

## **Merus Power to deliver energy storage system to Lempäälän Energia's LEMENE project**

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Merus Power and Lempäälän Energia Ltd. have signed a contract to deliver an energy storage system to a key project for renewable energy and new technology, supported by the Ministry of Economic Affairs and Employment (MEAE).

The LEMENE project is a smart and energy self-sufficient business district to be built in the Marjamäki industrial park driven by renewable energy sources and frontline technologies. The energy storage will be a central element of the LEMENE system, ensuring power quality and availability, improving transmission grid operation, and serving as a frequency support reserve.

The contract covers a Merus ESS 1.6MW energy storage system representing Finnish state-of-the-art power electronics and control system technology. The ESS system's power conversion systems (PCS) and software are designed and manufactured in Merus Power's factory in Nokia and delivered as a turnkey project to Lempäälä. A special feature of the Merus Power energy storage system is the power quality improvement functionality, which can be utilized continuously regardless of energy storing or discharging features.

The LEMENE-project focuses on renewable energy production, energy storing and intelligent control. Merus Power's technology enables a direct connection of fuel cells to the microgrid of the energy system and facilitates the use and integration of renewable energy into the grid. The energy storage plays a key role in the implementation of the LEMENE project's energy self-sufficient model.

"We were convinced by Merus Power's system concept. We chose the best supplier and look forward to working together and starting the construction", says Joni Rintala, Head of the LEMENE project and Electrical Supervisor of Lempäälän Energia Ltd.

"The LEMENE project and co-operation with Lempäälän Energia offers Merus Power a unique opportunity to implement a megawatt class energy storage for an advanced system which supports renewable energy. This provides the company with a world-class reference and strongly supports our international growth in the energy storage market", says Sales Director Aki Leinonen.

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***Merus Power Dynamics Oy***

For more information: Kari Tuomala, Managing Director Merus Power Dynamics Oy. Mob. 040 541 1256, kari.tuomala (at) meruspower.fi

*Merus Power is a fast growing cleantech company. Its core products, including energy storage systems, active harmonic filters and SVC/STATCOM solutions, help save energy, increase the use of renewable energy, improve power quality and enhance process productivity. The company's shareholders are private individuals and the mutual funds VNT Management and Inventure Ky. [www.meruspower.com](http://www.meruspower.com).*

***Lempäälän Energia Oy***

For more information: Joni Rintala, Head of LEMENE-project, joni.rintala (at) lempaalanenergia.fi

*Lempäälän Energia Oy is a wholly-owned subsidiary of Lempäälän Lämpö Oy and acts as a production company to produce district heat using various solid fuels, such as peat, wood chips and sawdust. Lempäälän Energia Oy has two ongoing projects that have been granted an investment aid from The Ministry of Economic Affairs and Employment (MEAE). The projects aim to increase the production and use of renewable energy. One of the projects is the LEMENE / Lempäälä energy self-sufficient business district, which is the top project for energy technology, and the second one is a new heating plant for Viialantie in Lempäälä.*