

Frank Possel-Dölken | Road to Net Zero | CEN-CENELEC-DKE | 5.12.2023



Welcome

Envisaging a Sustainable Electrified Future

- in practice -



The All Electric Society describes the future picture of the world in which regeneratively generated electrical energy is available worldwide as the primary main form of energy in **sufficient** quantities and completely economically.

The basis for this is the comprehensive electrification, networking, and automation of all sectors of the economy and infrastructure.

With its products, solutions, and digitalization expertise, **Phoenix** Contact empowers industry and society to accelerate the implementation of this transformation on the way to a sustainable world with long-term growth perspectives for all.

The road towards an All-Electric Society

Top-down approach





Bottom-up approach

- Addressing the challenges step by step
- Solving the problems step by step
- Verify if each step leads to the desired result



Phoenix Contact Headquarters in Blomberg



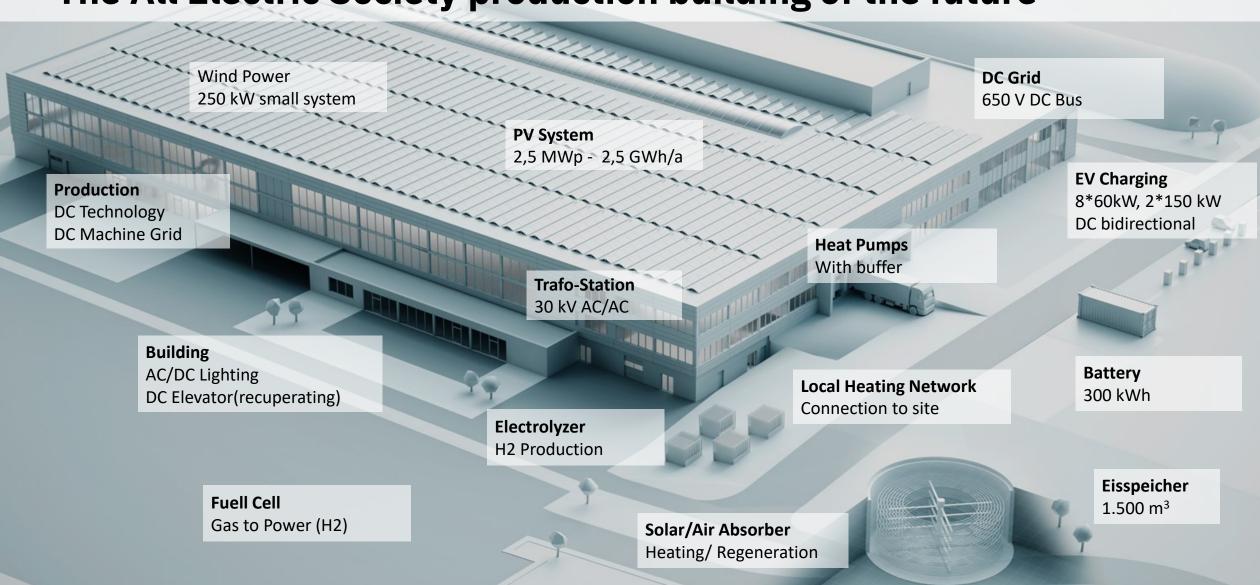
From theory to practice: How to implement these ideas?



