

Electronics Engineer

Team player with a passion for sustainable automotive & electronic designs

What are your main tasks and responsibilities as an Electronics Engineer?

As an Electronics Engineer you participate in the development of both in-wheel motor technology and associated inverter technology. You will be a member of the electronics department and you will contribute to the design, validation and testing of functional safe hardware (inverter technology, power electronics, DSP, analog and digital circuits) and software. e-Traction conforms to the Automotive APQP product development process and uses tools such as MATLAB Simulink and Altium Designer. You will work with colleagues from various disciplines and with suppliers in a multi-disciplinary environment.

We design drive-lines in excess of 10kNm, with hundreds of kilowatts. Controlling these kinds of powers require high power inverters. Harnessing these powers efficiently and safely is our continuous challenge. If a thousand ampere or volts excite you, this is your job. The future of mobility is electric; and with this position you will develop into an experienced automotive electronics engineer, with a skill-set ready for the future!

Main task and responsibilities are:

- Design, develop and test electronic circuits;
- Stay up-to-date with the latest developments and innovations;
- Create architecture designs and execute studies on new systems;
- Learn to design in line with legal, safety and customer requirements;
- Write and maintain requirements;
- Design according to the V-model;
- Create documentation for designs.

What do we expect from you?

- MS or BS (HBO/Tu) level in Electronics Engineering or related field
- Affinity with automotive and power electronics;
- Practical experience in the design, development and testing of printed circuit boards (PCBs), preferably using Altium Designer;
- Experience in MATLAB/Simulink and C programming skills is a plus;
- Analytical approach to problem-solving;
- Pro-active, team player, hands-on mentality;
- Good skills in process- and documentation management and reporting;
- Good communication skills in English, both verbal and in writing, and Dutch is a plus;
- We are looking for candidates who already have a residence permit and are allowed to work in Holland.

What do we offer you?

Reinvent The Wheel! A unique opportunity to make a personal contribution to the future of our planet. Work on our sustainable e-mobility solution in an ambitious and dynamic work environment. At e-Traction you will collaborate with an international team of colleagues who are all passionate about sustainable automotive technology. The strong growth of our company offers opportunities for professionals who want to make the difference. We are looking for entrepreneurial people, independent, with a positive attitude, which ask questions and lead the way. We have short communication lines and give room for personal development. A competitive package is part of the deal.

How to apply?

If this vacancy really suits you, fill in [the application form](#) right away!

More information about e-Traction and our technical solutions can be found on our website www.e-traction.com. For more information about this vacancy you can contact Mert Turhan (Lead/Senior Electronics Engineer) 06-42 48 28 05.

Acquisition by commercial agencies regarding this vacancy is not appreciated.