



Bradford Engineering B.V., a Bradford Space subsidiary, is a Netherlands based supplier of Attitude and Orbit Control Systems (AOCS), Propulsion, Avionics and Thermal solutions for spacecraft. Our expertise in the field of satellite propulsion covers the entire range from cold gas, gas feed systems for electrical thrusters, to chemical propulsion. To lead the development of our propulsion products, we are seeking a:

SYSTEM ENGINEER (PROPULSION)

For the satellite product lines of

BRADFORD ENGINEERING

We are looking for a System Engineer (Propulsion) to join Bradford Engineering B.V., a Bradford Space subsidiary, based in the Netherlands and manufacturer of products for the space industry all around the world.

Your role

The System Engineer is the technical responsible of the development of the propulsion products, ensuring that the overall design, analysis, tests, verifications and qualifications are aligned with the customer requirements. The System Engineer is part of the Core Team and in all activities he/she closely works with the dedicated Core Team (Program Manager, Product Owner and Product Assurance Engineer). The Core Team is the direct link with all Customers, major Subcontractors and Production. The System Engineer is responsible in this matter for all technical aspects.

In the preliminary phases the System Engineer is responsible of Technical Trade-Offs and understanding the customer requirements. During development phase, the System Engineer works with the design and factory engineering department (CAD, Structural, Thermal and Electrical) to ensure the design is well executed. As part of the activities, the design must be analyzed with functional and system engineering analysis. During procurement and assembly phase, the System Engineer will be required to support possible design changes and non-conformances. During test phase, it will be required to write appropriate test plans and procedures to support the verification of equipment and customer requirements.

Key responsibilities System Engineer

- Review Customer Documents and Execute Design Choices.
- Support the schedule and associated budget.
- Perform functional analysis and system development tasks.
- Review Mechanical Designs, Structural and Electronics Design.
- Creating documents for the data packages for the different reviews (EQSR, PDR, CDR, TRR, TRB), e.g.: User Manual, Qualification Status list, Compliance Matrix, Verification Control Document, Functional analysis, assembly and test procedures, test reports, and etc.
- Support on supply chain and production department with technical content.
- Creating test procedures.

- Test coordination with the Test Department.
- Giving technical support to Production for Test phases in the project.

Essential skills

- Working experience in a System and/or Expert Engineering role in a high-technology, multidisciplinary industry or similar setting.
- The competencies required for this function are a BSc or MSc level education in the fields of Mechanical Engineering or Aerospace Engineering.
- The following key knowledge points are of interest:
 - Space
 - Propulsion components & systems.
 - Mechanical Engineering (Structural and Thermal Knowledge).
 - Assembly Integration and Test Engineering.
- Strong analytical and communication skills.
- Proficiency in (technical) English (C2).

Strongly valued/desired skills

- Experience in the spaceflight industry, preferably as a satellite equipment supplier.
- Knowledge on ECSS and Space Design Process Flow (EQSR, PDR, CDR, MRR, TRR, TRB, DRB).
- Knowledge on the current technology status and market related to spaceflight components.
- Intermediate in Dutch (B1).
- Driving license and willingness to travel on occasional basis.

What we can offer in return

We offer a varied job, where all days are different, in an exciting industry where you play a big part, in the provision of solutions for satellites on a global market, with a generous number of holiday days and a very international working environment, with colleagues from the four corners of the World.

Duty station

Heerle, the Netherlands, with occasional travel needed.

Heerle is located few minutes from Roosendaal and Bergen op Zoom, 30 minute drive from Breda and Dordrecht, and 50 km from Rotterdam and Antwerp. Possibility to live in Belgium while working at Bradford.

The role is open to candidates of any age, gender, orientation, that have or can get work authorization within the EU.

Is this you? If so, drop us an email:

careers@bradford-space.com
