

INSTITUT MAX VON
LAUE
PAUL LANGEVIN



Instrumentation and Control Technician (M/F)



The Institut Laue-Langevin (ILL) is an international scientific research centre situated in Grenoble, France. It is Europe's leading neutron science facility. Every year the ILL welcomes more than 2000 visiting scientists to carry out world-class research. The Reactor Division, whose role is to produce the neutrons needed to supply the ILL's scientific instruments, currently has a vacancy for an:

Instrumentation and Control Technician (M/F)

Duties:

You will join the Reactor Division's Electricity/Distribution/Automation group, where you will be assigned to the "Detritiation" project group, whose objective is to refurbish the facility used for the treatment of tritium, an isotope which accumulates in the heavy water of the ILL reactor's primary cooling circuit. As a member of the Electricity/Distribution/Automation group and as specialist 'electricity / instrumentation & control' technician for the project, you will perform design studies, development work and commissioning for:

- the utilities in the reactor building (ventilation, lighting, measuring channels, etc.) in compliance with ATEX standards
- special items of equipment (hydrogen burner, equipment for controlling and monitoring reactor releases, etc.)
- new work on the tritium treatment facility.

More specifically, your duties will involve:

- drafting specifications for the supply of installations and equipment
- preparing installation and wiring diagrams
- documenting electrical work (design and implementation) based on the starting assumptions
- monitoring installation work
- performing operational testing and commissioning
- maintaining and operating the equipment under your responsibility.

On completion of the "Detritiation" project, you will be required to take up other duties.

Qualifications and experience:

You have an NVQ Level 4 or equivalent qualification (e.g. BTEC HND) specialising in electrical engineering.

To succeed in this position, you must have a detailed knowledge of instrumentation and control and electrical distribution systems. Experience of working in a petrochemical environment with ATEX equipment or of SIL functional safety (IEC 61508) would be an advantage.

You have a "hands-on", methodical and meticulous approach to your work and are able to work independently. You possess good writing skills and have some knowledge of quality assurance concepts. You are able to take initiative while complying with regulatory requirements.

Language skills:

As an international research centre, we are particularly keen to ensure that we also attract applicants from outside France. You must have a sound knowledge of English and be willing to learn French. Knowledge of German would be an advantage. (Language courses will be paid for by the ILL).

Benefits: Generous company benefits (expatriation allowance), relocation assistance and language courses may be offered (for more information, please consult our employment conditions).

Notes:

This is a permanent contract.

Medical fitness for work under ionising radiation is required (compulsory medical examination prior to taking up duties). In the framework of his/her future duties (after completion of the "Detritiation" project), the successful candidate will be required to perform shift work.

How to apply:

Please submit your application on line, no later than **03/01/2017**, via our website: www.ill.eu/careers (vacancy reference: **16/46**).

The ILL is an equal opportunities employer and encourages both men and women with the relevant qualifications to apply