

Do you want to power the energy transition?

Are you a team player; ready, able and willing to take on varied and complex challenges?

As one of the most innovative and fast-growing companies in the Netherlands, Elestor offers exciting and competitive career opportunities with plenty of scope for both personal and professional development. Elestor has a job opportunity for a:

Senior Electrical & Automation Engineer (Hardware)

32-40 hours per week
Arnhem, The Netherlands

Position

As Senior Electrical & Automation Engineer Hardware, you take part in the design, development, testing, maintenance, manufacturing and commissioning of complete electrical and automation systems used within the Elestor Hydrogen-Bromine flow batteries. You effectively interact with multidisciplinary engineering groups, software engineers, R&D, notified bodies, suppliers and contractors to formulate and implement designs, in support of the complete product development cycle. You report to the Team Leader E&A.

Profile

You show interest and practical knowledge in a broad range of fields of electrical engineering. You have proven skills, and experience with designing and integrating power conversion systems, electrical & instrumentation systems and automation platforms according to applicable safety / industry standards. You have strong communication and collaboration skills and are able to interact efficiently with scientists and engineers of various disciplines (software, mechanical, chemical etc.), as well as with suppliers and consultants. You are excellent in stress and time management and are able to keep working in a safe and structured way, while under pressure to meet deadlines and cost targets. You have a

continuous desire to improve the state-of-the-art and demonstrate a hands-on approach to your work.

Tasks and responsibilities

- Collect system specifications and translate them into a safe, functional, certifiable, cost effective, complete electrical installation
- Provide insightful feedback to the multidisciplinary design team for further improving the system architecture, specification and functionality
- Efficiently make use of internal and outsourced design & production resources
- Work together with software engineers to achieve required levels of system integrity, safety and functionality
- Interface with suppliers, contractors, notified bodies, manufacturing
- Review of engineering documentation. Responsible for electrical, commissioning, testing, documentation / maintenance manuals and procedures
- Take a leading role in the commissioning, validation, certification and deployment stages of installations
- Fault analyses and troubleshooting: identify and implement optimal solutions and share knowledge with related departments
- Implement constant improvement techniques

Education, skills and experience

- 8+ years experience with electrical and automation systems in an industrial environment
- MSc / BSc in Power Engineering, Electrical engineering, or similar
- Working knowledge of best practices and applicable industry standards in the fields of: Low voltage directive, Design of low voltage electrical installations, Electrical safety, Functional safety of programmable / instrumentation systems, Safety Integrity Level, Machinery directive, ATEX directive, Electro-Magnetic Compatibility
- Proven experience with design of electrical, automation and instrumentation systems in ATEX environments, with safety / reliability requirements (SIL)
- Familiarity with the Siemens PLC automation platform (ex: TIA Portal, ET 200SP, HMI)
- Proven experience with design of low voltage power distribution networks
- Interest in (grid) integration and control of power conversion systems
- Ability to optimally select electrical equipment, cabling, etc. according to applicable rules and regulations
- Proven ability to deploy creative, innovative solutions
- Strong communication skills in interdisciplinary teams and projects
- Hands-on, can-do mentality



- Fluent in written and spoken English
- Intrinsically motivated, not afraid of making mistakes

Our offer

Elestor offers an open, action-oriented and exciting working environment in a diverse and international team of highly skilled professionals. We have a flat management structure and offer many opportunities to excel and grow for the right candidates. Terms of employment are competitive and include participation in a Stock Appreciation Rights (SAR) program.

About Elestor

Elestor has been recognised as 1 of the 10 most innovative companies in the Netherlands by both the University of Amsterdam and the Dutch Chamber of Commerce. We are about to embark on an ultra-rapid growth path, fueled by multi-million euro investments as well as by agreements with clients strategically adopting our innovative storage technology in commercial settings.

Elestor's revolutionary low-cost flow battery systems have received several national and international awards in recognition of our ability to reduce the cost of storing electricity to an absolute minimum. Our batteries are made in accordance with a triple cost reduction strategy, using low cost and abundant active materials (hydrogen and bromine), a compact and easy to manufacture cell, and a patented pressurized system design.

Elestor has the technology to play a decisive role in realizing the energy transition towards a 100% clean electricity supply. The international market pull for Elestor's technology is concrete and very fast growing. Elestor's ambition is to build the Gigafactory equivalent for flow batteries.

Elestor is an equal opportunities employer: We believe diversity aids creativity and innovation, so whatever your race, colour, nationality, national or ethnic origin, sex, gender, marital status, religion, age, sexual orientation or disability, you are welcome to join our ranks. We actively promote inclusion and we abhor discrimination. We treat all our employees, contractors, workers, job applicants, suppliers, clients and everyone else with respect.

How to apply

To apply for this position, please send your application with CV and motivation letter to hrm@elestor.nl