

# Technician

## Job ref 41

### Vacancy Specification

First Light Fusion are seeking to recruit a technician to work within the pulsed power team on the electro-magnetic launch campaign, developing the existing EM launch capability and setting up experimental campaigns.

We are looking for a highly motivated person with strong electrical and mechanical assembly experience who can assemble, strip down and re-assemble sophisticated experimental equipment. Specialist training will be provided for the right candidate.

#### *Essential*

- The ability to build complex assemblies accurately
- Working to tight tolerances
- Ability to identify, report and replace worn parts and seals during visual inspection
- Ability to communicate and liaise with Design and Engineering teams
- Flexible, with a good attitude to work

#### *Desirable*

- Knowledge of safe working practices, including high voltage
- Good background in Engineering with preferably an apprenticeship behind you
- Vacuum experience
- A logical and analytical approach to problem solving
- Being highly motivated, confident and organized with keen attention to detail
- Ability to absorb technical information quickly and being able to perform occasional tasks whilst under time pressure
- Computer literate
- Good level of numeracy and literacy

### Benefits

- A competitive salary, negotiable depending on qualifications and experience
- Entry into a company option's scheme
- Company pension scheme
- Relocation packages will be considered

### First Light Fusion

First Light Fusion Ltd is a lean, focused and agile corporation researching energy generation by inertial confinement fusion. The company was spun out from the University of Oxford in June 2011 and is 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. First Light is exploring a number of alternative research directions that harness the same fundamental physics, with the prime focus being power generation. First Light's work to-date has included theoretical analysis, detailed numerical simulation and experimental validation. This has allowed description of the accessible parameter space and has led to a clear vision of the pathway to fusion.

First Light has also considered the costs and engineering practicalities of a reactor implementing its technology and can articulate a number of advantages over other approaches. Additionally, the energy focusing processes being pursued form the foundations of a new technological platform where secondary opportunities exist in a number of alternative applications, for example material processing and chemical manufacture.