

ELI-HU Non-Profit Limited Liability Company is announcing job opening in

## **Electric Engineer** position in Engineering and Integration Division

### **Job Background**

The first civilian large-scale research facility based on high-power lasers, the Extreme Light Infrastructure (ELI), is to be constructed with international cooperation at three locations with a coordinated management and research strategy. The Attosecond Light Pulse Source (ALPS) research centre in the final stages of construction in Szeged, Hungary will be devoted to study electron dynamics on the femto-, attosecond scale in atoms, molecules, plasmas and biological samples.

The primary mission of the ELI-ALPS research facility in Szeged is to make a wide range of ultrafast light sources accessible to users of the international scientific community, with special consideration to coherent extreme-ultraviolet (XUV) and X-ray radiation, and to attosecond pulses. The secondary mission of the facility is to contribute to the scientific and technological development towards high average power high peak intensity lasers.

ELI-HU Research and Development Non-Profit Ltd. coordinates the preparation, construction and operation of ELI-ALPS, an international laser research center.

### **Job Description**

The successful candidate will have a Master's or Bsc. degree in Power Electrical Engineering or be able to demonstrate the equivalent professional experience. (S)he should have a minimum of three years working experience. Previous work experience in large experimental physics institutes or in the field of electrical construction or maintenance is desirable but not essential.

Advanced skills in designing of control systems with EPLAN Electric P8 design software

The ideal candidate showing self-motivation and independent problem solving skills will be expected to work in team, closely interact with other research and technical divisions in-house, cooperate with product vendors, and collaborate with teams of international scientists. This position requires working within production deadlines. English language, communication and interpersonal skills are a prerequisite.

### **Non-essential but preferred experiences**

- Software development skills
- Experience in PLC and/or microcontroller programming

- Vacuum background
- Scientific background
- Electrical designer entitlement (EN-VI)
- Legal construction manager entitlement (MV-VV)

### **ELI-ALPS offers**

- cutting-edge and unique infrastructure
- an opportunity to participate in the implementation of novel cutting-edge research
- an international team of scientists and engineers with a really diverse background
- unprecedented challenges
- a competitive salary
- attractive fringe benefits
- a pleasant working environment in a brand new infrastructure

If you are interested in the position, please fill in our Career Site with your professional data at <http://www.eli-alps.hu/career/>.

Europass format would be appreciated (CV, motivation letter) but not obligatory.

### **Further Information**



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3D Animation



Construction Site Video