

# Merus Power BESS

## Konseptista toteutukseen

**Kari Tuomala**

*CEO, Merus Power*

Merus Power Plc

16.1.2025





**MERUS POWER**

**Electrify your Future**

We enable the growth of renewable energy in electricity networks and improve the energy efficiency of society.

# Merus Power Plc.

**2008**

Founded

**144<sup>↑</sup>**

Personnel

01/2025

**29 M€**

Revenue

2023

**70+**

Countries with  
our solutions

We design and manufacture Finnish innovative battery energy storage systems and power quality solutions.

Our business is based on scalable and modular power electronics, advanced software technology and electrical engineering expertise.

Our company is headquartered in Ylöjärvi, Finland.

Our staff represents internationally valued expertise.

We operate in a global and fast-growing market.

# Merus<sup>®</sup> ESS – BESS references from Finland

- **2019 – LIDL DISTRIBUTION CENTER**  
2.6MW / 2.3MWh BESS, Järvenpää, Finland
- **2020 – LEMENE ENERGY COMMUNITY**  
1.6MW / 1.3MWh BESS, Lempäälä, Finland
- **2020 – TUULIWATTI 21MW WIND FARM**  
6MW / 7MWh BESS, Simojoki, Finland
- **2021 – S-RYHMÄ, DISTRIBUTION CENTER 1 AND 2**  
2 x 1MW / 1MWh BESS, Sipoo, Finland
- **2023 – HELEN, MANKALA HYDROPOWER PLANT**  
0.3MW / 0.3MWh BESS, Mankala, Finland
- **2023 – ELENIA, SECURING ELECTRICITY DISTRIBUTION**  
2 x 0.6MW / 0.6MWh BESS, Finland
- **2024 – TAALERI, GRID BALANCING**  
30MW / 36MWh BESS, Lempäälä, Finland
- **2024 – SALLILA ENERGIA**  
1.7MW / 1.7MWh BESS, Finland
- **2025 – HERRFORS, ELECTRIC BOILER (EB)**  
7MW / 7MWh BESS, Pietarsaari, Finland
- **2025 – ENORDIC, LAPPEENRANNAN ENERGIA, ARDIAN**  
38MW / 40MWh BESS, Lappeenranta, Finland
- **2025 – ALPIQ, GRID BALANCING**  
30MW / 36MWh BESS, Valkeakoski, Finland
- **2025 – ENERTIA, GRID BALANCING**  
9.9 MW / 9.8 MWh BESS, Forssa, Finland

# Taaleri BESS – Lempäälä, Finland

- Comprehensively developed in-house by Merus Power
  - Project development
  - Permitting
  - Grid connection process
  - SJV modeling, simulation, and testing
  - Reserve market testing
- 30 MW / 36 MWh, expandable up to 60 MW / 72 MWh
- Direct connection to the national grid (TSO) at 110 kV
- Arctic design for -40°C, snow, and ice, ensuring high availability
- Our offering and value
  - High expertise from start to finish, working closely with the customer
  - Access to the Finnish electricity market
  - Supporting greater renewable energy integration into the grid
  - Asset scalability and versatility to adapt to changing market conditions

Project development ✓

Business case optimization ✓

Turnkey technology delivery ✓

Market access ✓

Trading services

Full life cycle O&M services ✓

# From concept to implementation



# Thank you for your attention!



**Kari Tuomala**

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Merus Power Plc*

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