

Spacecraft Instrument Design & Development



Neptec UK is a growing and dynamic company based on the Harwell Campus in Oxfordshire. We are a subsidiary of Neptec Design Group Ltd. of Ottawa, Canada, an award-winning technology innovator for the space market and NASA Prime Contractor. Neptec UK provides support to our European based customers as well as specializing in the UK development of space qualified metrology instruments, IR cameras and other intelligent sensors.

JOB PURPOSE

We are looking for enthusiastic and innovative engineers with experience working in the space industry. Are you passionate about space exploration? Do you have experience designing or building instruments or components for the harsh space environment? If so, then this is a rare chance to join a growing company with an exemplary heritage in the industry. We have exciting opportunities available to join our international and enthusiastic team developing instrumentation for several space missions, including a lunar lander.

You will be working at the Harwell Campus—an innovative hub for science and technology advancement in the UK.

POTENTIAL TASKS:

- Designing and troubleshooting hardware and software for space missions
- Manufacturing, assembly, integration and testing
- Working with a dynamic team to produce innovative solutions
- Preparation of technical documentation including test procedures, design specifications and engineering change notices

REQUIRED SKILLS:

- Experience designing, manufacturing or testing hardware for the space environment
- Enthusiastic about space exploration
- Software experience (i.e. programming, modelling, CAD)
- Ability to independently apply engineering principles to design projects
- Keen to solve complex challenges in a small team
- University degree in mechanical/aerospace engineering or equivalent
- Excellent written and oral communication

SKILLS CONSIDERED AN ASSET:

- Software: Matlab/Python/C or C++
- CAD (Pro/E, SolidWorks, and/or CATIA)
- Familiarity with formal configuration control methods
- Experience with ECSS standards
- Structural and thermal analysis

- Radiation analysis
- Experience with environmental testing
- Test specification, plan and procedure development
- Hands on manufacturing, assembly, integration and testing
- Quality Assurance

Neptec offers a competitive compensation package to commensurate with experience. Interested applicants should forward their resume and cover letter to: careersnuk@neptec.com.

Only those selected for an interview will be contacted. NO AGENCIES PLEASE.