



ferroamp

MARKET SEGMENTS

Residential Building

Non-Residential Building

A

BOOTH NO.

A63 Ferroamp · Sweden

Product: EnergyHub

Power control by integrated and future proof DC nanogrids

THE NEED. Total transmission and distribution costs exceed the total market value of electricity in many markets, yet available solutions that meet the needs of prosumers and grid operators are neither future proof nor cost efficient.

THE SOLUTION. A DC nanogrid integrating - PV, storage and EV chargers - with the grid, optimised for medium-sized buildings and adapted to future needs. It enables increased self-production/consumption of electricity. The concept is expanded to connect different buildings with the DC net through a *PowerShare* concept.

KEY FEATURES.

- Adaptive Current Equaliser - real-time reduction of phase imbalances.
- Seamless integration of PV, Storage and EV-charging connected through one inverter. Capability to connect different buildings.
- Demand response functionality and reactive grid support for aggregators and grid operators.
- High resolution data on electricity production/consumption.
- Modular scalability and future proof, from 7 kW to MW range.
- Flexibility to different energy storage types and brands

VALUE PROPOSITION.

- Increased self-consumption from behind the meter storage and DC distribution.
- Life cycle cost efficient.
- Low conversion and transmission losses by only one inverter.
- Modular scalability and future proof - from 7 kW to MW range.
- Powerful DC charging of EVs.

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THE TEAM

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Vattenfall
Fortum
Riksbyggen
Skanska
Vasakronan

✓ **COMMERCIALISED**