

# EXPANDING THE BOUNDARIES OF MODERN SCIENCE



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## Mechanical maintenance technician

### Core mission

You will join the Fluids group, a 12-person team of highly technical experts within the Mechanical Engineering Service of the ILL's Reactor Division.

This team is responsible for operating and maintaining the reactor's primary circuits, its fluid supply circuits (secondary circuit, nuclear ventilation, compressed air, refrigeration units, etc.), as well as the associated mechanical equipment: pumps, heat exchangers, purification resins, filtration system, ventilators, etc.

### Your tasks

You will take an active part in the following:

- Preparing the procedures and work authorisations for maintenance operations in compliance with the conventional and nuclear safety regulations in force at the ILL
- Preparing the maintenance work area, in conjunction with the Health Physics group, selecting the appropriate valve configuration, and performing the maintenance operations
- Producing, where necessary, a maintenance report and filling out the logs for equipment under maintenance
- Performing statutory periodic tests and inspections
- Supervising subcontracted maintenance operations and drafting the corresponding technical specifications
- Producing reports, process and instrumentation diagrams (PID), etc. in compliance with the ILL's Integrated Management System
- Assisting on an occasional basis with the operation of other equipment managed by the Fluids group.

### Your profile

- Level 4/5 qualification (NVQ, BTEC HND or equivalent) in mechanical, thermal or maintenance engineering (or equivalent).
- Experience of maintaining pumping systems and of working within a quality assurance framework is desirable.
- Experience of working in the nuclear sector would be an advantage.
- Knowledge of vacuum techniques (helium leak testing) and the ability to perform simple fluid mechanics calculations would be an asset.
- Good analytical skills and excellent writing skills in French (procedures, technical specifications, etc.).
- 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.

closing date for submissions: **12/02/2023** Ref. #: **23/03**

*We care about Equal Opportunity and Diversity; therefore we encourage both men and women with relevant qualifications to apply.*

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