

Function:	RF Electronics Engineer
Project/Department:	Innovation Department

1. Needs

With its core activities in the space, aeronautical and industry markets, Active Space Technologies is a well-established engineering company focused on the development, design, manufacturing and validation of electromechanical systems. From aeronautical wireless data links to satellite communications, the multiple projects currently running at its Innovation Department are bringing cutting edge technologies to the market, contributing for making the world a better place.

Envisioning the growth of the Innovation Department multidisciplinary engineering team, Active Space Technologies seeks an RF Electronics Engineer, who is willing to be challenged and develop their skill set within a talented, passionate and cooperative team.

2. Duties & Responsibilities

The duties of the selected engineers will be:

- Researching state-of-the-art technologies;
- Designing RF systems;
- Designing digital and analogue electronic circuits;
- SPICE modelling and simulation;
- Prototyping and testing RF/electronic systems;
- Developing embedded software for microcontrollers;
- Producing technical documentation on each step of the development cycle.

3. Minimum Requirements

3.1 Academic Qualification

Higher degree in a relevant engineering field with focus on RF and analogue circuits (e.g. Electronics).

3.2 Key Technical Expertise

The following is required expertise for this vacancy:

- Characterizing and specifying RF systems;
- Selecting and designing RF topologies;
- Analysing, understanding, designing and simulating RF and analogue circuits;
- Operating RF test equipment.

The following expertise is added value for this position:

- PCB layout design using Altium Designer;
- Developing embedded software for microcontroller systems using C;
- CAN Bus, sensor networks, UART or other serial protocols;
- Designing for ECSS or aeronautic standards, such as DO-254.

3.3 Languages

- English limited working proficiency required;
- English full professional proficiency is added value;
- Portuguese proficiency is added value;
- Any other language skills may be added value.

4. Availability

From immediate to 1 month.

5. Compensation

€ 16,000 to € 21,000 gross yearly, depending on past experience.

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