems design and have gained an in-depth understanding of the processes related to their integration and validation in a highly critical operational environment.

Required education and skills:

• You should have just completed, or be in the final year of your Master' s degree in a technical or scientific discipline, preferably with a focus on IT.
• Good interpersonal and communication skills
• Ability to work in a multi-cultural environment, both independently and as part of a team

- Fluency in English and/or French, the working languages of the Agency