

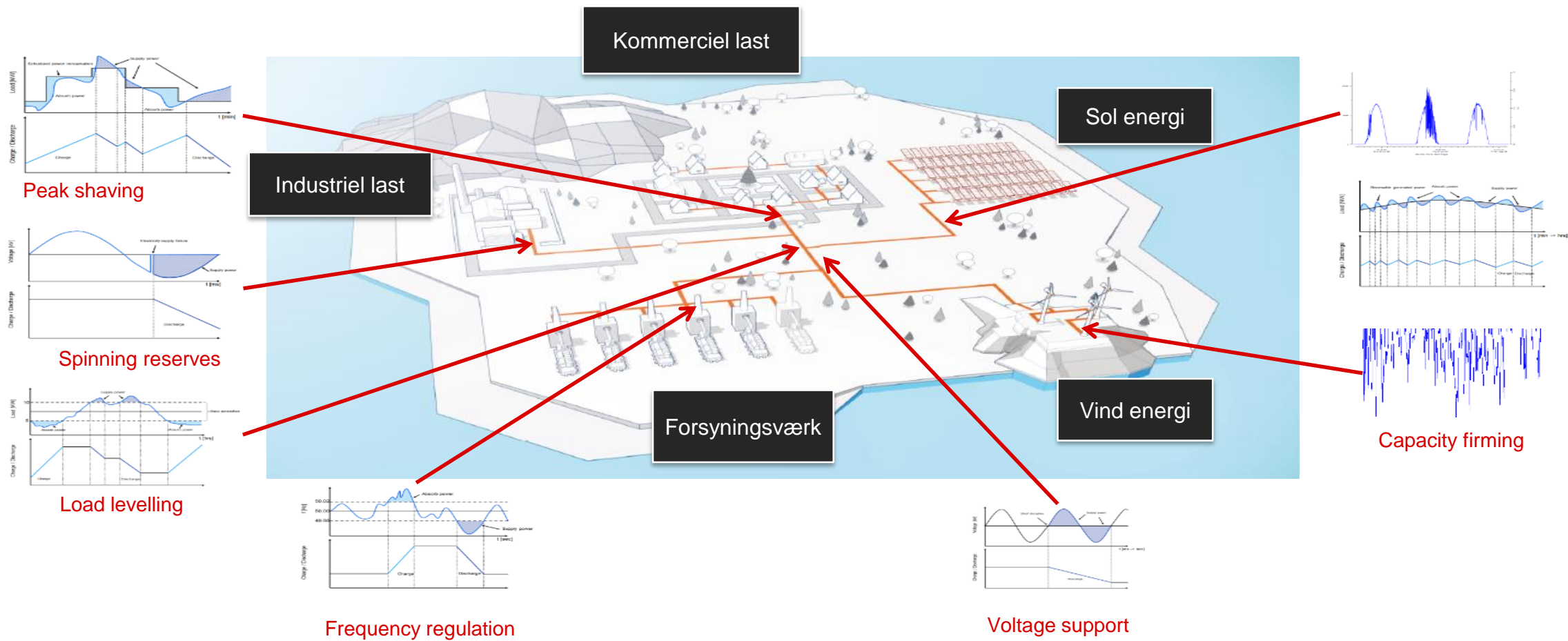
30 NOVEMBER, 2017

Avanceret energilagring 2017, Spor 2: Elektrisk lagring

Rasmus Theill, Product Marketing Director

