Mechanical Technician (SY-STI-TCD-2025-131-GRAE)

Your responsibilities

The SY-STI-TCD Section oversees the conceptual design, construction, operation, and maintenance of beam-intercepting devices across the CERN's accelerator complex. The beam intercepting devices are precision mechanical equipment working in harsh environments that must be very reliable to guarantee the operation of CERN accelerators.

Are you passionate about mechanical engineering and skilled at multitasking? Join us!

You will be part of a multidisciplinary team responsible for the design, assembly, installation, and maintenance of beam-intercepting devices. These systems play a critical role in the safe and efficient operation of CERN's accelerators.

In this role, you will oversee the cycling of LHC spare collimators to ensure their maximum availability and to detect potential issues in advance. You will also take part in the operation and maintenance of the LHC collimation system, including regular technical interventions and service activities.

Additionally, you will perform maintenance and installation of beam intercepting devices in the accelerator facilities and conduct on-line commissioning tests to ensure operational readiness. You will also provide mechanical support for activities within the accelerator complex and assist in the operation of the mechanical workshop.

More information here: https://cerncourier.com/a/intercepting-the-beams/

Your profile

Skills:

- CAD systems, 3D and 2D drawing.
- Assembling, and testing precision mechanics.
- Good communication, well-organised with accountability.
- Working in a team, as well as independently.
- Spoken and written English or French, with a commitment to learn the basics of the other language.

Eligibility criteria:

- You are a national of a CERN Member or Associate Member State.
- **By the application deadline,** you have a **maximum of two years of professional experience since graduation** in Mechanics (or a related field) **and your highest educational qualification is a general secondary education diploma**.
- You have never had a CERN fellow or graduate contract before.
- Applicants with a Bachelor's, Master's or PhD degree are not eligible.

Additional Information

Job closing date: **29.08.2025** at **23:59 CEST**.

Contract duration: 24 months, with a possible extension up to 36 months maximum.

Target start date: 01-September-2025

This position involves:

- Work in Radiation Areas.
- Interventions in underground installations.
- A valid driving licence.
- Exposure to lead.
- Use of certain mobile work equipment or equipment used for lifting loads (lifting equipment, bridge cranes, aerial work platforms, etc.) requiring a driving authorisation.

Given the occupational health risks associated with this position, the selected candidate must obtain medical clearance before a contract offer is confirmed.

Job reference: SY-STI-TCD-2025-131-GRAE

Field of work: Mechanical Engineering

What we offer

- A monthly stipend of **4624 Swiss Francs (net of tax)**.
- Coverage by CERN's comprehensive **health scheme** (for yourself, your spouse and children), and membership of the CERN **Pension Fund**.
- Depending on your individual circumstances: installation grant; family, child and infant allowances; payment of travel expenses at the beginning and end of contract.
- **30 days of paid leave per year**.
- On-the-job and formal training at CERN as well as in-house language courses for English and/or French.