

Belgian centralized energy storage project



Overview

The project employs 320 units of Sungrow's PowerTitan liquid-cooled battery storage systems. Upon completion of the second 400MWh phase by the end of 2025, the entire installation will be providing clean, stable power for about 96,000 homes and helping stabilize Belgium's power. As of November 22 2025, both phases of the largest battery storage system in Europe have been completed and with the second phase awaiting commissioning. The company is also building other large-scale BESS systems in Belgium. For instance, a Kallo site has plans for 100 MW / 400 MWh. Meanwhile, a Green Turtle battery park, among the largest in continental Europe, will feed 700 MW of renewable energy back to the grid. Tractebel is Owner's Engineer on this landmark project. Green Turtle, situated on the Rotem industrial site in Belgium's northwestern Limburg province, was originally planned. Project owners BSTOR and Energy Solutions Group have started building separate BESS projects totalling 440MWh of capacity in Belgium, following financial close, both of which will use Tesla Megapacks. Energy company Engie, alongside battery energy storage system (BESS) provider Sungrow, announced this week the successful. I4B - The Belgian Infrastructure Fund has invested EUR 30 million (USD 34. Photo by Anna Vasileva The project is developed in Vise, Liege province, in partnership.

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[Construction starts on 440MWh of Tesla battery storage in Belgium](#)

It is the site of the largest permitted battery energy storage system (BESS) on the continent at 2.8GWh, one of the largest under construction at 800MWh, and two under-construction projects announced ...

[ENGIE and NHOA Energy break ground on 400 MWh battery project in Belgium](#)

Kallo, 14 May 2025 - NHOA Energy, the global provider of utility-scale energy storage systems, today celebrated with ENGIE the groundbreaking of a 400 MWh battery energy storage system (BESS) in Kallo, ...



[Colossal battery park in Belgium to store energy to power 385,000](#)

Green Turtle battery park, among the largest in continental Europe, will feed 700 MW of renewable energy back to the grid. Tractebel is Owner's Engineer on this landmark project.

[Energy Transition in Belgium - C&I Battery Storage for ROI](#)

Discover how industrial batteries and smart EMS systems drive energy transition in Belgium: cut costs, earn flexibility revenues, and meet EU targets.

Applications



[Belgium commissions the largest battery energy storage system...](#)

An example of such an investment is the newly commissioned Vilvoorde Battery Energy Storage System in Belgium, currently the largest of its kind in continental Europe.

[BELGIUM'S FLAGSHIP FOR ENERGY STORAGE](#)

The Vilvoorde Battery Park, one of the largest BESS-projects in Europe to date, demonstrates how global expertise and local execution can deliver pioneering infrastructure for a renewable-powered future.



[Belgian fund invests in 600-MWh battery storage project . Energy](#)

The project is developed in Vise, Liege province, in partnership with Belgian energy company Luminus. The facility is designed to stabilise Belgium's electricity grid, support the further integration of ...



[Update on Europe's Largest Battery Energy Storage System Goes Live in](#)

Sungrow has commissioned the first 400MWh of ENGIE's 200MW/800MWh battery energy storage system (BESS) in Vilvoorde, Belgium -- the largest such facility in mainland Europe. The feat is a ...

ESS



[Europe Backs Belgium's 2024 Storage Project](#)

Once fully operational, the Terhills BESS will provide a total of 200 MW of power and 400 MWh of energy storage. Highlighting the rapid pace of innovation in Belgium, while Terhills set a new standard, it has ...

['Largest battery in mainland Europe' powers up in Belgium](#)

Engie and Sungrow have commissioned the first 400 MWh phase of mainland Europe's largest battery energy storage system in Vilvoorde, Belgium, with full capacity due by end-2025.



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