

Feasibility study CO2-free energy supply of a central warehouse

LOCATION: Karlsruhe, Germany

SYSTEM/TECHNOLOGY: Renewable energy / hydrogen

SERVICES: Solution development / Feasibility studies

INDUSTRY BRANCH/TYPE OF PLANT: Green Energy, Power Generation

CLIENT: Altus AG

ACTIVITY PERIOD: 2022

POINTS OF CONTACT



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Tasks

The scope was to find a general solution for logistics centers. The aim is to reduce the CO2 pollution caused by the energy supply of a warehouse center including logistics (truck traffic).

INP Services

- Elaboration of the energy supply based on renewable energies
- Preparation of a feasibility study for 100% green energy supply => CO2-free
- Pointing out the supply possibilities of renewable energies
- Economic feasibility study compared to the use of fossil fuels
- Calculated payback: just over 7 years without consideration of possible subsidies including H2 filling station
- Potential CO2 savings: over 22,000t/year