

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:

Stack Test Engineer

32-40 hours per week
Arnhem, The Netherlands

Position

As Stack Test Engineer, you work on the tests and evaluation of a new generation flow battery power module, the Elestor stack, on component, cell and stack level. You will perform electrochemical tests on cells and stacks and are able to understand and analyze the results. Besides electrochemical cell and stack testing, also more specific material, functionality and durability tests on component and cell level will be performed by you. You are able to troubleshoot when issues occur during the tests and you will be in close contact with stack engineers and system engineers for the test plans and the development of the test stands. You report to the Team Leader Stack Engineering.

Profile

The ideal candidate has proven skills, knowledge of and experience with the testing and assembly of innovative multi-disciplinary hardware. You are precise, have excellent testing skills, combined with a high level of creativity and a drive. You have a working knowledge of mechanical / chemical engineering and are willing to learn about electrochemistry.

You have strong communication skills with scientists and engineers of various disciplines internally, as well as with suppliers. You are excellent in stress and time management and are able to keep working in a safe and structured way.

Tasks and responsibilities

- Validation testing of the Elestor stack on component, cell and stack level.
- Execution of internal and external stack test from test plan to test report.
- Participate in test stand development to be able to perform the tests which are required (test stand design, safety assessments (FMEA, HAZOP) and test stand production).
- Cooperate with other test engineers and interact with engineering and R&D.
- Reporting test results and drafting conclusions.
- Preparation of test materials, like proto components and cells.
- Troubleshooting of issues during tests.

Education, skills and experience

- MSc or BSc in Mechanical, Mechatronic or Process Engineering
- 3+ years of work experience in a similar position
- Hands-on mentality
- Expertise in resolving technical challenges
 - Systematic test approach and
 - Proven creativity in resolving design problems
 - Knowledgeable in engineering polymers and elastomers
- Excellent analytical and data analysis skills
- Knowledge or experience which is an asset:
 - Relevant work experience in the field of flow batteries, PEM electrolyzers or fuel cell technology
 - 3D CAD modelling (Solidworks)
 - Experience with hydrogen and/or acids and working in laboratories.
 - Electrochemical material science
- 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
- Fluency 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