

Are you looking for an exciting job, full of challenges? And would you like to work for one of the most innovative companies in the Netherlands? Elestor has a job opportunity for a:

## Mechanical Engineer Stack Design

As *Mechanical Engineer - Stack Design*, you play an important role in the R&D of Elestor's pressurized Hydrogen Bromine flow battery stacks.

### Responsibilities:

- Design and develop flow battery components, e.g. sealings, pressurized housings and internal cell components
- Support stack testing to ensure that the stack components achieve the required performance, cost and durability
- Operation of test stations for flow battery stacks
  - Design of experiments and test protocols
  - Writing test reports
  - Troubleshooting
- Preparing and reviewing of technical drawings
- Negotiate with (key) suppliers on design, requirements, manufacturability and cost

### Requirements:

- Bachelor's degree in Mechanical Engineering or higher
- At minimum 5 years working experience
- Expertise in resolving technical challenges
  - Proven creativity in resolving design problems
  - Knowledgeable in engineering polymers and elastomers
- Experience in Autodesk or similar CAD software
- Excellent analytical and data analysis skills
- Knowledge of production processes and quality control
- Knowledge or experience which is an asset:
  - Flow battery, electrolyser or fuel cell technology
  - Injection moulding, transfer moulding, mould design
  - Mechanical prototyping skills with tools such as:
    - CNC machining



- Laser cutting
- 3D printing
- Problem solving tools: RCA, FMEA, TRIZ
- 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

### **We offer:**

Elestor offers a positive, R&D focused working environment with many opportunities to improve your skills. We offer competitive terms of employment and a professional and exciting atmosphere in a company which has the technology to play a decisive role in realizing the energy transition towards a 100% clean electricity supply.

### **About Elestor**

Elestor develops a revolutionary low-cost flow battery, thereby reducing the costs for storing electricity to an absolute minimum. To realize this, low cost and abundant active materials (hydrogen and bromine) are used, as well as a compact and easy to manufacture cell, and a (patented) pressurized system design. This triple cost reduction strategy results in the lowest possible cost for storing electricity.

Since 2015, several storage systems have been operational in the Elestor laboratories in Arnhem, the Netherlands, and the first test & evaluation systems are operational in the field. In parallel, a fast growing and enthusiastic team is working hard on maturing this technology in anticipation of the commercial launch of larger storage systems in 2020.

### **Want to know more ?**

Are you creative? Are you passionate about sustainable energy? Do you have the right pioneering mindset to work in a start-up company? Then we want to talk to you!

Please send your application with motivational letter and resume to [info@elestor.nl](mailto:info@elestor.nl)