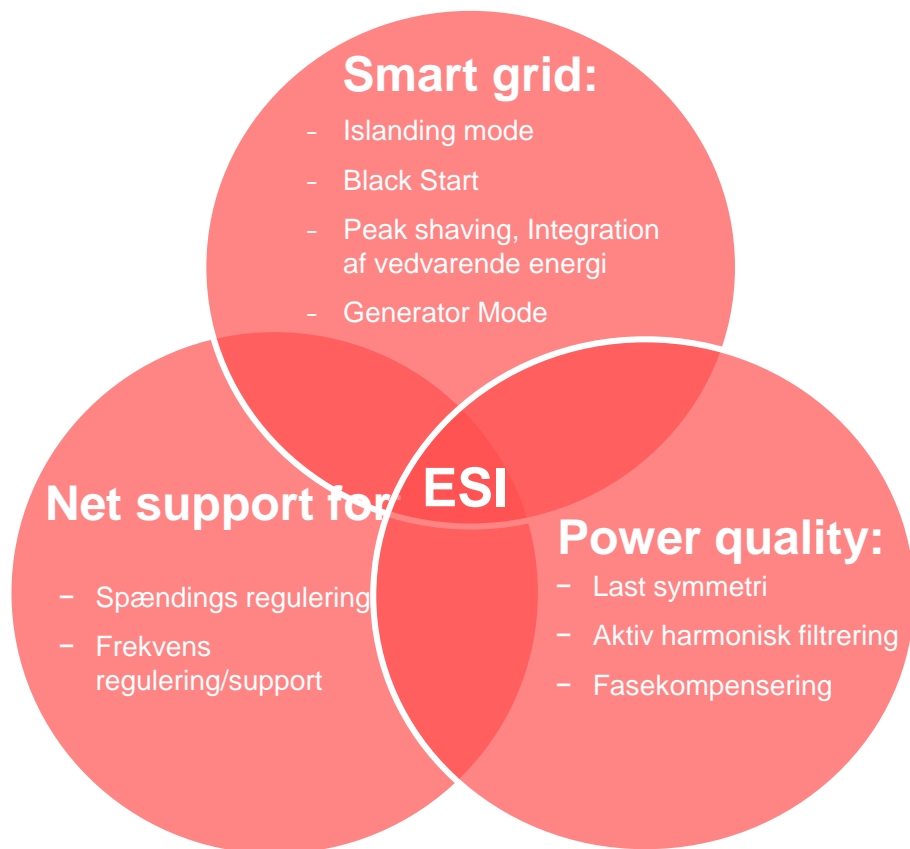
Energilagring

Applikationer og last profiler



Energilagring

Muligheder



Størrelser:

