



JAN 2019

SME2019

## RECRUITMENT NOTICE

### Role: Senior Mechanical / Structural Design Engineer

**Senior Mechanical/Structural Design Engineer**

**Location: Invernesshire / Forres, UK**

**Travel: Occasional within Europe**

**Salary: £50K-60K negotiable with relocation assistance and equity options**

We are hiring a Senior Mechanical/Structural Design Engineer for an exciting spaceflight development role based in Forres / Inverness at Orbex's new engineering and manufacturing centre.

We are looking for a Senior Mechanical / Structural Design Engineer to work on a new class of orbital space launch vehicle and to lead the structures team. The system you will work on will be a critical, integral part of the main structures of the launch vehicle.

You will probably be a highly experienced aerospace/motorsport composites engineer, working in an 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 system on a European space launch vehicle.

#### **Responsibilities for the Senior Mechanical/Structural Design Engineer:**

- Team leader of structural design group
- Design, analysis and manufacturing of launch vehicle structural elements
- Testing / qualification programme development and execution
- Maintaining and updating structures-related design documents
- Internal and external production and materials liaison

#### **Requirements:**

- Minimum of a bachelor's degree in aerospace, mechanical or structural engineering
- 5-8 years of experience advanced structural design like in airframe, motorsport or spacecraft
- Understanding of parts design, assemblies and total subsystem relations
- General understanding of metals and composite materials
- Sealing, joints and tribology under pressures and thermal loads is preferred
- Detailed understanding of loads, stress, thermal, fatigue and radiation cycles is preferred
- General production and additive manufacturing experience
- SolidWorks advanced skills
- CFD experience, Ansys
- English language skills

#### **Must be:**

- A creative, lateral thinker, able to solve problem pragmatically
- Able to find innovative solutions to complex mechanical and structural problems
- Equipped with a flexible and dedicated mind-set

We are looking for experienced candidates who can demonstrate they get things done with a pragmatic attitude and reliable results. In this role we expect a lot of practical, hands-on



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engagement with suppliers and a wide degree of flexibility and responsibility to achieve a specific outcome. Your track record will be important.

For the right candidates they offer a benefits package that includes the opportunity to earn an equity stake in the company.

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

**How to apply**

Please send your CV to [recruitment@orbex.space](mailto:recruitment@orbex.space) noting "SME2019" in your message title.