

Hands-on Technical Engineer

A technical challenging position on design, manufacturing and testing to bring a new Ceramic Fuel Cell concept to the market.

Circonica Circular Energy is an innovative company that has developed a unique Ceramic Fuel Cell solution based on the HELP (Hollow Electrode Loose Plates) concept. The beauty of this energy cell is its reversibility, meaning that it is applicable both as a flexible multi-fuel fuel cell as well as an electrolyzer. Moreover, this cell is suitable for small-scale to large-scale applications; 'from penlight to power plant'. This offers a solution for energy challenges of various markets, for example in stationary applications like a micro-CHP and power generator for the cable market, or in mobile applications for automotive, road transport, shipping and aviation.

After a successful development phase, Circonica wants to further scale up the organization to conduct field tests and develop production capacity. In this context we are looking for one a '**hands-on technical engineer**' with the following profile:

- HBO - Applied sciences (Mechanical Engineering)
- Location - 80 % @ Leiden, 20 % @ Groningen
- List of tasks;
 - Develop SOFC components, test setups and product configurations
 - Balance of plant
 - System integration
 - BOP - Stack, Compressors, Heat Exchanger, Mechanical load testing, Heater components
 - Designing components;
 - Drawing - Fusion360, Autodesk
 - Design calculations
 - Field Test set-up and execution
 - Hands on assembly experience
 - Development of electronic
 - Test and analyze performance designed stacks and components
 - Analyse and report performances
 - Assembly and manufacturability
- Personally;
 - Self motivated person
 - Hands-on mentality
 - Team Player, Collaborating mindset
 - Problem solver (Think outside the box)
 - Bilingual (Dutch, English)
 - Willingness to travel based on tasks



If you match this profile, and if you want to be part of an innovative and growing organization with the ambition to make a serious impact in the energy transition, then please don't hesitate and contact us on info@circonica.com