- 20kW → 2.5MW

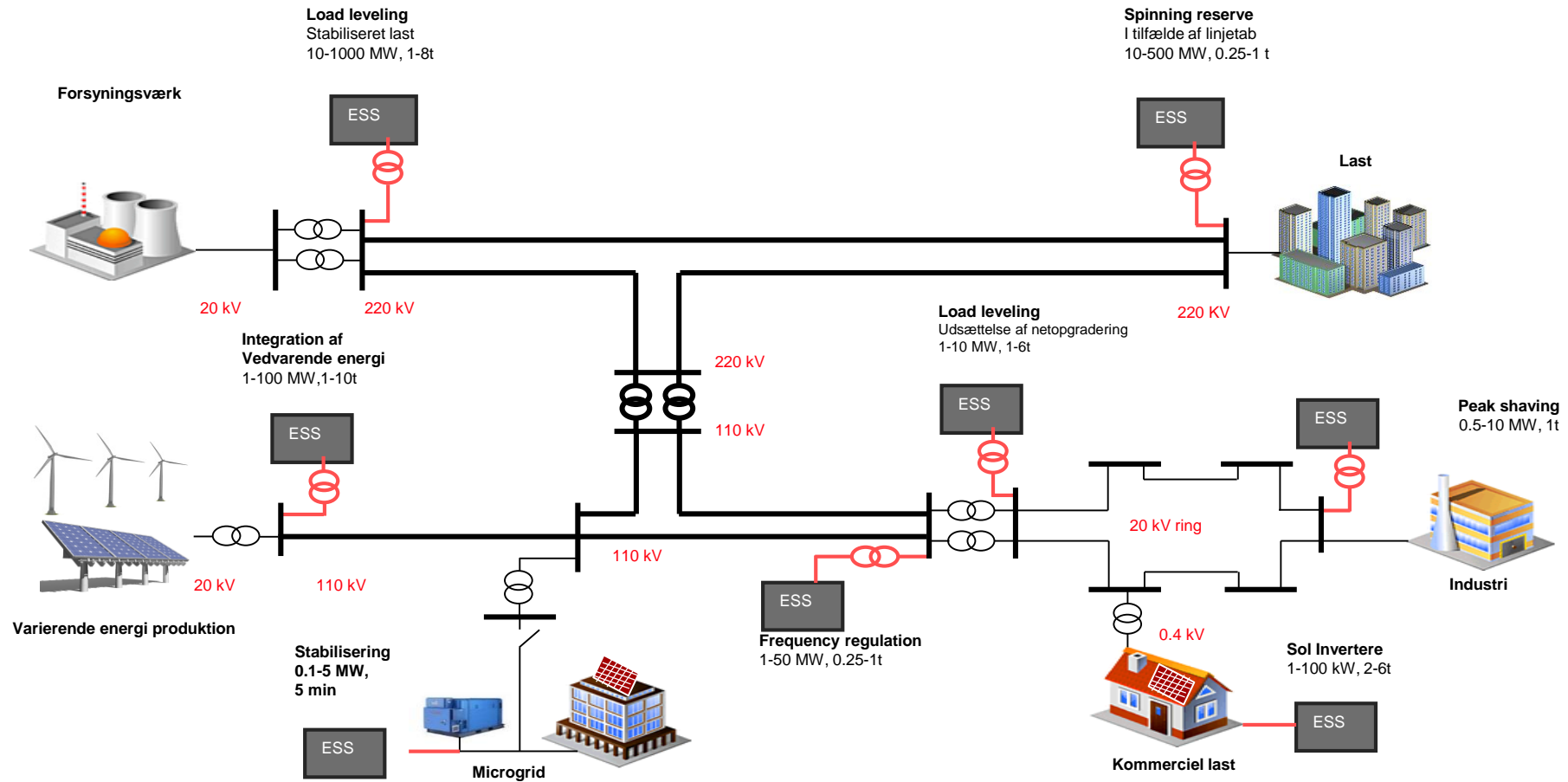
Kommunikations muligheder:

