

Student vacancy

Homemade powerwall

Study-background: MBO/HBO/WO bachelor3 or master

Period: 3-6 months

The idea

At ZEnMo we are not only interested in models and software, we also like to make our hands dirty. We have this idea to convert a battery pack from an electric vehicle into a powerwall for residential use. The idea is that the battery pack can be used for the car as spare battery capacity for longer range and for the residential storage when the car is not used. This would enable a more efficient use of the battery pack.

What you can do

As a hands-on technician you are going to convert a real EV battery back into a domestic powerwall. We will give you the necessary equipment and supervision to do this project. You might not be able to finish this project in the time of your internship, but we can work things out!

Required skills

The most important thing is that you get a lot of energy from working with electronics and getting your hands dirty! It will come in handy if you have some experience with welding, solder and electronic circuits. However, there are always ways to overcome obstacles if you are not experienced in one of these things. Learning is the goal of an internship.

Supervision

For this specific project Auke Hoekstra will be your supervisor. He has a lot of experience with similar projects and knows is able to support you on all aspects of this assignment, including any academic writing.