



Mechanical maintenance technician

Permanent position

Context

You will join the (12-person) "Fluids" team within the Mechanical Engineering Service of the ILL's Reactor Division. This team of highly technical experts is responsible for operating and maintaining the reactor's fluid circuits (primary circuit, secondary circuit, nuclear ventilation, compressed air, refrigeration units, etc.) and the associated mechanical equipment (pumps, heat exchangers, purification resins, filtration system, ventilators, etc.).

Your tasks

Your main role will be to operate, maintain and repair the equipment associated with the reactor's primary circuit, which contains heavy water (D₂O), while ensuring compliance with a strict maintenance process. This will involve performing the following tasks:

- Preparing the documentation required for maintenance operations and statutory periodic tests and inspections: drafting of work procedures and work authorisations
- Preparing and setting up the work site: selecting the appropriate valve configuration and preparing the work area in conjunction with the Health Physics group
- Performing the work operation required (statutory periodic testing and inspection or maintenance operation)
- Drafting, where necessary, a maintenance report and filling out the logs for equipment under maintenance
- Drafting technical specifications for subcontracted maintenance operations
- Supervising subcontracted maintenance operations
- Drafting the documents associated with your activity: reports, updating of drawings and process and instrumentation diagrams (PID) in conjunction with the design office, etc.

You will receive training (mentoring, accreditation, etc.) throughout your career at the ILL to help you settle in your new position and improve your job skills.

Your profile

- Level 4/5 qualification (NVQ, BTEC HND or equivalent) in mechanical, fluid and energy, thermal or maintenance engineering, or significant equivalent experience.
- Experience in curative and preventive maintenance of fluid circuits and in equipment upgrades.
- Experience of working within a quality assurance framework, if possible in the nuclear sector.
- Good analytical skills and excellent writing skills.
- Knowledge of vacuum techniques (helium leak testing).
- We are looking for a resourceful team player with an ability to find the right solutions; we particularly value applicants with a responsive attitude and sound listening and organisational skills.

What we offer



Quality of life – A hub for research and technology, the city of Grenoble is ideally located in the heart of the French Alps (just 3 hours from Paris/Provence by train, 1 hour from Lyon international airport and 1 ½ hours from Geneva). It is important for us that our staff achieve a healthy work-life balance. We therefore offer a host of benefits that you will discover when you arrive!



Prospects - We guarantee you a **stable permanent position** in a multicultural scientific environment.



Benefits - We offer generous social benefits (expatriation allowance, excellent health cover), moving and relocation assistance (under certain conditions) and an annual productivity bonus. We also offer language courses for you and your partner and subsidies for the use of public transport and the staff canteen, as well as for holidays and a variety of cultural and sports activities.

Sounds interesting?

Then why not take your next career step with us by applying online - preferably in English - via our career portal by **30.04.2023**, quoting reference number **23/14**. Please note that all applicants are subject to administrative screening (background checks). For this post, medical fitness (including for work under ionising radiation) is required. You will also have to perform an emergency response role in the event of a major crisis.

We are committed to equal opportunities and diversity and therefore welcome applications from all suitably qualified candidates.

The Institut Laue-Langevin (ILL) is based in Grenoble (France) and operates Europe's leading research facility for basic research with neutrons. United by our passion for progress and technology, we drive science and research forward every day. Together, we can pave the way for discoveries that will help to make our world a better place.