- CAN
- Modbus TCP/RTU

Fleksibelt modulært design

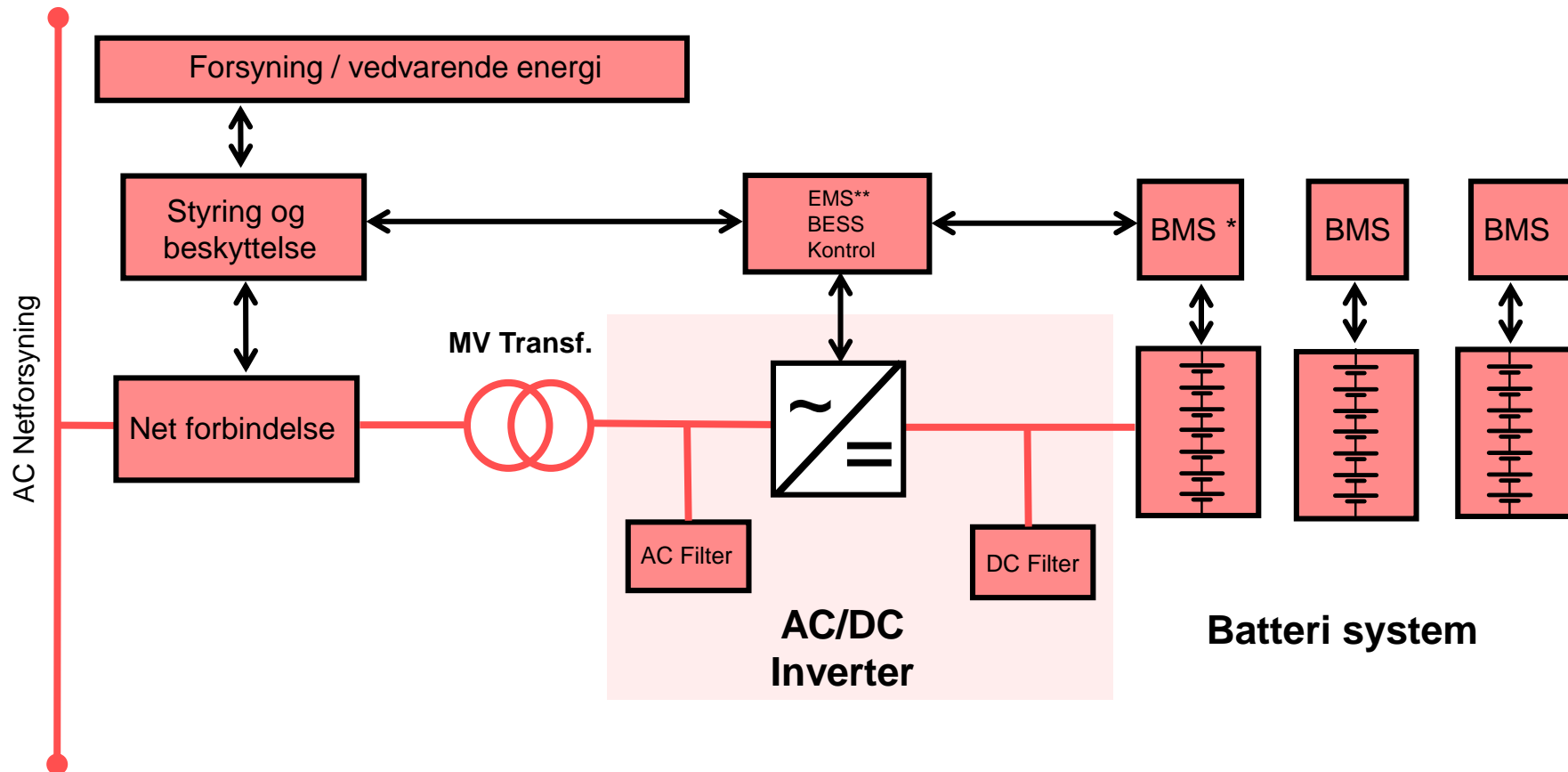
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Tilslutningsmuligheder for energilagring



