

Function:	Senior Mechanical Engineer
Project/Department:	Industry – Coimbra / Lisbon

1. Needs

Active Space Technologies develops, manufactures and deploys Automated Guided Vehicles (AGVs) for industrial environments, as well as the deployment and management package. Furthermore, the company is start developing Autonomous Mobile Robots (AMRs) for multiple applications, namely health care. One of the main applications is development of AGV and AMR systems for cleaning and sterilization of contaminated environments using UV radiation.

Active Space Technologies is currently looking for a talented Senior Mechanical Engineer highly motivated to integrate the mechanical engineering department, to work in the conceptual design, development, manufacturing, assembly, test, and validation of a new AGV/AMR product.

2. Duties & Responsibilities

- Mechanical design of AGVs/AMRs;
- Supervising procurement and manufacturing;
- Functional evaluation of the system;
- Performing structural and thermal analysis of specific modules;
- Assembly and testing;
- System validation;
- Product documentation.

3. Minimal Requirements:

3.1 Academic Qualification

- Degree in Mechanical Engineering or similar background;

3.2 Key Technical Knowledge

- Familiar with industrial automation, namely robots;
- Expertise in CAD;
- Experience with finite element (e.g., stress and vibration analysis);
- Familiar with the industrialization process, from proof-of-concept to mass production;
- Experience in different materials, from steel to polymers.

3.3 Practical Experience

The candidate shall have a work experience of at least 5 years, with at least 3 years in CAD and finite element analysis.

- CAD (preferably CATIA);
- Finite element modelling for structural analysis (preferably NASTRAN/PATRAN);
- Finite element modelling for thermal analysis (preferably Ansys);
- Experience with part assembly and testing;
- Certification processes and standards of mechanical systems.

3.4 Languages

- Fluent in English.

Please apply for the e-mail jobs@activespacetech.com with reference to **VN-149** in the subject of the message.