



first light

Engineering Project Manager Job 108

Job Description

We are looking for a Project Manager to join our Pulsed Power team. The Pulsed Power team develops and operates extremely high-energy pulsed discharge machines. The team have designed, built, and operate a series of pulsed power machines including Machine 3, the largest of its kind in Europe. Now, we are working on a major next step for First Light Fusion, the design and building of what is expected to be the largest pulsed power facility in the world; Machine 4.

The size of the machine at the heart of this scientific facility will be circa. 100 m and the facility will accommodate a series of supporting sub-systems. The programme is expected to take around five years to deliver with a materials budget exceeding £100M. The successful candidate will primarily work on the delivery of Machine 4, with the flexibility to support ongoing Pulsed Power experimental, operational, and design work.

Responsibilities will include:

- Project manage the design and construction of Machine 4, our future experimental driver
- Work closely with other stakeholders on the programme as a dedicated Technology Control team

Essential

- A natural inquisition for electrical and mechanical engineering, with the ability to understand the technical nuances behind decisions.
- Successful project management experience within the engineering or science sectors.
- Strong knowledge and expertise in project management good practice.
- Attention to detail, organisation, coordination, task completion, and a good eye for efficient solutions.
- Strong interpersonal skills and stakeholders' management of technical specialists.
- Ability to manage and prioritise time, as well as tasks effectively
- Ability to deliver results under tight and evolving deadlines

Desirable

- Technical engineering or science experience in the relevant fields.
- Professional membership and relevant qualifications in project management

First Light Fusion Ltd

Unit 10, Oxford Pioneer Park
Mead Rd., Yarnton, Oxford
United Kingdom
OX5 1QU

Company No – 07555858
www.firstlightfusion.com





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Benefits

- Very competitive salary
- 25 days annual leave (increasing to 28 with time in service) + bank holidays
- 8% employer pension contribution without matching requirements
- Relocation support
- Flexible working
- Generous share options scheme
- Free lunch and soft drinks
- Enhanced maternal / paternal leave
- Enhanced sick leave

Additional information

How to apply

Please send your application and CV to careers@firstlightfusion.com quoting the job title in the subject. If you don't hear back from us within four weeks, it means that unfortunately your application was unsuccessful at this time.

Informal enquiries may also be addressed to careers@firstlightfusion.com.

The interview process

We typically carry out two separate interviews, each one about sixty to ninety minutes long. The first one aims to understand how your skills match what is required for the job and the discussion will be focused on your areas of expertise. If successful, you will be invited to the second interview, which is more focused on your personal skills, and how your objectives align with the company mission and values. We try to understand the value you will add to First Light, and how you can thrive and be happy with us. There will be opportunity to ask us as many questions as you like.

If you are invited to the second interview, it's probably time to warm up two of your referees, as we may ask you to put us in touch with them. If you are the successful candidate, we will send you an offer letter and, once agreed, a contract.

If you are invited to an interview, we will certainly get back to you to let you know the outcome.

To help with logistics issues, we can arrange so that the two interviews are organised on the same day. We will also reimburse reasonable expenses you incur to come to talk to us.

We don't have a dress code at First Light and regardless of seniority there is a good mix of t-shirts, trainers, shirts and blazers. For your interview, please dress in whatever makes you feel most confident and comfortable.

Our commitment to equality, diversity and inclusion

We are a small company with a huge mission. The only important aspect for the team, and for each individual, is the contribution they can make. Our selection process and requirements for career progression disregard gender, gender identity, race, disability, colour, religion, and all other aspects of diversity that make us all humans. Diverse teams have been proven to be better and we strongly believe it. We're not perfect but we strive to be.

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[Information for recruiters](#)

We work with a trusted network of recruiters, therefore CVs sent by other recruitment agencies will not be considered. In the event that the company receives a CV from both the direct applicant and a recruitment agency, the CV will be treated as a direct application by the individual only. Unsolicited contact from recruitment agencies will be disregarded.

First Light Fusion

We are a lean, focused and agile company researching energy generation by inertial confinement fusion. We spun out from the University of Oxford in June 2011 and are based near Oxford. First Light continues to work closely with the academic community, both in the UK and internationally. The company is well-funded by both institutional investors and private individuals.

Inertial confinement fusion for energy generation is a well-established research field and is being pursued in many laboratories worldwide, perhaps most notably in the US at the National Ignition Facility. We are exploring a number of alternative research directions that harness the same fundamental physics, with the prime focus being power generation. Our work to-date has included theoretical analysis, detailed numerical simulation, and experimental validation. We have an increasingly clear vision of the pathway to a power plant.

We really believe fusion will be solved in the 2020s. If it's solved by us, fantastic, if it's solved by someone else, still great.

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