



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:

Electrode Research Engineer

32-40 hours per week
Arnhem, The Netherlands

Position

As Electrode Research Engineer, you work on the development of the anode and cathode side of the cells of the redox flow battery. This involves electrode structures, materials and coatings, but also the interaction with the bipolar plates, flow fields and membrane. You will be the spider in the web, interacting with the R&D team, test engineers and your team members of the Stack Engineering department. You report to the Team Leader Stack Engineering.

Profile

The ideal candidate has proven skills, knowledge of and experience with the design and development of gas and liquid electrodes of the flow battery. You have a high level of creativity and a drive and a working knowledge of chemical, electrochemical and material engineering.

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, while under pressure to meet deadlines and cost targets.



Tasks and responsibilities

- Design and develop the gas and liquid electrodes of the flow battery.
- Define and support stack electrode testing to ensure that the required performance, cost and durability targets are achieved.
- Optimize electrode and flow field interaction in the cell.
- Optimize electrode setup for controllable and repeatable performance.
- Negotiate with (key) suppliers on design, requirements and manufacturability
- Lead or participate in performance improvement and cost reduction projects

Education, skills and experience

- MSc Material Science & Engineering or MSc Chemical Engineering
- 5+ years of relevant work experience in flow battery, electrolyser or fuel cell technology
- Excellent analytical and data analysis skills
- Knowledge of production processes and quality control
- Knowledge or experience which is an asset:
 - Electrochemical material science
 - Simulation software: FEA, CFD
 - Basic project management expertise
 - 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
- 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