



Mechanical and hydraulic engineer "specified-purpose" 3-year fixed-term position

Your mission

The Mechanical Engineering Service, which is part of the ILL's Reactor Division, is responsible for the maintenance of the technical installations associated with the high-flux reactor (HFR). Reporting to the Head of Service, you will join the project team working on the "Pipework" modification project for spent fuel transfer canal n° 2. The aim of this project is to ensure that the pipes which penetrate the concrete structure of the transfer canal remain leaktight in the event of an earthquake.

In parallel to this project, you will work in collaboration with ILL engineers on another project dedicated to medical research, the "Radioisotopes" project, which involves installing a new facility to irradiate isotopes inside the reactor using a system of shuttles travelling inside hydraulic tubes.

Your tasks

- Contribute to the overall design process and monitor subcontracted design work for these two projects
- Organise project planning and prepare the associated budgets
- Produce design specifications and monitor the carrying out of design studies
- Produce specifications for the procurement of equipment
- Take part in the organisation of calls for tender and supplier selection
- Monitor all manufacturing stages (inspections, validation, non-conformity analysis, etc.), equipment acceptance, etc.
- Monitor and assist with the installation of equipment (equipment assembly procedure, qualification test procedure, commissioning of installations) in collaboration with other ILL services or outside subcontractors.

Your profile

- Master's degree (or equivalent qualification) in mechanical and hydraulic engineering
- At least 5 years' professional experience
- Knowledge of mechanical and hydraulic design (structures, SKID, etc.), structural design (strength of materials), and physical measurements and instrumentation
- Experience of manufacturing within a quality assurance framework
- Excellent writing skills (procedures, technical specifications, etc.)
- A 'hands-on' approach for monitoring work on site
- Fluency in French is essential; knowledge of English is preferable; knowledge of German would be an advantage.

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 home working (under certain conditions), generous annual paid leave entitlement and a host of other benefits that you will discover when you arrive!



Prospects - We guarantee you a secure "specified-purpose" 3-year fixed-term 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 via our career portal by **27.02.2022**, quoting reference number **22/04**. Please note that all applicants are subject to administrative screening. For this post, medical fitness for work under ionising radiation is required. You will also have to perform an emergency response role in the event of a 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.