

EV Energy pilot, research by DNV-GL and financed by EV Energy and Airport Fund

Project area LB, LA, LAB and RWS can be energy positive



- How to start participation with inhabitants of Lelystad?
- Investigate experimental space to curtail electricity on aggregation level
- LAB + Liander plan to build a switching station at LAB
- Pilot virtual energy exchange

- Issue of congestion at substation Zuiderveld beginning 2020 - New substation will be built in 2025
- On Flight District can 22 MW (of the planned 46MW) be realised without curtailment)
- Effect of no gas connection is limited: 5,7 GWh
- Estimated effect of charging electric vehicles is 24,5 GWh (16% of total)
- Total production in project area 161 GWh, total consumption 157 GWh
- Storage: batteries can be applied (value stacking needed)

● = conclusion
● = next step