



The ESRF is a multinational research institute, situated in Grenoble, France and financed by 21 countries mostly European. It operates a powerful synchrotron X-ray source with some 30 beamlines (instruments) covering a wide range of scientific research in fields such as biology and medicine, chemistry, earth and environmental sciences, materials and surface science, and physics. The ESRF employs about 600 staff and is organized as a French *société civile*.

*Within the Instrumentation Services and Development Division (ISDD), the Mechanical Engineering Group is seeking to recruit a:*

## Mechanical Engineer

### Fixed-term contract of 3 years maximum

#### THE FUNCTION

You will be part of a team of engineers in charge of developing new mechanical assemblies for the ESRF Upgrade Phase II. Your main duties and responsibilities will be to:

- Carry out feasibility studies and mechanical design studies using computer-assisted tools for components of the accelerators and experimental lines (high stability supports, electro-magnets, vacuum chambers, motorised mechanical systems, etc...) involving precision, stability, vacuum and cooling technologies.
- Participate in engineering calculations.
- Supervise the production of detailed mechanical drawings, the procurement, manufacturing and test phases.

For these tasks you will work in close collaboration with engineers experienced in mechanical engineering applied to particle accelerators and scientific instruments.

#### QUALIFICATIONS AND EXPERIENCE

You should hold a university degree or engineering diploma in a related discipline (Master 2, Diplom, DESS, Engineer school degree, Laurea, Licenciatura, MSc ...) or equivalent, with 3 to 8 years of experience. Alternatively, you should have acquired equivalent experience as a skilled draftsman that enables you to perform tasks at a chartered engineer level. Skills and experience in mechanical design are mandatory and you should have the ability to quickly understand scientific requirements.

You should be skilled in the following fields:

- Mechanical design using CAD software (Solid Works) and engineering calculations
- Procurement process, manufacturing follow up and project management
- Ability to work autonomously and in a team.

**The working language of the ESRF is English.** Knowledge of French is an asset.

#### OUR OFFER

The annual gross salary will be within the range of 34 to 44 k€ depending on qualifications and experience, plus possible additional allowances according to status. For further information on employment terms and conditions, please refer to <http://www.esrf.fr/Jobs/Conditions>. The ESRF is an equal opportunity employer and encourages applications from disabled persons.

**If you are interested in this position, please apply on-line at this address:**  
<http://www.esrf.fr/Jobs>.

**Ref. COD/MEG – Deadline for returning application forms:  
06 December 2015**

**ESRF**, The European Synchrotron  
Human Resources - Recruitment  
71, avenue des Martyrs, 38000 GRENOBLE - FRANCE