Siemens

#TransformTheEveryday





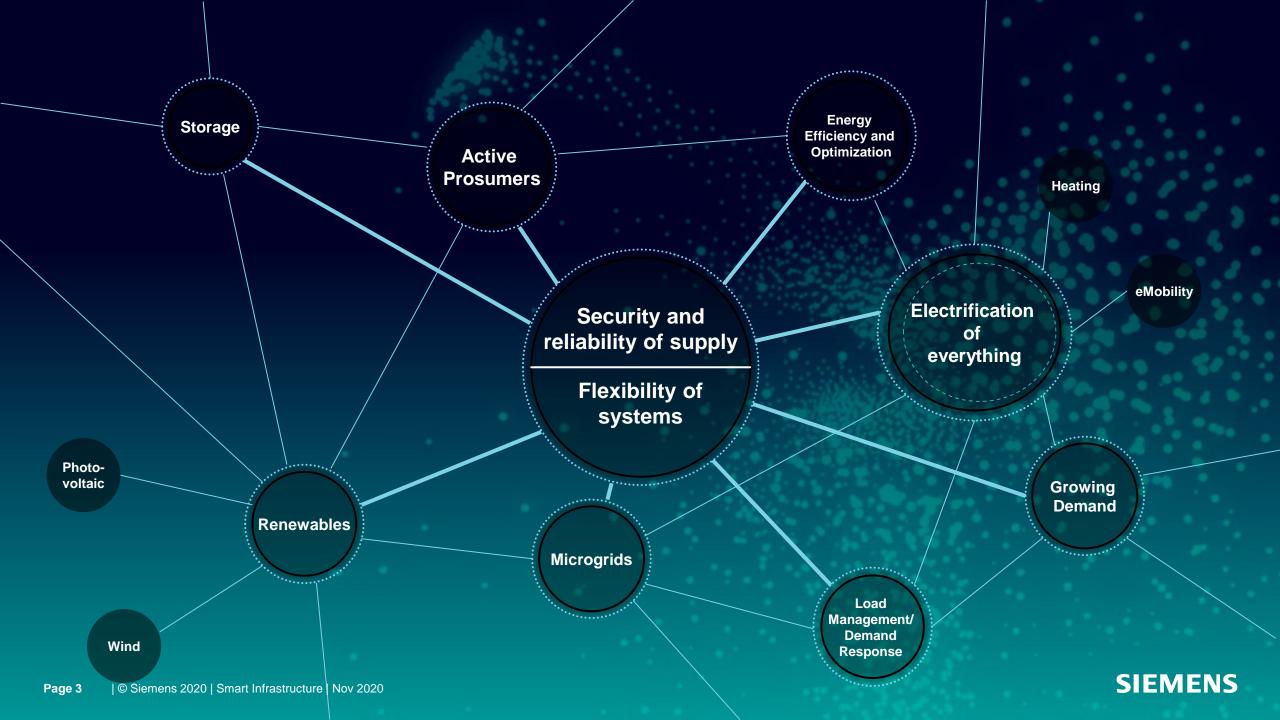
Facts and figures

	Siemens Osakeyhtiö	Siemens AG
Revenue	€204M	€57bn
Employees	430	293,000
Founded	1898	1847
Operations in	FinlandEstoniaLatviaLithuania	•200 countries

Local businesses: Digital Industries

Smart infrastructure

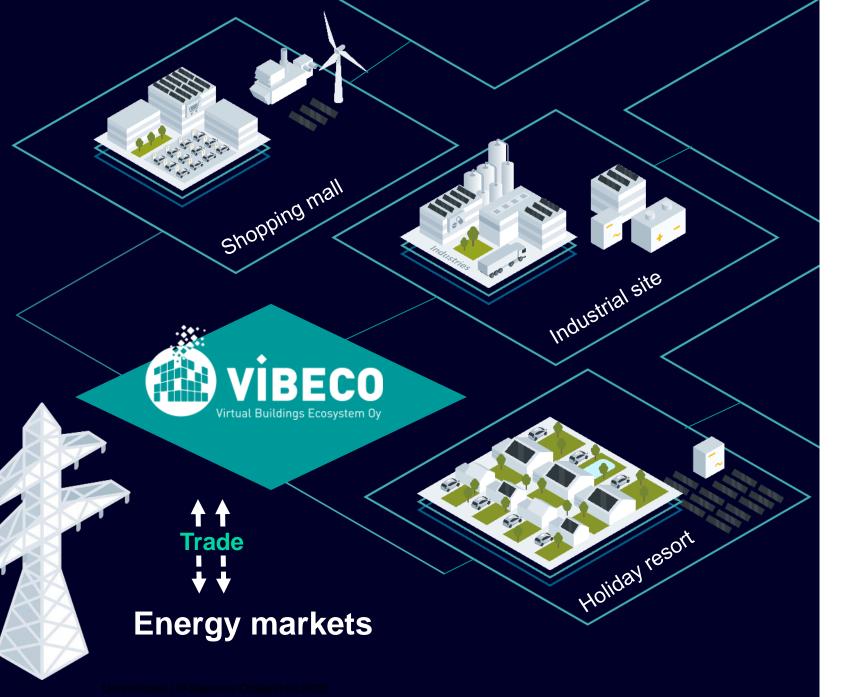
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VIBECO provides virtual power plant service by combining energy system and building know-how

