

<b>Function:</b>	Senior Structural Engineer
<b>Work Location:</b>	Coimbra, Portugal

## 1. Needs

As Senior 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);
- Present and justify the results directly to the customer during meetings;
- 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.
- Be a mentor/coach of Junior Engineers.

## 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. ANSYS, NASTRAN, Patran ...);
- Knowledge on industrial/design/space codes (ECSS, ASME, RCC-MR);

### 3.3 Practical Experience

- 5 years of experience in mechanical design and FEA;
- 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.

Please apply for the e-mail [jobs@activespacetech.com](mailto:jobs@activespacetech.com) with reference to **VN-0003** in the subject of the message.