



## 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 System Design Engineer

32-40 hours per week  
Arnhem, The Netherlands

#### Position

As Senior System Design Engineer you take on the major challenges in the design and engineering of Elestor's large scale flow battery installations. You will be responsible for leading major design projects for external clients, shape the company's internal design and engineering standards and help develop a fast-growing team of professionals. You report to the Team Leader System Engineering.

#### Profile

The ideal candidate has a broad background in engineering and operation of large chemical process installations. You bring extensive project experience from a project or process engineering perspective. You have deep knowledge about systems that are closely related to Elestor's flow battery technology, for example industry scale fuel cell or electrolyser systems, process installations with hydrogen or hazardous substances, or engineering, industrial automation & operation of large (petro-)chemical assets.

You have strong engineering skills and are able to work with scientists and engineers of various disciplines. 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.

### Tasks and responsibilities

- Excel as lead engineer for large and major projects, acting as representative on behalf of Elestor in project steering team together with project manager
- Responsible for development of process and safety system design solutions, from basic concept through to detailed design and regulatory acceptance, until commissioning & start-up of installations
- Apply systems engineering and process design techniques to develop robust solutions that meet project requirements and company technology development targets
- Act as Deputy team leader, being a coach and role model for team members, supporting with onboarding of new (junior) colleagues.
- Responsible for quality and safety of operational procedures for acceptance testing, commissioning and maintenance. Develop a long-term vision about use of procedures, embedding continuous improvement and learning from incidents best practices.
- Participate in safety studies as (lead) team member, actively contributing to implementing best practices and improved safety standards across various projects
- Review technical documents and drawings (specification and design documents, process flow scheme and P&ID's, 3D-model review)
- **Special Assignment:** opportunity to lead a unique and exciting project to define, design, built and install new R&D test- and prototype installations. As onboarding you will support a revamp of existing installations to enable next generation stack testing. Subsequently you will lead the design, engineering and delivery of Elestor's new world-class R&D lab- and test facility infrastructure (greenfield project).

### Education, skills and experience

- MSc. in Chemical Engineering, Mechanical Engineering or equivalent
- 10+ years of relevant (industry) work experience
- Expertise in resolving technical challenges and design problems
- Deep knowledge about design & engineering of large-scale process installations with hazardous chemicals
- Demonstrated experience with (leading) safety studies (HAZOP, SIL, LOPA)
- Demonstrated experience of commissioning and start-up of process installations
- Knowledge of implementation and quality review of safety critical operational procedures



- Sound project management skills; able to lead the design and engineering scope for large scale internal and external projects with multiple stakeholders, and challenging budget & time constraints
- Proven record of personal safety and process safety leadership
- Knowledge and/or experience considered an asset:
  - Relevant work experience in the field of flow batteries, PEM electrolyzers or fuel cell technology
  - Sound understanding of process instrumentation, control & automation
  - Experience working with hydrogen and toxic chemicals
  - Relevant work experience in the field of process installations for R&D scale
  - International experience
- Strong communication skills with scientists/engineers of various disciplines.
- Ability to keep working in a safe and structured way while under pressure to meet deadlines
- An entrepreneurial mindset
- Fluent in English

## 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](mailto:hrm@elestor.nl)