



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:

Electrocatalysis Chemist

32-40 hours per week
Arnhem, The Netherlands

Position

As Electrocatalysis Chemist you become the expert in hydrogen oxidation-evolution (HOR/HER) catalyst materials. The main responsibility is to develop the catalyst in-house under predefined performance & cost targets. The daily activities consist of reviewing literatures, fabricate catalysts, and characterizing them in terms of electrochemical activities and durability. The activities outputs should also lead to IP generation.

You are a member of the R&D Team and report to the Team Leader R&D.

Profile

The ideal candidate has proven skills, knowledge of, and experience with the design of complex electro-catalyst chemistry. You are innovative, a creative out-of-the-box thinker, a pro-active scientist, and a typical self-starter. You can initiate, introduce and implement creative and innovative electrochemical solutions.

For tranfering the catalyst idea into product, you have strong communication skills with both scientists and engineers of various disciplines internally, as well as with suppliers. You are excellent in stress and time management and can keep working in a safe and structured way, while under pressure to meet deadlines and cost targets.

Tasks and responsibilities

- Develop HOR/HER catalyst powder for the Elestor's flow battery technology, under predefined performance & cost targets
 - Durable under the material corrosion test
 - Compareable electrochemical activity to the baseline
 - Improving their stability
- Build the knowledge & team in the Elestor electrochemistry
- Generate intellectual properties related to the catalyst technology
- Write project/ research proposal internally and with external parties
- Management of suppliers and outsource R&D

Education, skills and experience (in order of relevance)

- 5 years experience with electrochemical systems
- Prior knowledge of fabricating or synthesizing HOR/HER catalyst powder (Platinum alloy on carbon support) is a must
- MSc or PhD degree
- Experience in catalyst manufacturing chemistry
- Proven ability to introduce and implement creative, innovative solutions
- Proven ability to challenge the *status quo* and ask the right questions
- Strong communication skills in interdisciplinary teams and projects
- Hands-on, can-do mentality
- Fluent in English
- Experience with generating intellectual property
- Relevant networks in the supply chain, universities, research institutes
- Experience in corrosion science is an advantage
- Experience with working in an international company or international experience
- An entrepreneurial mindset

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