



Elettra Sincrotrone Trieste

# Technician for Elettra and FERMI beamlines and support laboratories

Deadline: 31 January 2024

Ref: DA/23/46

## Background

Elettra Sincrotrone Trieste is an international multidisciplinary research center operated as a user facility, featuring a 2.0/2.4 GeV, third-generation synchrotron light source (Elettra), a new free-electron laser light source (FERMI) and a variety of support laboratories. The extremely high quality of the machines and beamlines has set new performance records and has been producing results of great scientific and technological interest. In order to allow the laboratory to remain competitive in the next 20 years, an entirely new source - Elettra 2.0 - belonging to the new generation of storage rings (DLSR or Diffraction Limited Storage Ring) is being developed. The new source will exhibit a major increase in the brilliance and coherence fraction of the photon beams. Existing beamlines will have to be upgraded and new beamlines developed to take full advantage of the characteristics of Elettra 2.0. The new machine is scheduled for commissioning in the second half of 2026. See <http://www.elettra.eu> for more information.

## Job description

The successful candidate will provide technical support for the development, operation and maintenance of Elettra and FERMI beamlines and support laboratories, included their varied experimental set-ups. This will include operation and maintenance of vacuum systems (vacuum chambers, manipulators, vacuum instrumentation, etc.), as well as design and manufacturing of mechanical components. She/he will conduct her/his activity in close collaboration with the beamline staff and will interact with national and international facility users.

## Qualifications

A high school diploma of an industrial institute with specialization in mechanical engineering or equivalent is required together with at least 2 years of professional experience relevant to the position.

A track record in the following fields is required:

- 1) Use of machine tools (drill, lathe and milling machine) and welding techniques;
- 2) Use of CAD programs for technical drawing and Microsoft Office programs (Word, Excel).

Basic oral and written communication skills in English are expected.

Ability to read a technical drawing correctly and follow instructions for their realization using machine tools, as well as knowledge of English language will have to be demonstrated during interview.

Good time management skills and ability to prioritize are expected, together with the ability to interact with colleagues and clients.

## General information

The deadline for the submission of the application is January 31, 2024.

Applications should include a full curriculum vitae, the names and contact information (including electronic mail) of at least one person who has agreed to provide a reference.

The appointment will be a fixed-term contract of an initial duration of 12 months, renewable upon agreement by the parties. The salary will be commensurate with previous experience and qualifications of the candidate.

In accordance with the provisions of article 21 of the Italian legislative decree no. 39/2013 and in conjunction with article

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L. 19 ottobre 1999 n. 370





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53 (subsection 16ter) of Italian legislative decree no. 165/2001, employees or former employees of any Italian Public Entity who have exercised authority over Elettra Sincrotrone Trieste S.C.p.A. or have negotiated with Elettra - Sincrotrone Trieste S.C.p.A. within the last three years will be excluded from the present selection procedure. We thank all applicants in advance.

For more information, please contact Lisa Vaccari (email: [lisa.vaccari@elettra.eu](mailto:lisa.vaccari@elettra.eu)).

To apply for this position please visit the following link:

<https://www.elettra.trieste.it/it/about/careers/working-withus.html?id=3681>

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