



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:

Sr. System R&D Engineer

32-40 hours per week
Arnhem, The Netherlands

Position

As Sr. System R&D Engineer you are the centerpiece within Elestor for development of our large-scale R&D test facilities. As linking pin between R&D and System Engineering, you translate front end scientific knowledge into working demonstration installations to validate new technology. You will be responsible to coordinate maintenance and continuous improvement of the existing large-scale test facilities and are involved in the test programs. You report to the Team Leader System Engineering.

Profile

The ideal candidate has proven skills, knowledge of and experience with design, construction, installation and testing of prototype and test installations for R&D purposes. The role requires strong engineering and project management skills but above all curiosity. For an experienced engineer with hands-on mentality and good all-round technical skills this can be a perfect fit. You will use both your hands and brains.

You have strong communication skills 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

- Define, design, built and install new flow batteries and R&D test process installations
- Supervise operations and maintenance of (existing) R&D large-scale test installations, including change management of upgrades
- Excel as Sr. project engineer for the MELODY project (major EU funded multi-year project part of Horizon 2020 program 'Advanced Redox Flow Batteries for stationary energy storage').
- Participate in R&D test programs where large-scale installations are used
- Support R&D team with development and continuous improvement of R&D test stands (small scale lab test facilities)
- Act as linking pin between R&D team and Systems team. Active contribution to delivery of R&D road map, incl. front end development of required test facilities.
- Prepare and review process and instrumentation diagrams and technical drawings
- Participate in safety studies as key technical resource for R&D installations

Education, skills and experience

- MSc or BSc in Mechanical Engineering or Chemical Engineering
- 8+ years of relevant (R&D) work experience, with proven creativity and ability to innovate
- Expertise in resolving technical challenges and design problems
- Proven knowledge in design & engineering of pilot plants or prototype process systems
- Demonstrated experience of commissioning and start-up of process installations
- Good project management skills; able to lead medium scale internal projects with multiple stakeholders and challenging budget & time deadlines; deliver quality project engineering in large external projects
- Knowledge and/or experience considered an asset:
 - Relevant work experience in the field of process installations for R&D scale
 - Experience working with toxic chemicals
 - Experience working with hydrogen or industrial gases
 - Relevant work experience in the field of flow batteries, PEM electrolysers or fuel cell technology
 - Knowledge of polymer materials for piping systems and storage systems
 - Experience with process instrumentation (flow, temperature & pressure sensing, gas detection, valve automation)
 - Sound understanding of process control & automation
 - Experience in modelling physical systems using hand calculations, CFD, multiphase process modelling, flow sheeting software (Aspen+, DWSIM)



- Experience in 3D CAD modelling (SolidWorks)
- 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