



Elettra Sincrotrone Trieste

Junior Network and System Administrator

Deadline: 24 September 2025

Ref: IA/25/26

Background

Elettra Sincrotrone Trieste is an international multidisciplinary research center offering international users access to synchrotron and free-electron laser radiation for the characterization and processing of matter. The extremely high quality of the light sources 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 synchrotron radiation source - Elettra 2.0 - belonging to the new generation of storage rings (DLSR or Diffraction Limited Storage Ring) is being installed and will join the already operating free-electron source FERMI in the second half of 2026. The new source will exhibit a major increase in the brilliance and coherence fraction of the photon beams. The Elettra 2.0 optics is based on our enhanced symmetric six bend achromat structure (S6BA-E) with a 12-fold symmetry and an emittance of 200 pm-rad at 2.4 GeV. The new structure creates also straight sections in the arcs permitting the installation of additional insertion devices, thus increasing the number of beamlines. Existing beamlines are being upgraded and new beamlines constructed to take full advantage of the characteristics of Elettra 2.0. See <http://www.elettra.eu> for more information.

Beamline/Activity/Project description

The IT Group at Elettra Sincrotrone Trieste delivers a variety of services to support research activities at the state-of-the-art level, spanning the scientific, technical, and administrative sectors of the Company. The network infrastructure and the interactions performed by servers and clients is a key element that must be available, efficient, and reliable. The growing importance of cybersecurity poses a challenge to the entire IT infrastructure, and a robust network is fundamental to protecting the systems. Support for the IT team's system and network administrators is needed to maintain and upgrade the existing IT infrastructure, ensuring that it remains efficient, secure, and capable of delivering better and faster services to Elettra Sincrotrone Trieste.

Job description

The successful candidate will join the ICT Systems and Services team, providing support under the guidance of senior technicians. Responsibilities will include assisting users, configuring systems, and troubleshooting issues, while progressively taking on more complex tasks and addressing emerging needs.

Qualifications

A high school diploma (EQF Level 4) in IT-related subjects, or an equivalent qualification with at least one year of experience in the IT field is required, together with the following technical skills:

- Knowledge of network communication principles.
- Familiarity with major operating systems (Linux, macOS, and Windows).
- Experience with network cabling and devices.
- Understanding of virtualization fundamentals.
- Knowledge of cybersecurity basics for operating systems and networks.

Any additional experience in the IT and networking fields will be considered a plus.

Strong communication, interpersonal, and problem-solving skills are required. Relational skills should include active listening, empathy, and patience to interact successfully with non-technical users.

Good time management skills and ability to prioritize are expected, together with the ability to interact with the facility staff

Elettra - Sincrotrone Trieste S.C.p.A.

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Iscritta al Registro delle Imprese di Trieste
Società di interesse nazionale
ai sensi dell'art. 10, comma 4,
L. 19 ottobre 1999 n. 370

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and international users at all levels and to work as part of a multi-disciplinary team

Good oral and written communication skills in English (minimum level B2) and in Italian (mother tongue or C1 level) are essential.

General information

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

Applications should include full curriculum vitae, and contact information (including electronic mail) of at least two references.

The interviews could be performed through video conferencing.

The ranking of suitable candidates resulting from this selection process may be used within the following 24 months.

Employees or former employees of Elettra Sincrotrone Trieste S.C.p.A. or temporary and staff leasing employees or former employees with working experience at the company will be excluded from the present selection procedure. 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 also be excluded from the present selection procedure, in accordance with the provisions of article 21 of the Italian legislative decree no. 39/2013 and in conjunction with article 53 (subsection 16ter) of Italian legislative decree no. 165/2001.

The deadline for the submission of the application is September 24, 2025.

We thank all applicants in advance.

For more information, please contact Roberto Pugliese (email: roberto.pugliese@elettra.eu).

To apply for this position please visit the following link:

<https://www.elettra.trieste.it/it/about/careers/working-withus.html?id=4264>

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