



## Plasma Physicist

VitalFluid is a young dynamic company specialized in the field of Plasma Activated Water (PAW). PAW is a relatively new phenomenon and is produced only by making use of water, air and electricity. The properties of PAW can be used in agriculture, medical applications and water purification. VitalFluid focusses on the development and commercialization PAW technology for the treatment of seeds and for sustainable crop protection.

VitalFluid is looking for a plasma physicist to strengthen our R&D team. Do you want to be at the center of upscaling, improvement and implementation of our green PAW technology? Combine your passion for process technology and proactive attitude and join our team!

**Location:** Eindhoven/Veldhoven

## Tasks

- Plasma characterization;
- Upscaling and improvement of the PAW activation process;
- Development of innovative reactor designs for testing purposes;
- Optimization of the water gas interface to improve transfer from gas to liquid phase;
- Analytical measurements of components in PAW and plasma activated air;
- Development of prototypes and execution of tests;
- Convert developed prototypes into a production ready concept;
- Maintain contact with cooperating universities and partner companies.

## Job Requirements

- Master degree in physical engineering;
- Knowledge and experience with atmospheric plasmas;
- Starters and candidates with experience are invited to apply.

## Your competences

- Working proactive in a small dynamic R&D oriented company;
- Creative and innovative in designing solutions;
- Able to work outside comfort zone and area of expertise;
- Keep on track with technology developments that might impact the competitiveness of VitalFluid.

## What we offer

VitalFluid offers an exciting opportunity to contribute to new sustainable technologies that will make our world better. We offer a competitive package of conditions, a good salary and a great company culture. You also can develop yourself along with our growing organization.

- A challenging function and an informal working setting;
- The opportunity to develop yourself and your competencies;
- Working on a game changing technology with a massive impact on sustainable agriculture.

## Sounds interesting?

For more information, contact Paul Leenders (+31 (0)6 10 499 081). Would you prefer to apply directly? Send your CV and application letter to [paul.leenders@vitalfluid.nl](mailto:paul.leenders@vitalfluid.nl). You will receive a response within a few business days. Reference checking and a personal assessment may be part of the application procedure.