

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, potentially playing a decisive role in the global energy transition ? Elestor has a job opportunity for a:

Process Engineer

32-40 hours/week
Arnhem, The Netherlands

Position

As process engineer you are responsible for addressing larger process related subjects. As member of the System Design team, you will form the bridge between our team and R&D, translating stack test parameters to the system design. This involves the preparation of process flow diagrams, design and selection of components, such as filters, separators, valves and pumps, and mass and heat balance of the system. You initiate material compatibility investigations and find solutions to optimize system safety. You report to the Team Leader System Design.

Tasks and responsibilities

- Process calculations for mass and heat balance
- Find optimum working/design pressures and temperatures
- Making PFD, P&ID, equipment list, line/valve list
- Designing, compliant according to Pressure Equipment Directive (PED, ASME), explosive gases directive (ATEX) and machinery directive.
- Interaction with suppliers and contractors on technical level
- Overlook material compatibility tests in-house or at our suppliers/contractor

Profile

The ideal candidate has proven skills in Process Engineering and is creative, pro-active and an innovative thinker. You have strong communication skills and are able to communicate well with scientists and engineers of various disciplines internally. You are able to keep working in a safe and structured way.

Education, skills and experience

- BSc or MSc in Process Engineering



- > 3 years of industry experience
- Innovative thinker, proven research experience
- Experienced in setting up and maintaining product documentation: PFD, P&ID, equipment list, line/valve list
- Experience with stress analysis, both hand calculations and FEA
- Knowledge of the standards for the design and fabrication of pressure equipment (PED, ASME), explosive gasses (ATEX) and machinery directive. Able to check regulations compliance
- Able to interact efficiently with suppliers and contractors
- Able to make 3D model, experience of designing and delivering static equipment packages and skids
- Hands-on, can-do mentality
- Fluent in English
- An entrepreneurial mind set

Our offer

Elestor offers an open, action-oriented and exciting working environment in a diverse and international team of highly skilled professionals, with - for the right candidates - many opportunities to excel and grow. Terms of employment are competitive and include participation in an Employee Stock Option Plan (ESOP), based on an employment for unlimited duration.

About Elestor

Recognized with several national and international awards, Elestor is a fast-growing company, developing 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 selected 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 2016, several pilots on limited scale have been successfully operational in the field, and the first systems on actual container scale are currently built, in anticipation of commercial launch in 2021.

Elestor has the technology to play a decisive role in realizing the energy transition towards a 100% clean electricity supply. The market pull for Elestor's technology is concrete and growing very fast, and launching customers have already been identified. Once commercially launched, Elestor envisions building a 'Giga factory' scale equivalent for flow batteries.

Elestor is well funded for growth with a recent multi-million investment from Koolen Industries, along with a significant additional investment from InnoEnergy, one of the early investors of Elestor.

How to apply



To apply for this position, please send your application with CV and motivation letter to info@elestor.nl