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.

OSS delivers projects within product streams, where the project manager reports directly to a product stream programme manager. Engineers are assigned to and work within each product stream are line managed by the project managers. The Chief Engineer sits outside of the product streams and is responsible for technical excellence across all projects by providing the correct level of technical challenge and coaching, ensuring appropriate and consistent engineering practice across all projects, engineering skills/talent development and ensuring engineers are engineering simple solutions for complex problems and thus delivering a minimal viable product.

**Position: Chief Engineer**

**Main duties:**

- Provides technical expertise and mentoring to multi-disciplined engineers in the areas of RF/EMC, structural dynamics, thermal design and structures
- Conducts thorough product gap analysis (e.g. system functional review SFR and Equipment Qualification Status Review EQSR)
- Works with CTO to help define product roadmap (as part of product steering committee)
- Works with CTO to establish product specific model philosophy, validation and verification plans and risk matrix
- Creates plans to manage technical risks
- Works with project managers to develop technical risk mitigation strategies
- Assists with the generation of accurate risk mitigation and costing strategies during bidding process
- Together with project teams supports the definition of:
  - Project schedule and Cost pertaining to technical activities
  - Project technical delivery
  - Project development approach (using DDVP/VCD)
- Ensures technical delivery of projects
- Works with project teams to ensure technical compliance to customer requirements throughout projects
- Together with PMs ensures technical delivery across all projects in time and within budget
- Constructively critiques to improve system performance/DFMA/cost
- Leads hiring of engineering talent, identifying development needs and technical tools are fit for purpose
- Promotes the pragmatic application of relevant ECSS and other industry standards within the technical team
- Promotes the minimum viable product development philosophy within the technical team
Skills and Experience

• Strong Bachelors or Masters degree in Mechanical/Electronic/System integration/Aerospace engineering or related subject from a reputable university
• Previous engineering leadership experience working at a senior technical level within the aerospace industry (>10 years)
• Demonstrable experience of technically delivering complex space flight projects
• Familiarity with ECSS standards highly desirable
• Experience with software packages for mechanical, thermal analysis and mathematical modelling, RF modelling (e.g. SW professional, FEMAP, ANSYS, Matlab, CST, HFSS etc)
• The ability to quickly understand new technical concepts is essential
• Proficient in the use of Microsoft Office software

Personal

• Due to the sensitive nature of projects applicants must be eligible to gain SC clearance (normally have been a UK resident for a minimum of 5 years).
• Proven record of motivating and inspiring across all levels of the business
• Excellent 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 across 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

If you are interested in working with Oxford Space Systems at this exciting point in the OSS story please email CV and covering letter to jobs@oxford.space with the job title you’re applying for in the Subject line of the email.

Please note that only suitable candidates will be contacted.

If you are not successful in your application your data will be destroyed within 6 months of your application. We may retain your email details for future opportunities, please inform Oxford Space Systems as part of your application if you do not wish us to hold your personal email.