

# **Automation Engineer**

**at Extreme Light Infrastructure – Nuclear Physics (ELI-NP) Research Facility**

## **Job Description and Candidate's Profile**

### **Scope of Work**

In the implementation phase, the ELI-NP automation engineer will provide technical support for ELI-NP in correlation with the technological strategy, focusing mainly on ensuring the commissioning of the infrastructure and its subsequent operation.

In the operational phase, the automation engineer will follow up and observe the maintenance plan regarding the operation at the best technical parameters of the ELI-NP installations and equipment, will ensure the operation of automation systems at the technical parameters established and will ensure the maintenance of automation systems.

### **Main responsibilities:**

In the implementation phase:

- Gaining the knowledge and experience necessary to ensure the operation of the infrastructure and of the related equipment.
- Ensuring the best and efficient collaboration and dialogue between the technical personnel and the suppliers of the respective equipment and various services;
- Ensuring the conformity of activities with the standards in the field.

In the operational phase:

- Maintaining the performances of the equipment at the desired level;
- Providing technical support for the equipment.

### **Main tasks:**

- Reading the circuit diagrams and automation software;
- Programming, testing and implementing the application software of PLC automation systems;
- Commissioning the various installations built/installed (possibly the coordination of a team of electricians);
- Checking the communication network and removing possible errors;

- Sequentially verifying the system components and properly adjusting execution equipment within the system;
- Following up and observing the preventive maintenance plan regarding the operation at the best technical parameters of the electrical installations of the machines and electrical equipment at the level of the entire infrastructure;
- Ensuring the operation of automation systems at the technical parameters established;
- Ensuring the maintenance activity on automation systems;
- Proposing solutions for improving processes;
- Participating in the performance of investment and repair works, in the AMC electrical field - automation, within the periods and at the quality standards established.

**Competencies and experience:**

- Higher education, specialization in Automation and Computers or Electrical Engineering;
- Relevant experience in a similar position - minimum 3 years;
- Basic knowledge of power and automation circuit diagrams; safety systems;
- Basic knowledge of circuit diagram execution - EPlan;
- Knowledge in using programmable logic controllers (PLC);
- Knowledge of communication protocols;
- Experience in industrial automation and HVAC;
- Fluency in Romanian and English;
- Proven teamwork experience and efficient communication and collaboration skills.

**Conditions of employment:**

- Full-time position based in Bucharest–Magurele, Romania, for a period of 2 years, extendable (including for indefinite period);
- Motivating salary depending on qualifications and experience.

**Applications:**

- Applications must be accompanied by the documents requested in the Rules of Selection for this position.
- Applications shall be sent to the Human Resources Department at [human.resources@elinp.ro](mailto:human.resources@elinp.ro).