

Function:	Junior Structural Engineer
Work Location:	Coimbra, Portugal

1. Needs

As Junior Structural Engineer, you will be assigned to a team to work in challenging space industry projects. Your main responsibility is to work within the team to provide structural calculations/ FEA and assist in developing/optimize designs and design methodologies.

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 design activities: design calculations, reports;
- Define inputs for Mechanical Design (CAD);
- Perform FEM analysis (thermo-elastic and structural);
- Work with the design team on achieving the technical solution within quality, time, and cost targets;
- Perform parametric studies and hand calculations;
- Perform design reviews;
- Selection of materials;
- Use the appropriate industrial & design codes in design validation.
- Identify the best FE modelling approach.

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

- FE Analysis software (e.g., NASTRAN, Patran, ANSYS ...);
- Good Solid Mechanics fundamentals;

3.3 Practical Experience

- International experience is a plus;
- Critical thinking and problem-solving skills;
- Planning and organizing;
- Decision-making;
- Proficiency in a programming language (Matlab, Python, VBA)
- Excellent oral and written communication skills;
- Ability to ask penetrating questions;
- Team work;
- Adaptability;
- Creativity in problem-solving;
- Ability to manage multiple projects and deadlines in a fast-paced environment.

4. Availability

From immediate to 2 months.

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