



**HE Space** is a successful international space company. For 40 years, we have been supporting our customers with qualified experts in the field of engineering, science and administration. HE Space has joined forces with CS Group to lead the engineering and digital space market in Europe and to provide highly skilled consulting.

## Communication Systems & Technologies Engineer

### Key Tasks and Responsibilities

As part of the Systems Security Engineering Section within (TEC) department , you will have the following responsibilities:

- Provide support to the Agency projects and programs in the area of space system security engineering, with an emphasis on space segment, including system security design, definition and implementation of system security requirements, assessment of vulnerabilities applicable to space systems, recommendation of security mitigations and countermeasures;
- Contribute to the definition, analysis and consolidation of space system security requirements and in particular for space segment;
- Contribute to the definition of security reference architecture for space systems and in particular for space segment;
- Support system reviews through projects' lifecycle on security aspects;
- Analyse vulnerabilities, assess their impact and propose suitable security mitigations and countermeasures;
- Analyse evidence of fixes of vulnerabilities;
- Assess Requests for Waivers / Requests for Deviation on security aspects and provide recommendations regarding their acceptability;
- Organise security audits / vulnerability assessment / penetration testing activities on ESA projects and programs and analysing their results (including analysis of evidence of findings and corrections);
- Propose developments needed to enhance the security of space systems and in particular for space segment;
- Assist the ESA Technical Officer on Research and Development activities (in the area of security for space) during their lifecycle (writing the Statement of Work, assessing Industry proposals, supervising the implementation).;
- Support Project / System Security Officer (PSSO) or Security Officer (SO);
- Support laboratory activities as required;

## Skills & Experience

You will have the following qualifications and relevant experience:

- A Master or PhD degree or equivalent in Engineering (preferably in computer science / cyber security, or telecom, or aerospace), with a strong knowledge and experience in Security engineering;
- Knowledge of space systems, space segment architecture and spacecraft avionics;
- Very good knowledge in security best practices;
- Basic knowledge on applied cryptography;
- Knowledge on Information Security Management Systems;
- Knowledge on CCSDS protocols and standards (in particular SDLS);
- Knowledge on RF security is a plus;
- Candidates must be eligible for security clearance from an EU Member State national security administration;
- Fluency in English is mandatory; knowledge of another European language is an advantage.

This job is located in Noordwijk, The Netherlands.

If you think you have what it takes for this job, please send your CV (in English and in Word or PDF) to Kalina Traykova, by clicking on the button "Apply for this job" quoting job **NL-HP-24145**.

An exciting and dynamic international working environment awaits you!



HE Space recruiting for ESA