Adenda

INTERNATIONAL INNOVATIONS ORIENTATION

Introduction sheet: VDL Energy Systems

Energy transition:

VDL Energy Systems has the ambition to play an important role in the energy transition. We invest in and develop applications that make the energy transition possible, such as battery storage systems and fuel cell systems.

Hydrogen applications:

Hydrogen will play a major role in our energy supply. Developments in the field of hydrogen are going fast. For example, VDL has been electrifying buses, trucks and waste trucks for some time now. We have developed these electric vehicles further into fuel cell-powered vehicles.

At VDL Energy Systems, in addition to the development of electric power units, we also focus on Hydrogen Power Units with fuel cells. (from 50 kW in a special generator housing up to 1 MW in a 20 ft container and 2MW in a 40 ft container) for power generation and drive of e.g. electric motors and generators.

Infrastructure:

With the change in our energy sources, the energy infrastructure will also change. VDL Energy Systems provides hybrid systems where central and decentral generated energy from different sources come together. Energy will take a number of forms, such as heat, electrons, bio-gas and hydrogen. Transport, storage and generation of energy will come together and this means that infrastructure will have to be adjusted accordingly. VDL Energy Systems has extensive knowledge of different types of energy systems. Experience that we want to apply in changing the current gas infrastructure to a hybrid energy infrastructure.

VDL Energy Systems will also help the construction industry with energy storage

It will become one of the greatest challenges for the construction industry: to work without emitting nitrogen and CO2. To accelerate the transition to a zero-emission building site, energy storage and power supply is needed in the form of large battery systems. VDL Energy Systems makes such energy storage systems and calls them Electrical Power Units (e-PU).

www.vdlenerysystems.com

Energy Transition Innovations
Adenda Knowledge Tour 2022