



French-German Research Institute of Saint-Louis

The **French-German Research Institute of Saint-Louis (ISL)** situated in the border triangle of Germany, France and Switzerland is an internationally renowned research institute belonging to a global industrial and economic network. The spectrum of our core activities comprises a variety of topics: aerodynamics, energetic and advanced materials, lasers and electromagnetic technologies, protection, security and situational awareness. Our activities are related to both basic and applied research.

www.isl.eu

For immediate placement, we are currently looking for a

Engineer for electromagnetic acceleration (m/f/d)

Your new tasks and responsibilities – challenging and future-oriented

- ◆ Responsible for shot trials with ISL's electromagnetic accelerators
- ◆ Responsible for the supervision of the technical staff, for the planning of tests, data processing, technical upgrades and facility maintenance
- ◆ Design simulation models of launchers according to the tests conducted
- ◆ Prepare and carry out experiments in the area of electromagnetic launchers; scientific papers; prepare government and third-party contracts; participate in conferences
- ◆ Technical support for trainees and PhD students
- ◆ Study and develop electronic/electric power components (control circuits, power circuits, data transmission, etc.) which may contain mechanical parts
- ◆ Develop routine/script in Labview for data processing and reading
- ◆ Joint development of mechanical devices using DAO Pro Engineer

Your qualifications – solid and appropriate

- ◆ Master's degree or engineering degree, specialised in electrical engineering, in particular power electronics or pulsed power, mechatronics
- ◆ Good technological knowledge in some of the following areas:
 - Pulsed power
 - High voltage/high current generators
 - Power electronics
 - Instrumentation for electric and electronic measuring
- ◆ Experience in mechanical engineering preferred: conception and design (Pro Engineer)
- ◆ Good communication skills. You like to work in a team and to take initiatives. You are an effective organiser, easily adapting to new situations.
- ◆ Good command of French and German

Our offer

- ◆ Fixed-term contract of 3 years, possibility of conversion to permanent contract
- ◆ Attractive remuneration, flexible working time and balanced working-private life
- ◆ Various possibilities of advanced training
- ◆ An international and modern working environment with about 400 colleagues
- ◆ Career development opportunities
- ◆ The position is open to people with disabilities

If this challenging description fits your profile, we are looking forward to receiving your complete application (letter of motivation, curriculum vitae in tabular form, school certificates, university degrees with detailed examinations, work references and other relevant documents), mentioning the following keyword: "EHI-I"

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