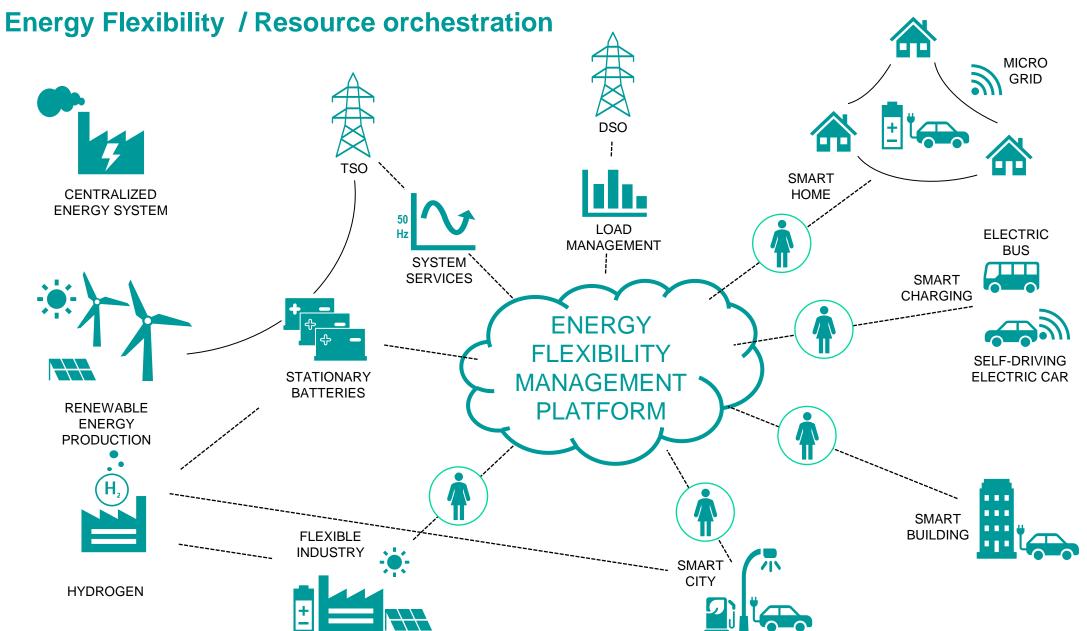


VIBECO is a platform company providing digital services for buildings. Its first virtual power plant service is a totally new approach to create sustainable society and to generate new measurable value to building owners.



Virtual power plant solution

- Enabler of sustainable society
- Smart energy platform connects buildings, industrial sites and other assets to the demand response market.
- Assets adjust automatically their energy consumption to the energy market's requests.
- Load owners can earn money by providing flexibility.

