

Training Opportunity for Polish National Trainees

| Reference | Title | Duty Station |
|---|--------------------------|--------------|
| PL-2023-HRE-OE | LUNA Project Engineering | EAC, Cologne |
| <p><u>Overview of the mission:</u></p> <p>LUNA is an upcoming lunar training and technology testing facility. Here, astronauts will train for lunar surface missions, next to engineers developing technology that may one day be deployed to the moon. The facility features a 700m² regolith-filled testbed, in which astronauts, rovers and other lunar systems can be tested under high-fidelity conditions. The focus of LUNA lies heavily on the operational aspects of lunar exploration.</p> <p>Within the facility, a variety of systems are proposed to be deployed. These include a gravity-offloading system for astronauts and robotic systems, a sunlight simulator, a rover, ramp and lander, among others. Various supporting elements, such as the ground segment are also being deployed in LUNA.</p> | | |
| <p><u>Overview of the field of activity proposed:</u></p> <p>As a Polish National Trainee, you would be tasked with supporting the engineering processes, risk analysis and assessment, requirements engineering, testing and acceptance of some of the mentioned LUNA systems.</p> <p>Furthermore, you will be tasked with writing and updating documentation as it becomes necessary. You will make use of modern systems engineering methodology and tools, such as task-oriented requirements engineering and SysML.</p> <p>You will gain basic knowledge in the project lifecycle, starting with mission level requirements and ending with the acceptance testing of the project. You will follow along all steps of the design, tendering, procurement, development and construction phases, including the regulatory steps and certification of the systems for operational use.</p> | | |
| <p><u>Required education and skills:</u></p> <ul style="list-style-type: none"> • You should have just completed or be in the final year of your Master's degree in a technical or scientific discipline. • 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 German, the working languages of the Agency | | |

- Basic knowledge in Systems Engineering, Computer Systems or Mechanical Engineering is an asset.