

Function:	Mechanical Systems Engineer
Work Location:	Coimbra, Portugal

1. Needs

As System Engineer, you will be assigned to a team to work in challenging space industry projects. Your main responsibility is to technically manage systems from the requirements through the development, assembly, test through their delivery. You will have the opportunity to work in a multidisciplinary team, to follow the entire project lifecycle from the proposal until the delivery, and to demonstrate and develop skills and career.

2. Duties & Responsibilities

- Responsible for all the technical activities,
- Coordinate the development team;
- Requirements break-down, and plan their verification;
- Define the product tree, architecture, and concept;
- Present and justify the results directly to the customer during meetings;
- Interfacing directly with the customer during technical meeting;
- Review all technical documentation;
- Work with the design team on achieving the technical solution within quality, time, and cost targets;
- Support the development team;
- Knowledge of Space Standards (ECSS).
- Support the design development and its verification for each system.

3. Minimal Requirements:

3.1 Academic Qualification

- Master degree in Engineer (Mechanical, Aerospace, Aeronautical, or equivalent);
- Proficiency in English, both oral and written skills, is essential;

3.2 Key Technical Knowledge

- Strong understanding of the entire product life-cycle (requirement analysis, design development, manufacturing, assembly, testing, delivery)
- Knowledge on industrial/design/space codes (i.e. ECSS, ASME);

3.3 Practical Experience

- 5 years of experience in mechanical project development (design, structural, thermal analysis);
- International experience is a plus;
- Critical thinking and problem-solving skills;
- Requirements interpretation;
- Familiarity with GD&T, solid mechanics fundamentals and manufacturing processes;
- Planning and organizing;
- Decision-making;
- Familiarity with CAD (i.e. Catia, NX, Inventor, etc), and/or FEM softwares (MSC Patran & Nastran, ANSYS, Abaqus, etc);
- Excellent oral and written communication skills;
- Creativity in problem-solving;
- Ability to manage multiple projects and deadlines in a fast-paced environment.
- Advanced level of MS Excel and general programming/scripting, e.g., Python, Java, C/C++ is a plus.

4. Availability

From immediate to 2 months.

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