

Cleantron is an independent, family owned, company and high quality Battery producer with specialized engineering skills.

Cleantron develops Batteries with the clear objective to produce the developed Batteries in house in its Nieuw-Vennep facility, nearby Amsterdam.

Upcoming Engineers, looking for learning in a professional innovative R&D environment, are welcome and encouraged to apply for a traineeship.

This can concern bachelor and master students in the field of mechanical engineering, electrical engineering, information technology, industrial/UX design, robotics, production technology, machine vision, machine learning, etc.

The following trainee projects are on-hand:

- **Remote Programming**
of power supplies and electronic loads. Cleantron uses several power supplies and loads for testing battery packs. This equipment is currently instrumented via the front-panel interface of the equipment itself, while all these instruments can also be programmed from a central PC. During this project, a PC based program has to be developed that can instrument the available power supplies and loads, such that automated test sequences become possible.
- **Smart Testing Devices**
that can facilitate the testing of cables, wires, sensors, etc. During this project one or more of these devices have to be developed in hardware and embedded software (programmed in C).
- **GUI**
Cleantron has a device used for controlling multiple battery modules in one configuration. Communication with the Modules (via CANbus) of the central device needs to be expanded with a GUI (industrial / UX designer and embedded software engineer).
This project thus can be carried out by one or more trainees.
- **Smart Display.**
enhanced display development for a 160x80 full colour graphical display including the hard- and embedded software development.

Of course we also encourage trainees to come forward with novel brilliant ideas to make our Batteries even more attractive and smart!

During the traineeship you will be coached by experienced engineers. The minimum time for a traineeship is 3 months.

We do encourage trainees to apply for a traineeship directly.

Requests via a recruitment agency or such, are not taken into consideration.

If you would like to apply for a traineeship at Cleantron, please send your CV and motivation letter to maarten.kelder@cleantron.nl