

Sustainable logistics center

Lidl Finland & Schneider Electric

Project design

A Lidl distribution center in Finland was transformed into a sustainable logistics center in partnership with Schneider Electric. The center uses a smart micro-grid which constantly learns and makes energy management adjustments, becoming more energy efficient over time. The building operation solution incorporates demand response, targeting more than 70% energy cost savings.

Results of the integrated approach

The smart micro-grid optimizes the heating and cooling system, storing heat from the cooling process, and distributing it as hot water to approximately 500 households in the area, making the distribution center a community force for good.

Key facts

- Microgrid with 1600 panel rooftop solar installation
- Optimized heating and cooling system
- Battery energy storage system enabling reduced peak demand on the national power grid
- 70% energy cost savings
- Net positive logistics center
- Supplies hot water to approximately 500 households

Project archetype

Campus/Office decarbonization

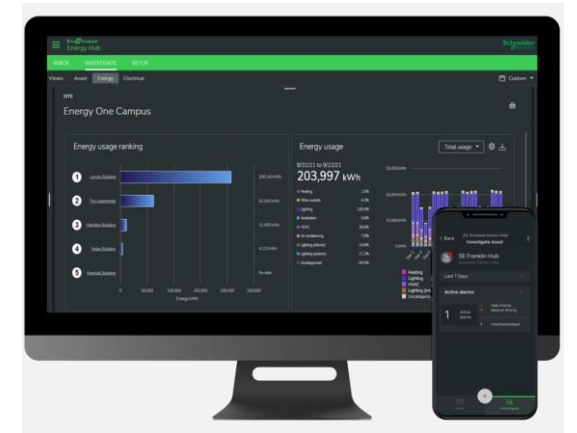


Image credit Schneider Electric

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