



# Electrocatalysis Chemist

32-40 hours per week  
Arnhem, The Netherlands

**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



## **Elestor's Mission & Relevance**

*Imagine a world without polluting power plants, powered purely by clean electricity.*

This world is closer than you think. The sun and the wind are powerful enough, and so are the technologies to harvest their energy. However, possibilities to store renewable energy (sustainably, cost-effectively) are lacking; Long-Duration Electricity Storage (LDES) is “the missing link” in the energy transition.

It is Elestor’s mission to cut the cost of electricity storage. We develop large-scale, cost-effective HBr storage technologies that are carbon neutral and durable, thereby unifying the interests of the planet, people, and business profitability.

## Elestor - Facts & Figures

### Long Duration Electricity Storage deep tech company

- Winner of several (inter-)national awards

### Ultra rapid growth path; Elestor is expanding in every direction

- Passionate team of 35 highly skilled professionals with the ambition to increase towards 100 fte within two years
- Closed €30M funding round in August 2022

### Concrete and very fast-growing international market pull

- Agreements with clients strategically adopting the innovative storage technology in commercial settings

## Technology & Roadmap

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. Our revolutionary low-cost flow battery systems have received several (inter)national awards in recognition of our ability to reduce the cost of storing electricity to an absolute minimum. For more understanding, feel free to visit our [website](#). Here we'll explain more about the underlying fundamentals and the triple cost reduction strategy, making Elestor's solution unique on the world stage.

Elestor is backed by a €30 million investment and is now ready to implement an ultra-rapid growth strategy to accelerate the commercialisation and operationalization of its proven hydrogen bromine flow battery technology. The segment is expected to represent a market potential of approximately €20 billion by 2025. The international market pull is already concrete and very fast growing!

## People & Growth

At Elestor you will be in the middle of genuinely unprecedented developments, made possible by an international group of researchers and engineers of remarkable talent and diversity. In future years, the company will expand literally in every direction. In anticipation of this steep growth, Elestor will look forward to meeting sincere, thoughtful, and entrepreneurial individuals feeling energized to empower necessary change: towards a 100% clean electricity supply.

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.

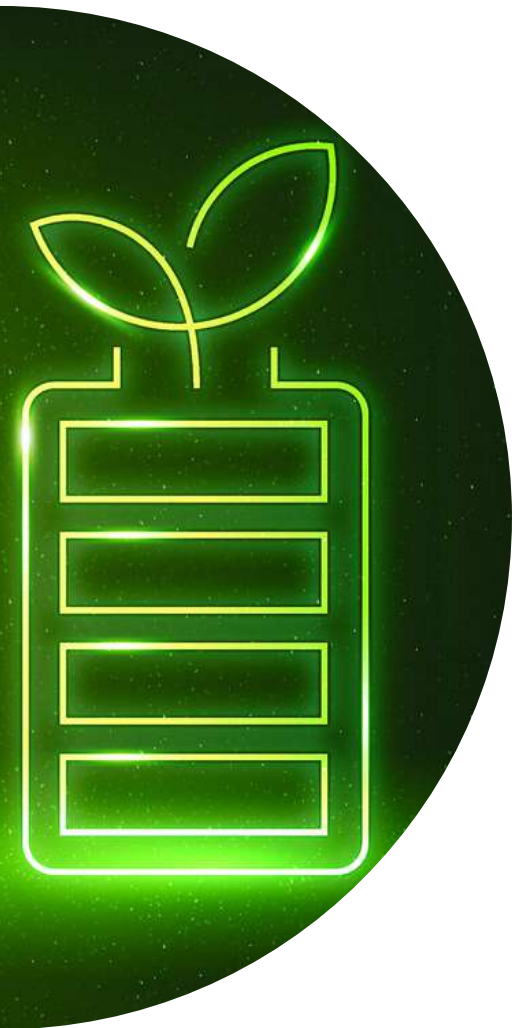
## Position

As Electrocatalysis Chemist, you become an expert in hydrogen oxidation-evolution (HOR/HER) catalyst materials. The primary responsibility is to develop the catalyst in-house under predefined performance & cost targets. The daily activities consist of reviewing the literature, fabricating 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 of R&D.

## Tasks and responsibilities

- Develop HOR/HER catalyst powder for Elestor's flow battery technology under predefined performance & cost targets
- Durable under the material corrosion test
- Comparable 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 outsourcing R&D





## Position

The ideal candidate has proven skills, knowledge, and experience designing 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 challenge the status quo and initiate, introduce and implement creative and innovative electrochemical solutions.

For transferring the catalyst idea into a product, you have strong communication skills with scientists and engineers of various disciplines internally and externally (e.g., suppliers). In addition, 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.

## Education, skills and experience

- MSc or PhD degree
- Five years of experience with electrochemical systems
- Prior knowledge of fabricating or synthesizing HOR/HER catalyst powder (platinum alloy on carbon support) is a must
- Experience in catalyst manufacturing chemistry
- Experience with generating intellectual property
- Relevant networks in the supply chain, universities, and research institutes
- Experience in corrosion science is an advantage
- International experience or experience working in a global company
- An entrepreneurial mindset
- Fluent in written and spoken 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.

Terms of employment are competitive and include participation in a Stock Appreciation Rights (SAR) program. When we succeed, we all benefit. Especially in caring for what we share the most: a healthy planet.

## 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)



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