Oxford Space Systems is a multi-award-winning space technology business developing novel deployable spacecraft structures that are lighter, less complex and lower cost than those in current commercial demand.

Our vision is to become the global leader in deployable antennas for space. By working with leading academic & commercial collaborators, we’re developing genuinely innovative deployable antenna solutions for the world’s leading satellite builders.

Based at the Harwell Science and Innovation Campus - the UK’s Space Cluster - Oxford Space Systems enjoys access to world-class facilities including our own purpose built facility which houses Harwell site’s largest cleanroom.

Position: RF Antenna Engineer

Main duties

• Responsible for full life cycle of RF aspects on OSS projects; Design and analysis through to Test and delivery of Reflector, Filar and Linear Patch Array Antenna including feeds and BALUN / matching network design against requirements
• Negotiate technical issues/requirements/design solutions with customers
• Generation of documentation for Design definition, Analysis, Manufacturing, Assembly, Integration and Test Support
• Provide technical support to manufacture and assembly activities using detailed procedures through interaction with MAIT teams
• Responsible for organising and attending all RF testing/verification activities and writing of test reports
• Support business development team in preparing technical proposals for customers

Essential Skills and Experience

• Strong Bachelor’s above degree in Physics, Electronics/Electrical Engineering related subject
• High level of understanding of RF and Antenna design theory including PIM and Multipactor effects
• Experience of using RF software packages; CST Microwave, HFSS, GRASP, CHAMP.
• Innovative thinking – the ability to understand technical requirements and to create robust design solutions using own initiative and the ability to critique own ideas
• A good appreciation of mechanical and thermal properties of engineering materials and their practical implementation
• Proficient in the use of Microsoft Office software
• Demonstrate a common sense/pragmatic and logical approach to problem solving – ability to find simple solutions to complex problems and ability to communicate those solutions to non RF audience
• Experience of working within a regulated industry would be an advantage – Aerospace, Nuclear, Medical
Familiarity with ECSS would be an advantage
The ability to quickly understand new technical concepts is essential

**Personal**

- Good interpersonal skills
- Excellent English written/verbal communication and presentation skills
- Self-motivated to meet objectives
- Ability to work both alone and in teams as required by the individual task
- Ability to work within defined timescales to meet programme milestones
- Ability to work on several projects at any one time
- Driven by technical challenges, problem solving and practical implementation of new ideas
- Willingness to learn and share knowledge with other members of the team
- Ability to gain SC clearance. (Be resident in the UK for at least 5 years)

If you are interested in working with Oxford Space Systems at this exciting point in the OSS story, then please email your CV and a covering letter to jobs@oxfordspacesystems.com with the job title you're applying for in the Subject line of the email.

Please note that only suitable candidates will be contacted.