

OXFORD SIGMA JOB DESCRIPTION

3rd January 2025

Job title:	Senior or Principal Development Engineer
Job location:	Oxford City Centre, UK
Hours:	Flexible, full-time (37.5 hours per week)
Salary:	Competitive
Dates:	January 2025
Reference:	OS-JA-SENDEVENG-02

Company

Our vision is to tackle energy security and climate change by accelerating the commercialisation of fusion energy. **Our mission** is to deliver materials technology, materials solutions, and fusion design services in order to assist fusion delivery.

About us: We are a small, organically grown, company owned and operated by scientists and engineers, with our roots and headquarters in Oxford. We have established ourselves as a highly respected technical service supplier for the fusion energy market, within both the private and public sectors, nationally and internationally. We are equally a research and technology development company developing novel disruptive materials and design technologies to help in the required fundamental shift for the world's clean energy future.

Role

We are expanding our technical team in technology development and strategic support. The role will require the candidate to:

- Develop specifications for prototypes through to commercial products.
- Create designs, and engineering drawings to recognised codes and standards, such as ASTM, EN, BS, ASME BPVC, and liaise with manufacturers to procure components to quality.
- Identify and implement environmental, health and safety considerations on test and prototype devices.
- Maintain documentation on development activities, and decision points using conventional engineering management approaches.
- Build and support relationships with a network of subcontractors to enable engineering progression.
- Provide line management, guidance, and support for more junior engineers
- Provide technical leadership, governance, or project management, for collaborative, internal and external projects.

The role will require teamwork, and the ability to communicate complex challenges to a range of audiences. Materials are a grand challenge for the realisation of fusion power on the grid, you will be working on problems without obvious solutions requiring tenacity, and lateral approaches to solve. Some national and international travel will be required.

Qualifications & experience

Ideally, you will have some of these:

- A strong background in R&D engineering – with experience in one or more of mechanical, thermofluids, materials, or manufacturing.
- Ability to find solutions using a combination of first-principles, general engineering and simulations.
- An ability to communicate technical concepts to technical non-specialists
- Excellent verbal and written communication and presentation skills
- Experience as a project technical lead in a multi-partner environment
- Experience with contract management and bid development
- Industrial R&D experience
- Experience with making key technical and commercial decisions

Maybe, you will have some of these:

- Technical project management experience
- Experience managing, supporting, and developing junior engineers
- Small business experience, a desire to build business, and strategise for the future

Eligibility

The candidate must have the right to work in the UK

Our benefits

- 28 days annual leave pro-rata
- Company bonus scheme
- Flexible working around core hours
- Company pension scheme
- Cycle to work scheme
- Enhanced parental pay
- Inclusion in the Business Health Scheme
- Assist and support chartership progression with the appropriate body.

Additional Information

Underrepresented people are less likely to apply for engineering roles if they do not meet 100% of the job requirements. We are actively seeking these kinds of applicants and believe in hiring people not checklists. If you are interested but unsure if your experience aligns, please get in touch with Alasdair Morrison, the hiring manager, to discuss if this role or others we are developing may match you as a person.

Apply

Submit your CV and cover letter (both PDF format) at www.oxfordsigma.com/careers/.

The application deadline is **17:00 31st January 2025**