



Elettra Sincrotrone Trieste

# Control systems technician

Deadline: 11 March 2020

Ref: IA/20/12

## 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.

## Job description

Synchrotron light sources are complex systems made by a large number of mechanical, electrical and electronic equipment. Each equipment is interfaced to the control system, which enables remote operation through computers and networks. Magnets, screens, mirrors, grids, sensors and other components are widely adopted and precise mechanical placement is mandatory. Motors, mainly stepper motors, encoders, and limit switches are widely used.

The successful candidate will join technicians and engineers to work at the installation, operation and maintenance of motion control systems. The work will be mostly on electronics, cabling and commissioning, however using software for positioning systems is foreseen. Moreover, the design and production of simple electrical and electronic equipment, such as cables, junction boxes, printed circuit boards, analog and digital boards, will be required. The successful candidate will write technical documentation, such as technical specification, drawings, wiring schema, procedures and test reports.

## Qualifications

Applicants must have a Diploma of an industrial or professional institute preferably in electrical/electronic / telecommunications.

A proven track record in the following areas is required:

- design, implementation and test of electric/electronic equipment
- laboratory electronic instrumentation (multi-meter, oscilloscope, power-supply, welding station,...)
- Mechanic/electronic CAD, such as Catia, Altium
- Office software

Advantages over the other candidates will be given by:

- previous experience working with motion control systems;
- knowledge of Galil, and Intelligent Motion System or similar products;
- knowledge of Linux;
- software development with C, C++, Python, Bash;
- knowledge of Git/Github

The successful candidate must have team-working attitude, be proactive in problem solving, react quickly to emergency and urgent troubles, and demonstrated ability to report clearly and efficiently the workflow.

Good oral and written communication skills, both in English and in Italian, are required.

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

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L. 19 ottobre 1999 n. 370





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The deadline for the submission of the application is March 11, 2020.

The appointment envisioned is a permanent position. The salary will be commensurate with previous experience and qualifications of the candidate. Applications should include a full curriculum vitae and, if available, the names and contact information (including electronic mail) of possible references.

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 Roberto Pugliese (email: [roberto.pugliese@elettra.eu](mailto: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?ref=IA%2F20%2F12>

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