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Typisk setup



*BMS - Battery management system

**EMS – Energy management system/ Master BESS control

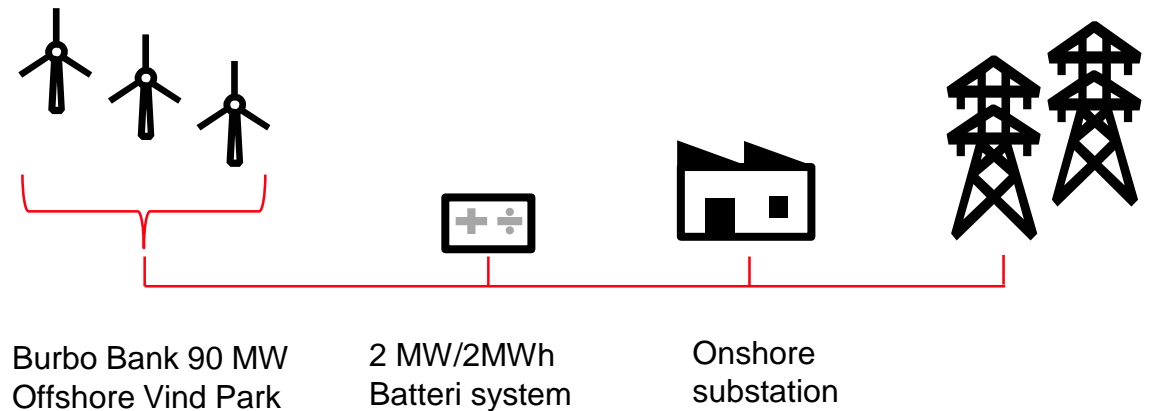
Energilagring

Vind energi til 80.000 husstande

Burbo Bank Offshore Vind Park

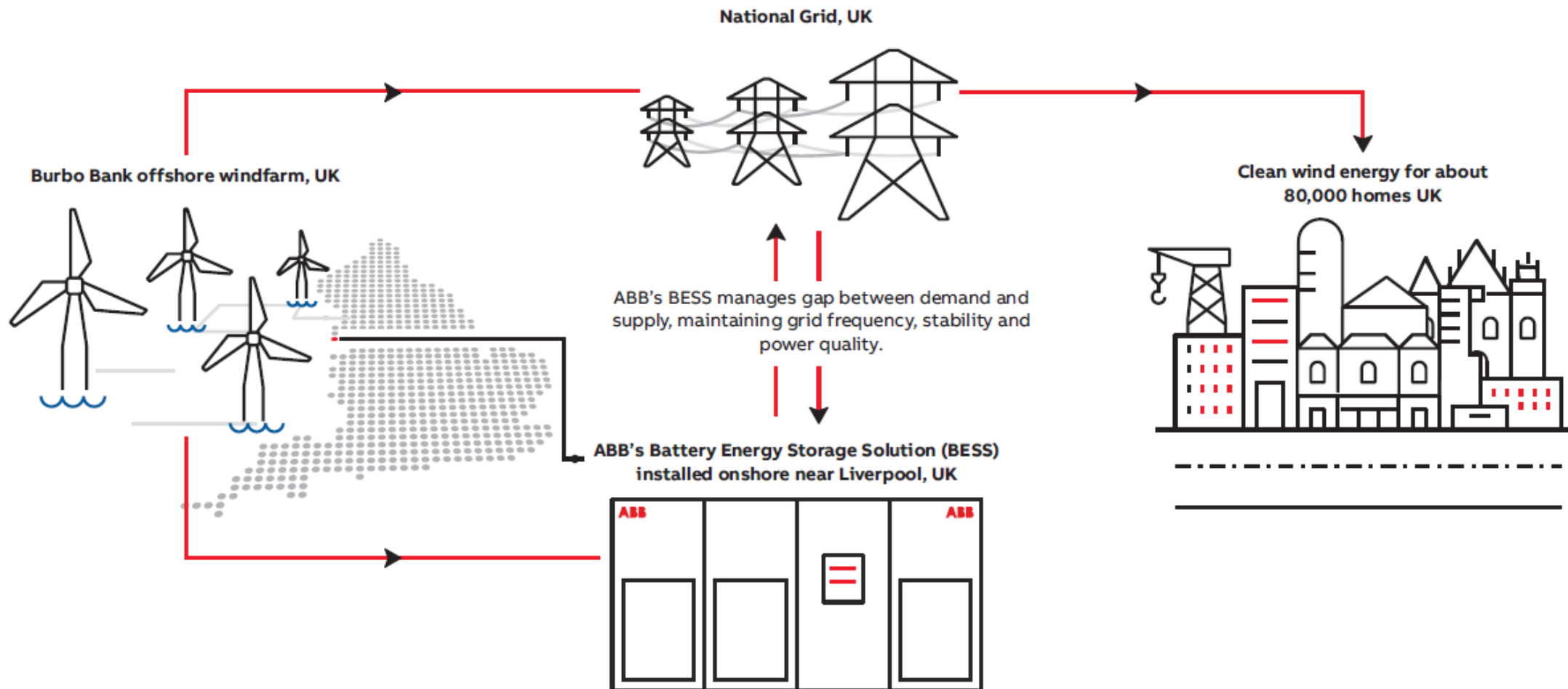
DONG Energy har invisteret i energilagring for at kunne lave bl.a. frekvensregulering fra deres vind park i Burbo Bank.

Det første hybrid batteri system ved en offshore vind park, til at lave frekvens regulering og hjælpe nettet med at holde en stabil 50Hz frekvens.



