

Behind-the-meter energy storage project in Tampere Finland



Overview

Where will Taaleri Energia invest in a battery energy storage system?

Taaleri Energia will invest in a 30 MW/36 MWh battery energy storage system (BESS) in Lempäälä, some 25 km south of Tampere, Finland. The facility will be one of the largest BESS' operating in the Finnish frequency reserve market. The capacity of the system has the potential to be doubled in the future.

Who is deploying a 30mw/36mwh battery energy storage system in Finland?

Taaleri Energia and Merus Power have partnered to deploy a 30MW/36MWh battery energy storage system in Finland, one of the country's largest.

Is Finland a good place to invest in battery energy storage?

In addition to that, Finland has a strong culture focusing on core business functions and there is always plenty of space for services. It is, however, noticeable that battery energy storage systems or services are demonstrated only by larger companies, which have got typically 30% investment support.

Where is the battery energy storage system located?

Battery Energy Storage System in the energy community (Marjamäki, Lempäälä) The LEMENE smart energy system is under construction in Marjamäki business area near the city of Tampere in Finland. The project will deliver the largest energy self-sufficient business district using renewable energy in Finland.

How many battery installations are there in Finland?

Today there are approximately 10 battery installations in Finland (see Table 1), which are providing services for different stakeholders in the energy value chain. First, the case studies are classified based on the framework presented above, and next, the main concerns raised in the interviews conducted are outlined.

What is battery energy storage system?

It mainly comprises of Lithium-ion batteries and battery management system, power conversions system (PCS) and main Merus MCC controller. A special feature of the Battery Energy Storage System is the power quality improvement functionality, which can be utilized continuously regardless of energy storing or discharging features.

Behind-the-meter energy storage project in Tampere Finland

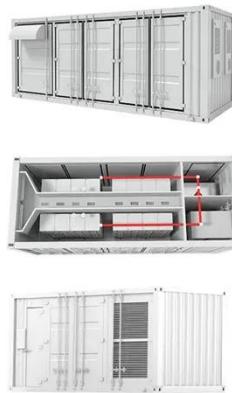


Behind the Meter Systems: A Complete Guide

Nov 11, 2022 · Behind the meter systems are especially beneficial for those who are looking to utilize renewable energy. Here's a complete guide to behind-the ...

What is the difference between front-of-the ...

Oct 3, 2024 · As innovation and investment in energy storage continue to surge, the prospects for both front-and-behind-the-meter solutions hold profound ...



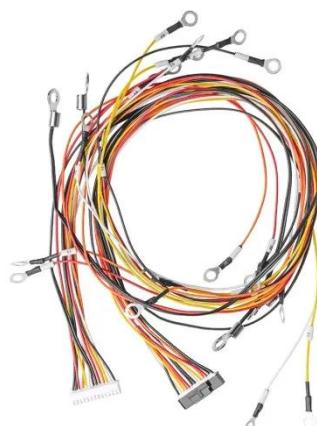
The economics of behind-the-meter battery storage. Part 1: ...

Jan 28, 2025 · The economics of behind-the-meter battery storage. Part 1: Reducing your energy bill What are behind-the-meter commercial & industrial (C& I) batteries? We're talking about ...

4 Factors that Make Behind-the-

Meter Battery ...

Nov 15, 2024 · Financing behind-the-meter (demand-side) battery projects has always been challenging for commercial and industrial customers. Projects are ...



What does behind the meter (BTM) mean?

In contrast, behind-the-meter (BTM) systems refer to electric-generating and storage systems (such as solar and battery storage) that are connected to the ...

Finland Tampere Industrial Energy Storage Equipment

May 12, 2025 · In the heart of Finland's industrial hub, Tampere has become a hotspot for energy storage solutions tailored for factories and manufacturing plants. With industries consuming ...



Energia Tampere 2026

The "Energia" trade fair, held biennially in October at the Tampere Exhibition and Sport Center, is a key event in Finland's energy sector. Organized by ...



Finland: Taaleri Energia & Merus Power 36MWh ...

Feb 9, 2023 · Developers Taaleri Energia and Merus Power have partnered to deploy a 30MW/36MWh battery energy storage system in Finland, one of the ...

**Project coordinator Matti Mäntysalo, leader of WP8 (Tampere ...**

Supercapacitors have been widely accepted as an important type of electrochemical energy storage device due to their high power density, rapid charging time, and long cycle life. In ...

Å Energi acquires a majority stake in a large-scale energy storage project

Jun 4, 2025 · Established in 2018, Eco-Stor AS is an energy storage company delivering a full range of battery energy

storage solutions from small behind the meter systems to large grid ...



Top Energy Storage Solutions in Tampere Key Players and ...

Looking for the best energy storage equipment company in Tampere, Finland? This Nordic hub combines cutting-edge R&D with sustainable energy goals. Let's explore how local innovators ...

OUTDOOR ENERGY STORAGE FINLAND

As Finland takes on more renewable energy sources to meet carbon neutrality goals by 2035, Sargent & Lundy is helping stabilize the country's grid by supporting the installation of ...



Taaleri invests in 30 MW battery energy storage system (BESS) project

Taaleri Energia is investing in a 30 MW/36 MWh battery energy storage

DETAILS AND PACKAGING



system (BESS) project at Lempaala, approximately 25 km south of Tampere, Finland. In the future, it may be possible to ...

Behind the Meter & In Front of the Meter

Jul 17, 2023 · Benefits of 'In Front of the Meter' (FTM): The term "In Front of the Meter" refers to energy-related activities that occur on the utility side of the ...



