



Elettra Sincrotrone Trieste

Civil Engineer for the Elettra 2.0 Project

Deadline: 9 December 2021

Ref: SA/21/31

Company description

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. See <http://www.elettra.eu> for more information.

Beamline/Activity/Project description

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. 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 machine is scheduled for commissioning in the second half of 2026. The construction of two new buildings and extensive modification of existing building will be necessary for the implementation and exploitation of the new source

Job description

The successful candidate will be part of the team working in the design and construction of new buildings and modifications of existing buildings as well as related appurtenances and external areas, including those necessary for the new Elettra 2.0 machine currently in the design phase.

He/she will participate and work in the management and ordinary and extraordinary maintenance of the buildings on campus (offices, laboratories, technical and/or service rooms, roads, green areas, external installations, sewerage system, etc.).

He/she will provide assistance to the Civil Engineering Team in the definition and design of new implementations as well as changes to the existing ones, with regard to technical aspects (reports, technical specifications, drawings, metric calculations, etc.) and technical/administrative aspects (tender specifications and documents, relations with institutions, etc.). He/she will also provide support to the construction supervision.

In the framework of the team, he/she will have management duties and carry out tasks that require specific preparation and professional skills, with discretionary powers and right of decision and independent initiative within the limits of the general directives given to him/her

Qualifications

A Master degree in civil engineering or building engineer is required. Italian candidates should have obtained the degree according to the Italian university system prior to the DM (Ministerial Decree) 509/1999 reform or a corresponding class 28/S specialistic degree (LS) or a corresponding master's degree (LM) belonging to classes LM-23, LM-24 and LM-26 of the new system, according to the table annexed to the Interministerial Decree of 9 July 2009, published in the Italian Official Gazette of 7 October 2009, no. 233, is required.

At least five years of significant experience in building field is requested with particular reference to the design and/or construction and/or management and/or maintenance of building works and/or infrastructures including knowledge relating to on-site safety aspects. Good knowledge of yard accounting is expected.

The enrollment in the official register of Italian professional engineers is an essential requirement.

Good oral and written communication skills in English are essential.

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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Experience and proficiency in design using CAD and in standard word processing and presentation software (Word, Excel, PowerPoint, etc.) is also required.

Good time management skills and ability to prioritize are expected, together with the ability to interact with staff at all levels and to work as part of a multi-disciplinary team.

The appointment envisioned is a fixed term contract with an initial duration of 12 months. The salary will be commensurate with previous experience and qualifications of the candidate.

Applications should include full curriculum vitae and the names and contact information (including e-mail address) of two professional references.

Due to the situation related to the COVID-19, the interviews will be performed through video conferencing.

The deadline for the submission of the application is December 9, 2021.

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, 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 Dino Zangrando (email: dino.zangrando@elettra.eu).

To apply for this position please visit the following link:

<https://www.elettra.trieste.it/it/about/careers/working-withus.html?id=2221>

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