



JAN 2019

RFD2019

RECRUITMENT NOTICE

Role: RF Avionics Design Engineer

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Location: Inverness/ Forres

Travel: Occasional within Europe

Salary: £50-60k Negotiable depending on experience plus equity options and relocation assistance

Start date: February 2019 / ASAP

We are an international space launch company recruiting an experienced RF Avionics Design Engineer for an exciting spaceflight development role based in Forres near Inverness, at our new engineering and manufacturing centre.

We are seeking **motivated, experienced RF Avionics Design Engineer**, ideally with space segment experience, to work on the design of RF systems (launch vehicle and ground). You will be responsible for RF systems design, parts selection, procurement and testing, as well as frequency band license coordination. Previous experience with antenna systems design, implementation and characterization is considered essential.

You might be a highly experienced RF engineer, working in a slow-moving environment that rarely gives you a chance to see your work in action. You will be eager for a fast-paced opportunity that offers exceptional freedom and responsibility, as well as the chance to create a critical component on a European space launch vehicle.

Responsibilities of the RF Avionics Design Engineer:

- All levels of RF hardware design, from system to detailed level. The launch vehicle will include several radio transmitters and receivers, covering command uplink, telemetry downlink, video downlink, and GNSS reception
- Frequency band selection, link budgets, and licence applications to governing authorities.
- Interfacing with external radio ground stations operators, to ensure compatibility between their and our systems.
- Procurement and testing of transmitters and receivers (LV and ground)
- Design of custom antennas for relevant launch vehicle frequency bands, to match the vehicle body and accommodate ground system view factors during flight, from concept to simulation, prototyping and performance verification at external test facilities

Requirements

- Minimum of a bachelor's degree in aerospace engineering or a related field
- 4-8 years of RF systems design and development experience
- Fluency in use of Ansys HFSS or similar industry standard toolchains to design, model and analyse antenna systems
- Hands-on experience with RF system design, development and testing.



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- A flexible and dedicated mindset

We are looking for experienced candidates who can demonstrate they get things done with a pragmatic attitude and reliable results. Your track record will be important.

For the right candidates we offer a competitive salary and benefits package that includes the opportunity to earn an equity stake in the company and if appropriate relocation assistance.

You must be a European citizen, from a country that is a signatory to the MTCR convention.

You may be required to undergo security screening.

How to apply

Please send your CV to recruitment@orbex.space noting "RFD2019" in your message title.