Reference:	**SPA004**
Job Title:	Research/Development Engineer
Company:	ESR Technology
Location:	Birchwood Park, Warrington (near Manchester)
Employment Category:	Full Time (37.5 hours per week)
Salary/Benefits:	Competitive salary, with excellent benefits including 25 days annual leave plus statutory holidays, additional leave purchase, up to 8% matched pension contribution, health care, life assurance and more

- Are you a mechanical, aerospace or similar engineering graduate?
- Interested in supporting a diverse customer base in the development of their products and technologies for space or vacuum applications?
- Able to take responsibility for all aspects of research and development (R&D) projects – from working hands-on in cleanroom to analysing data, writing first class technical reports and presenting confidently to demanding clients?
- Do you want a varied, challenging and satisfying career working within an internationally renowned team?
- Do you expect to be recognised for your performance?

The Company

ESR Technology is a leading Science and Engineering services company providing independent and specialist technical consultancy, products and services to the Oil & Gas, Space, Industrial and Transport markets. We are seeking a highly motivated and technically able engineer to join the staff of the European Space Tribology Laboratory (ESTL), our successful spacecraft mechanism and tribology research team operated on behalf of the European Space Agency (ESA). We need confident, capable staff who take responsibility for their work, have excellent communication skills and want to work on technically challenging projects for international clients.

The Job

This is a graduate/early career position within ESTL which provides specialist scientific and engineering support to clients in both space and terrestrial markets. Activities include support to commercial R&D including liaison with colleagues/clients to identify project scope, all aspects of project delivery (test facility and test specification, commissioning, test execution, analysis, and reporting of results) supporting major international space and science programmes as well as the growing commercial space and terrestrial vacuum markets. Clients include ESA, spacecraft and vacuum mechanism/equipment developers and research organisations. Projects vary in size from weeks or months duration up to longer term multi-year projects.

The successful candidate will be expected to demonstrate or ultimately to acquire specialist knowledge in the field of tribology, especially relating to vacuum and space environments. However, equally important will be a sound and broad-based engineering background to enable the effective use of existing technical knowledge to work hands-on, with support as needed, to deliver all aspects of the R&D activities with which they will be tasked.

The abilities both to plan work and take responsibility for its completion within a commercial R&D environment are essential. This requires the employee to understand internal or external customer requirements, use their specific technical expertise to contribute to the outcomes from a multi-disciplinary team and ultimately to become responsible not only for project execution, but also for the management of work packages or projects, resources and suppliers to achieve objectives within technical, cost and schedule constraints.

You will be located at our modern offices in Warrington, with a mixture of desk-based and laboratory/cleanroom work. Some travel is required to visit clients, suppliers and other project partners both within the UK and internationally. Depending on the background of the successful candidate, the role will provide opportunities for training in aspects of space tribology, vacuum practices, project management and other technical and interpersonal skills required for the role as well as for the attainment of Chartered Engineer status.

Requirements

The successful candidate will need to be self-motivated, able to prioritise work and learn quickly whilst working alongside experienced colleagues. It is essential that the candidate is:

- Technically strong with an enquiring mind, a creative problem-solver willing to learn and to contribute effectively.
- Willing to perform hands-on tasks in a laboratory/cleanroom environment.
- An excellent communicator (both written and verbal).
- Sociable and a team player.

Although not essential the following would be of benefit:

- Some tribological knowledge, background or experience.
- Experience of assembly/commissioning test facilities (e.g. mechanical assembly, drives and controllers, instrumentation/data acquisition and/or control software, calibration and validation of data).
- A desire to work towards membership of a professional institution.

Qualifications

A first class or 2.1 degree in Mechanical or Aerospace Engineering, or a related discipline.

Travel Requirement

Occasional UK and International travel.

Right To Work

Prospective candidates for this role should be aware that any offer of employment in connection with this vacancy is conditional upon, and subject to the candidate obtaining, and at all times continuing to have, the right to live and work in the United Kingdom.

Application

If you are passionate about delivering outstanding value to our clients and our business, then this could be the role for you.

Write with full CV, highlighting what you can contribute in this diverse and interesting role to careers@esrtechnology.com