



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.

ECLSS System Design Engineer

Key Tasks and Responsibilities

As part of the ECLSS station team, you will have the following responsibilities:

- Lead the comprehensive design of the ECLSS system for space station, covering architecture, engineering budgets, and detailed subsystem designs.
- Integrate human space station constraints and coordinate with internal stakeholders for mass, volume, and power considerations.
- Establish interfaces with subsystems and formulate operational modes for various scenarios.
- Provide support and expertise to review and completion of ECLSS Requirements on mission, system and element levels.
- Drive independent trade-offs and analyses in a dynamic environment, steering simulations and cross-discipline assessments.
- Develop verification and validation approaches, assembly plans, and operational concepts.

Skills & Experience

You will have the following qualifications and relevant experience:

- Advanced degree in Aerospace or Mechanical Engineering.
- Extensive experience in ECLSS design for space habitats or complex systems.
- Proficient in integrating supplier information while adhering to regulations.
- Experience in Verification & Validation (V&V) and Assembly, Integration, and Testing (AIT).
- Strong analytical skills for assessing technological solutions and requirements engineering.
- Excellent collaboration skills with stakeholders and cross-disciplinary teams.
- Previous leadership experience in defining system architectures and budgets.
- Familiarity with relevant space industry standards and documentation.
- Fluency in English is mandatory; knowledge of German language is an advantage.

This job is located in Friedrichshafen (Germany).

If you think you have what it takes for this job, please send your CV (in English and in Word or PDF) to Annie[select recruiter], by clicking on the button "Apply for this job" quoting job **DE-HP-24100**.

Passionate about people and passionate about space

An exciting and dynamic international working environment awaits you!

Please note: Due to work permit requirements for this position, please apply only if you are citizen of a European Union state or if you are eligible to obtain a work permit for Germany.