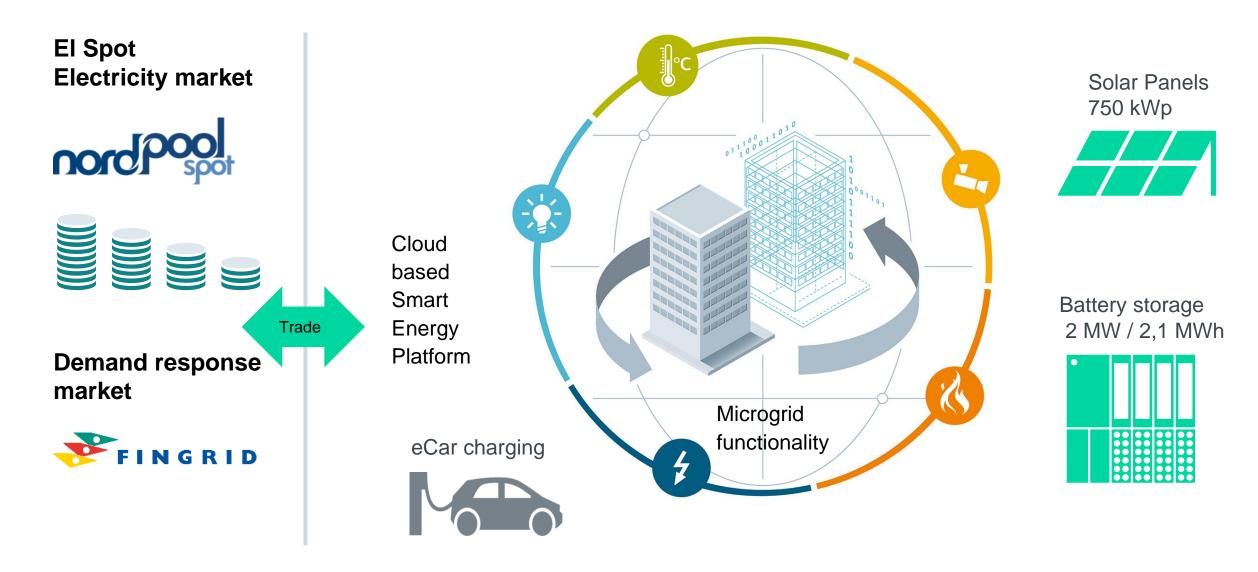


Customer impact





A new earning model as a part of the smart energy system Buildings' small loads combined and provided to the market



Building technology components in the microgrid Load to be provided from Sello to the reserve market



Battery SieStorage (2 MW, 2,1 MWh)

LED lighting dali control (3000 pcs)

Fans (0-848 kW scale)

Ground heater electric (0-390 kW scale)

Ground heater pump (0-35 kW scale)

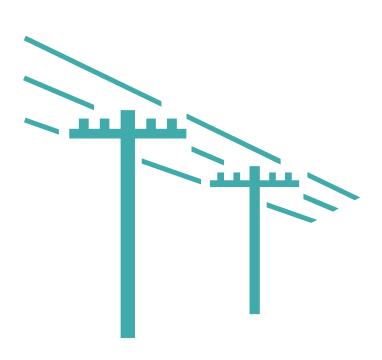
Generators (1330 kW)

Solar power (0-750 kW scale)

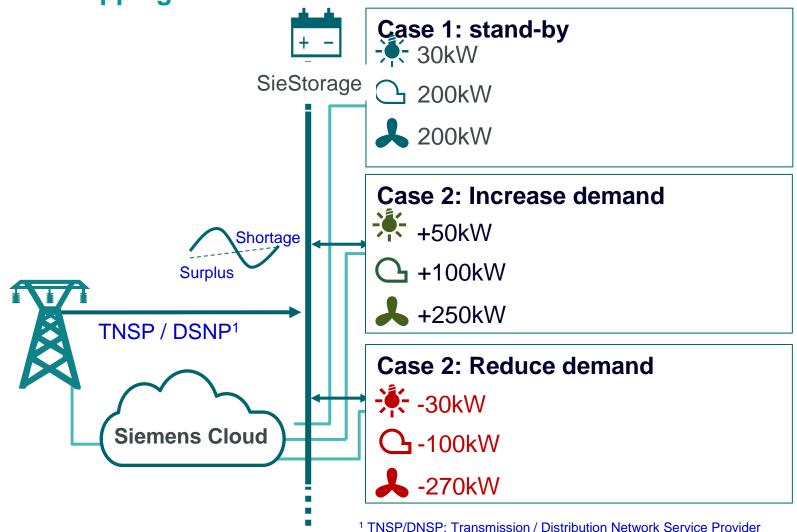
EV charging (0-300 kW scale)

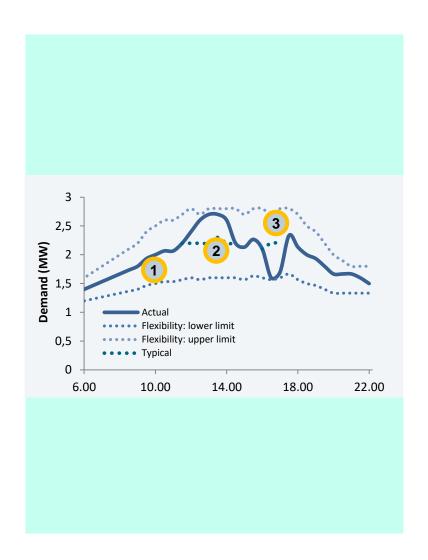
Next steps, Cooling 3 MW

Other assets 1 MW



Briefly control of building loads Sello shopping center



















Contact

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