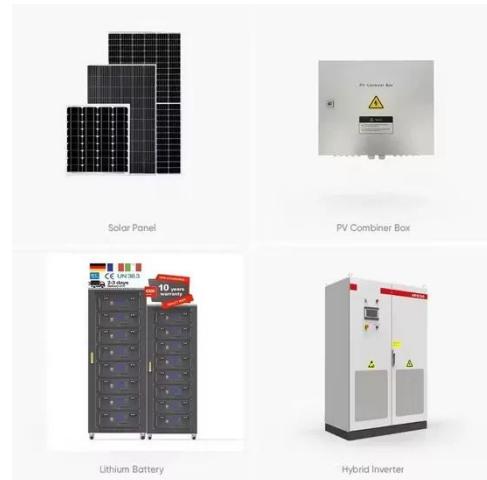
The case for colocating data centers and ...

Feb 13, 2025 · How siting renewables and storage behind-the-meter at data centers can enable larger projects and faster connection to power.

Finland's Sand Battery: A Game-Changer for Clean Energy Storage

Jun 17, 2025 · A Thermal Revolution Begins in the Nordics As the global race for renewable energy solutions intensifies, Finland has quietly pioneered

one of the most promising energy ...



Behind-the-Meter Battery Storage: Frequently Asked ...

Aug 2, 2021 · What Is Behind-The-Meter Battery Energy Storage? Energy storage broadly refers to any technology that enables power system operators, utilities, developers, or customers to ...

Tampere Energy Storage Industrial Park Project in Finland

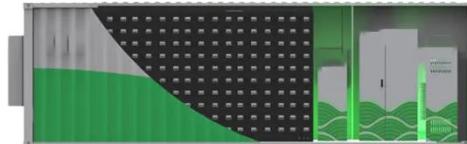
The LEMENE Microgrid Project is a smart grid project being developed in Marjamaki Industrial area, Pirkanmaa, Finland. Skip to site menu Skip to page content. PT. Menu. SolarBank ...



Behind the Meter vs Front of the Meter BESS: ...

May 19, 2025 · The comparative evaluation of Behind-the-Meter (BTM) and Front-of-the-Meter (FTM) Battery Energy Storage Systems in 2025

underscores ...



Behind the Meter Energy Storage

Mar 18, 2025 · Advancing Towards Net-Zero Carbon Energy Production Behind the Meter energy storage is essential for utilities to manage fluctuating electricity demand. Advancing towards ...



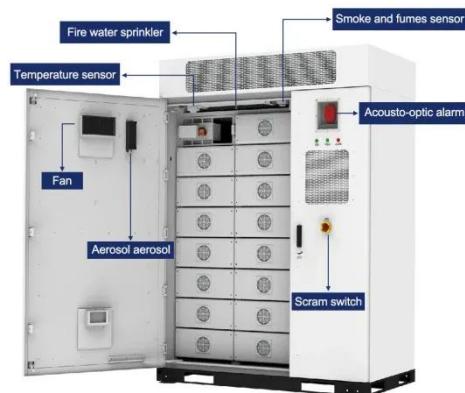
Innovative thermal energy storage pilot

Jan 1, 2020 · Polar Night Energy's 3 MWh test pilot project in Hiedanranta, Tampere, represented a significant step in thermal energy storage technology. ...

'A very Finnish thing': Big sand battery starts ...

Jun 15, 2025 · The world's largest sand battery has started working in the southern Finnish town of Pornainen. Capable of storing 100 MWh of thermal

...



Powering Finland's Future - Fingrid and Merus Power ...

Jun 18, 2025 · The energy storage facility (BESS), owned by Taaleri Energia's SolarWind III fund and delivered by Merus Power, highlights the importance of flexibility and innovation in the ...

Solar

Capalo AI partners with Innovestor to trade and ...

Oct 10, 2024 · Innovestor's energy storage initiative, which focuses on "behind-the-meter" solutions, is estimated to cut carbon dioxide emissions by over 900 ...



Technologies for storing electricity in medium

Sep 14, 2023 · This report provides an initial insight into various energy storage technologies, continuing with an in-depth techno-economic analysis of the

most suitable technologies for ...



Behind the Meter (BTM) Explained:

...

Apr 8, 2025 · Welcome to the 1st edition of our BTM (Behind-The-Meter) Series! We're turning our attention to the stationary energy storage markets & ...



Taaleri Energia announces its first BESS ...

Feb 10, 2023 · Taaleri Energia will invest in a 30 MW/36 MWh battery energy storage system (BESS) in Lempäälä, some 25 km south of Tampere, Finland.

...

Behind the Meter: Battery Energy Storage ...

4 days ago · Battery energy storage systems (BESS) are emerging in all areas of electricity sectors including generation services, ancillary services, ...



Bluenzyme, Saipem's enzymatic CO2 capture technology ...

Dec 20, 2024 · Bluenzyme(TM), Saipem's technological solution for carbon capture, has been selected by Ren-Gas, Finland's leading developer of green hydrogen and e-methane projects, ...

EUROPE and Energy Storage are the key FINLAND

Jun 7, 2024 · Transmission Grids, Capital Cost and Energy Storage are the key action priorities that stand out in Finland's energy horizon, according to the 2024 World Energy Issues Monitor ...



Tampere University is leading an EU consortium to enhance ...

Feb 8, 2024 · Tampere University, Finland, along with its partners from six European countries, is working to revolutionise the field of electrochemical

energy storage. The EU funded ARMS ...



Contact Us

For catalog requests, pricing, or partnerships, please visit:
<https://www.wf-budownictwo.pl>