

# Electrical Engineer Vacancy

*Are you the linking pin in bringing our revolutionary technology to the next level?*

VSPARTICLE (VSP) is a fast growing nanotechnology company, that is on a mission to change the world of material development. For the development of clean energy millions of new materials need to be investigated. VSP develops new technology to unlock and accelerate the discovery of novel materials with advanced properties, that can contribute to solve the world's biggest challenges. VSP's pilot production lines will demonstrate the potential of our technology for various applications, including next generation sensors, batteries and fuel cells.

We are looking for an Electrical Engineer who will strengthen our R&D team. Together with your team you will work on upscaling this revolutionary technology to industrial scale.

## **Your job with us**

As an Electrical engineer you will take the lead in all electrical engineering tasks. You will be responsible for drawing up technical requirements, creating new design, development, testing and manufacturing specifications of the electrical system of our pilot lines. The pilot line includes nanoparticle generation via Spark discharge, a nanoparticle 3D print process and a substrate handling system. You will be the technical expert on electronics and will work closely with the application- and software development teams. Your developed solution will be used in our pilot production systems and will result in recommendations for the future industrial production systems.

## **Your responsibilities**

- Design and development of the electrical systems for the pilot lines
- Provide insight into technical requirements for the electronics/control part of the machine based on the system specifications
- Responsible for the selection of methods and procedures, performance and quality of the work, and optimization of the design within the scope of the project specifications
- Technical responsibility for the design, procurement and manufacturing of the electrical system and managing any sub-suppliers
- Ensure the design and installation of equipment is in compliance with international and industry standards and regulations
- Prepare technical documentation, test and inspection plans and reports
- Provide support during factory tests (FAT) in house or at the customer

## **Your professional qualities**

- You have a B.Sc. or M.Sc. degree in Electrical Engineering or similar, with at least 3 years of experience in a similar project environment
- You are familiar with power systems at kV levels
- You can apply practical and theoretical experience with power distribution, PCB design, EMI, control systems and electronics manufacturing.
- You are familiar with international safety standards and product certification
- Good command of English is mandatory
- Excellent technical writing and communications skills
- Working in a start-up company requires you to be:
  - Flexible and creative
  - Proactive, persuasive and a go-getter
  - Willing to pick up things outside the scope of your own work
  - Not afraid to bear responsibility

## **What do we offer**

As an employee at VSParticle, you will have the opportunity to grow within a fast-growing organization and to develop innovative technologies that contribute to exciting renewable projects. We offer you a full-time position in an informal, professional and international work environment, a competitive salary, participation in Employer pension scheme, 30 vacation days in addition to public holidays , social

events, company lunch and the flexibility to balance working from home and working on location in Delft. You will work in a diverse and multidisciplinary team with motivated colleagues, professional space for creativity and initiative and short communication lines.

### **About VSPARTICLE**

VSPARTICLE is a Dutch nanotechnology company that provides universities and industry with the tools to manufacture nanoparticles and nanostructured materials, and supports industry with applications development. Since 2014, the company helps scientists and industry leaders to drastically reduce the development time of new materials and products, by making it as easy as pushing a button. VSPARTICLE is a privately funded company backed by investors who recognize the huge potential of nanomaterials, especially for applications in catalysis, semiconductors, sensors, healthcare, batteries, fuel cells and photovoltaics. The company currently employs 25 people at its headquarters in Delft and has an international distribution network in the USA, Europe and Asia. At VSP all qualified individuals will receive consideration for employment without regard to race, religion, colour, gender, sexual orientation, age, marital status or (dis)ability.

### **Interested?**

Please, send your resume and motivation letter to [hr@vsparticle.com](mailto:hr@vsparticle.com) before February 7th, 2022. If you have any questions, you can contact our HR manager, Astrid van Doorn 088-3080416

Unfortunately, we can only consider applicants from within the European Union, because of the visa restrictions.

*Please do not contact us for any sales related purposes based on this vacancy*