



JULY 2018

SDE2018

RECRUITMENT NOTICE

Role: Mechanical / Structural Design Engineer

We are an international space launch company seeking a senior mechanical design engineer for exciting spaceflight development roles based in the United Kingdom/Europe.

We are seeking **motivated, experienced Mechanical / Structural Design Engineers** to work on a new class of orbital space launch vehicle. The system you will work on will be a critical, integral part of the main structure 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.

Start date: September 2018

Workplace: UK

Travel: Occasional within Europe

Your responsibilities will include:-

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

Experience:-

- 4-8 years of experience in airframe, motorsport or spacecraft structural design
- Understanding of parts design and total subsystem relations
- Understanding of metals and composite materials
- Sealing, joints and tribology in under pressures and thermal loads
- Detailed understanding of loads, stress, thermal, fatigue and radiation cycles
- General production and additive manufacturing experience
- CAD experience, ideally Solidworks
- CFD experience, Ansys preferred

Must be:

- A creative, lateral thinker, able to solve problem pragmatically
- Able to find innovative solutions to complete mechanical and structural problems

You will probably have these core attributes:-

- Minimum of a bachelor's degree in aerospace, mechanical or structural engineering
- 4-6 years of composite manufacturing experience in aerospace or similar environment



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- Fluency in use of CAD / FEA systems
- A flexible and dedicated mindset
- English language skills

We are looking 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 engagement with suppliers and a wide degree of flexibility and responsibility to achieve a specific outcome.

For the right candidates we 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.

You may be required to undergo security screening.

How to apply

Please send you CV to recruitment@orbex.space noting "SDE2018" in your message title.