

<b>Function:</b>	Senior Software Engineer
<b>Project/Department:</b>	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 Software Engineer highly motivated to integrate the electrical engineering department, to work in architecture development, programming, graphical user interface, testing, and validation of a new AGV/AMR product.

## 2. Duties & Responsibilities

- Software development for AGV/AMR;
- Programming of specific modules and web interfaces;
- Functional evaluation of the system;
- Software deployment and testing;
- System validation;
- Product documentation.

## 3. Minimal Requirements:

### 3.1 Academic Qualification

- Degree in Software Engineering or similar background.

### 3.2 Key Technical Knowledge

- Familiar with industrial automation, namely robots;
- Experience with industrial communications (CANbus/open, Profibus, Profinet, RS485, Wifi, Zigbee, Bluetooth);
- Knowledge of analogue and digital circuit design and analysis;
- Expertise in web and app development;
- Experience with AGV/AMR standards and GSM communications is a plus.

### 3.3 Practical Experience

The candidate shall have a work experience of at least 5 years, with at least 3 years in industrial automation:

- Familiar with programming (e.g., C, C++, Java);
- Familiar with SLAM and image processing;
- Knowledge of both Windows and Linux operating systems;
- Expertise in graphical interface development;
- Knowledge related to accessing and manipulating databases (e.g., SQL);
- Certification processes and standards applicable to software systems.

### 3.4 Languages

- Fluent in English.

Please apply for the e-mail [jobs@activespaceautomation.com](mailto:jobs@activespaceautomation.com) with reference to **VN-0147** in the subject of the message.