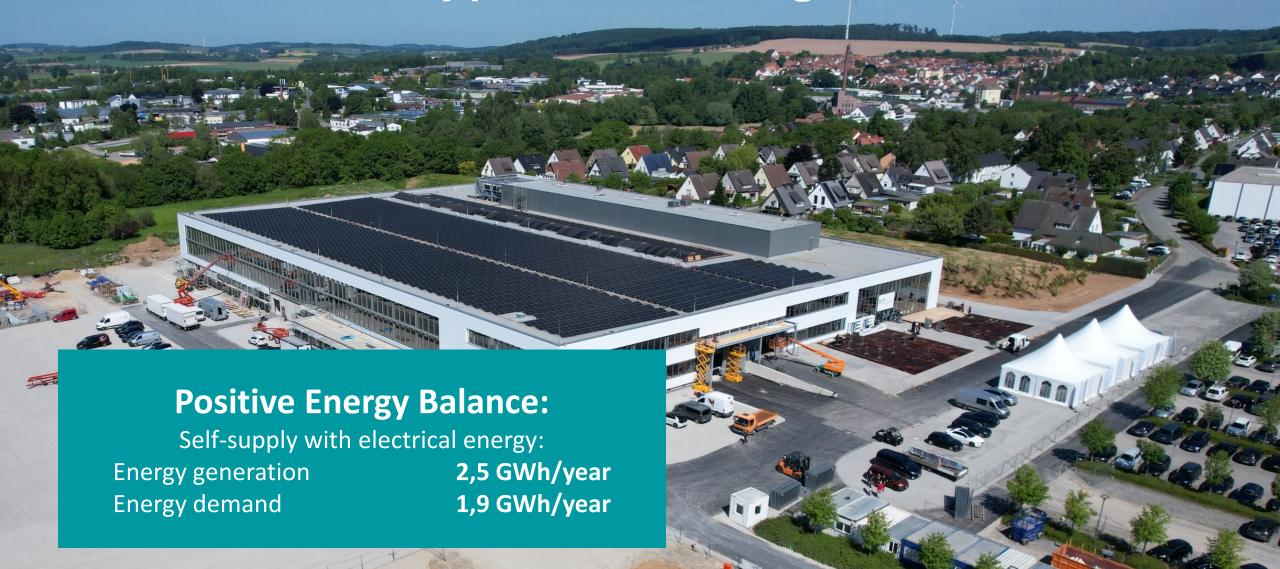




The All Electric Society production building of the future

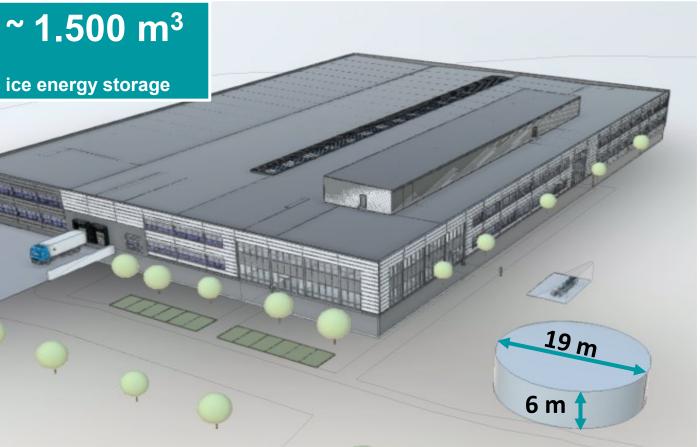


The All Electric Society production building of the future



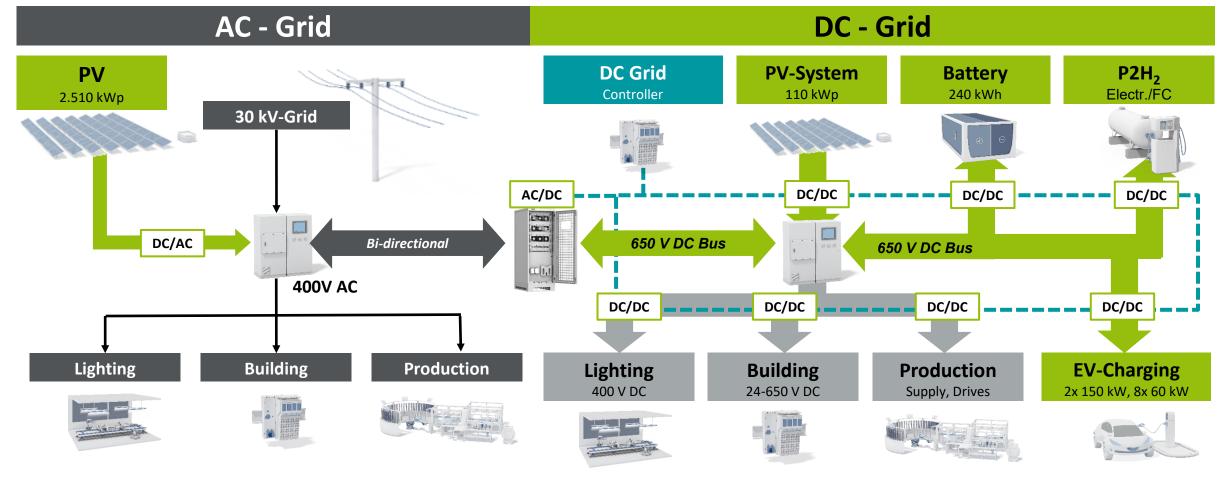
Heating with ice in building G60: Capacity 150 MWh







Example: Hybrid electrical infrastructure of G60





The need for standards

Sector coupling requires standards

Enabling decentralized energy networks

Enabling DC grids

Enabling seamless secure communication (real-time and non-real-time)

Enabling seamless secure data flows





Frank Possel-Dölken | Road to Net Zero | CEN-CENELEC-DKE | 5.12.2023



Welcome

Envisaging a Sustainable Electrified Future

- in practice -