Energilagring

Vind energi til 80.000 husstande



Energilagring

Energilagring til forsyning af 60 husstande

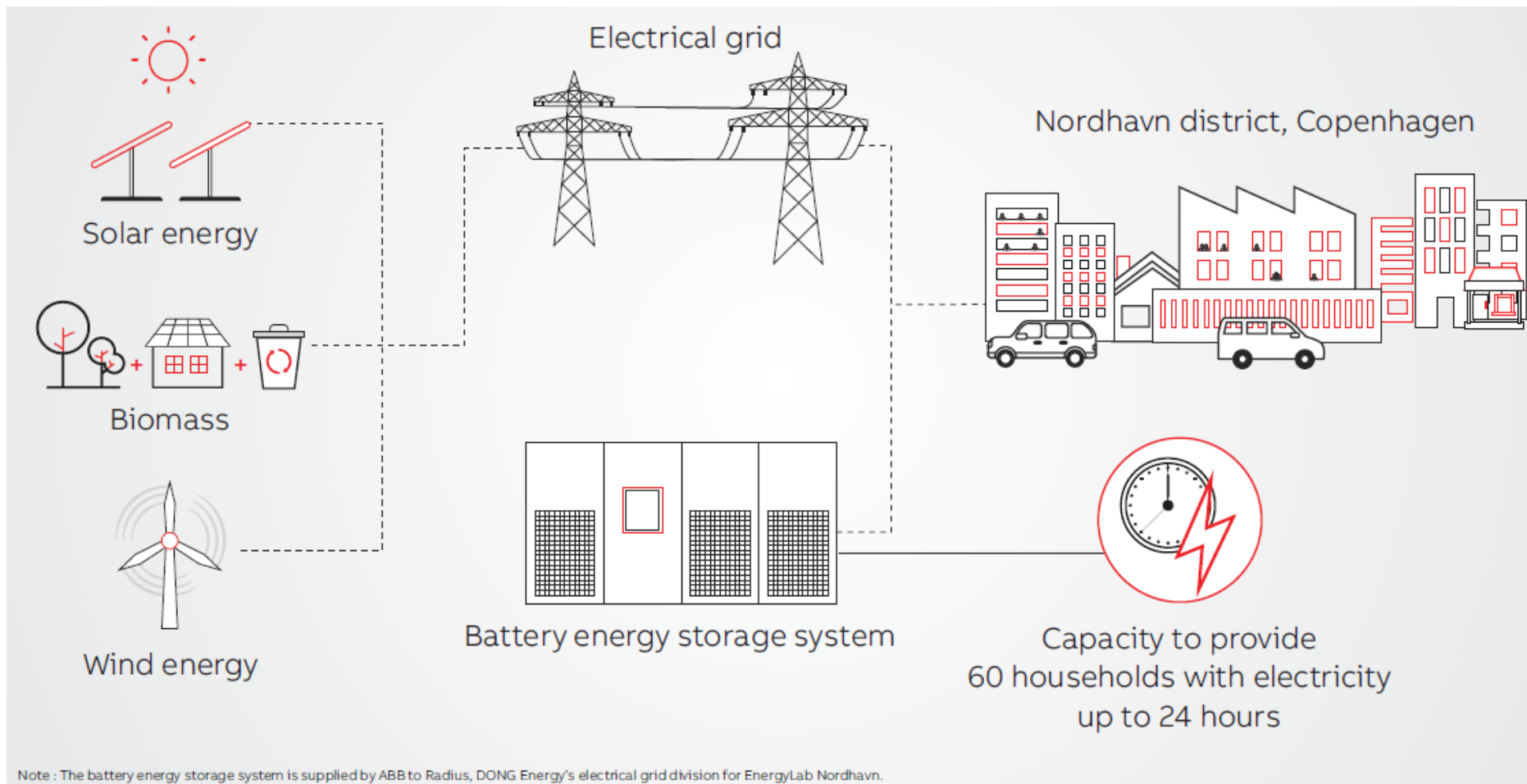
Nordhavn - Denmark

- Komplet batteri system for lagring af alternative forsyningskilder.
- Tilsluttet Nordhavnens forsyningsnet, til forsyning af 60 husstande med elektricitet op til 24 timer
- En del af Energilab Nordhavn
- Løsning: ABB's ESI Invertere
 - Output: 630 kW
 - Energi: 460 kWh
 - Teknologi: Lithium-ion
 - Idriftsættelse: Januar 2017



Energilagring

Energilagring til forsyning af 60 husstande



ABB