



## Technician (Mechanical)

***Are you a skilled technician, with experience in mechanical and low-pressure hydraulic systems? Are you motivated, eager to acquire new skills and knowledge and integrate a team of professionals who will train you in the field of pulsed power systems in the largest particle physics laboratory in the world? This is an opportunity for you. Take Part!***

You will join the [Accelerator Beam Transfer group](#) which is responsible for the design, development, construction, installation, exploitation and maintenance of injection and extraction related equipment for the whole CERN accelerator complex. Within this group the Fast Pulsed Systems Section is responsible for design, construction, testing, measurement, commissioning and daily operation of fast pulsed magnets (kickers) and their associated high voltage pulse generators and transmission lines.

### Functions

As a mechanical technician in the TE-ABT-FPS section you will work in a multi-disciplinary and international team of engineers and technicians. After an initial period of familiarization, you will:

- Prepare and participate in the construction of fast pulsed systems (special magnets, high voltage pulse generators and ancillary hydraulic systems) for the upgrade of the LHC injector chain (Proton Synchrotron Booster PSB, Proton Synchrotron PS and Super Proton Synchrotron SPS).
- Select components, coordinate logistics and write assembly and test procedures.
- Participate in the definition of technical specifications for the control of hydraulic systems and complete installations.
- Carry out maintenance work on operational fast pulsed systems and their ancillary hydraulics across the accelerator complex, including the refurbishment and repair of existing oil-immersed equipment.
- Participate in the installation of equipment in tunnels and underground galleries and in the commissioning of the completed systems in collaboration with various CERN services.

### Qualification required

Higher technical diploma or equivalent qualification in mechanics or hydraulics.

### Experience and competencies

The experience required for this post is:

- Several years' experience in one or several of the following fields: electromechanical, hydraulic systems construction and assembly, maintenance of large systems.

The technical competencies you will need to take up the post are:

- Mechanical / electromechanical systems assembly.
- Commissioning and maintenance of electromechanical equipment and systems.
- Installation and maintenance of hydraulic components (pumps, electrical or pneumatic actuators, cooling systems) and instrumentation.
- Fluid mechanics and mechanical design.
- Maintenance and operation of gas/liquid storage and distribution systems.
- Use of Office software packages.

The behavioural competencies you will have to demonstrate are:

- Achieving results: Taking responsibility for achieving quality results.
- Working in a structured and efficient way; able to set priorities and plan tasks with results in mind.
- Communicating effectively: Practising attentive listening and actively promoting mutual understanding.
- Solving Problems: Identifying and analysing the key issues in complex situations.
- Building Relationships: Valuing differences in ideas, perspectives and culture.
- Working in teams: Contributing to promoting a positive atmosphere in the team through an optimistic and constructive attitude; addresses issues.
- Working in the interest of the Organization: Applying organisational rules and processes and actively promoting its safety procedures.
- Demonstrating flexibility: Readily adjusting plans and priorities to respond to changing circumstances.

The language competencies required for this post are:

- Good knowledge of English or French; good level of speaking, listening comprehension, writing, and reading; basic level of the other language, or an undertaking to acquire it rapidly.

[APPLY ONLINE!](#)

**CERN – TAKE PART!**