



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 a recognised, leading supplier of highly competitive deployable structures for the global satellite industry. By working with leading academic & commercial collaborators, we're developing genuinely innovative scalable boom, panel and 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 the world-class facilities & expertise of RAL Space, together with support from the Science and Technology Facilities Council (STFC), Innovate UK and the Satellite Applications Catapult.

Position: 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 MAI 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 or Master's degree-level 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 be given 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 technical 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.