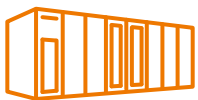
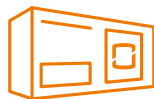


200 MW / 800 MWh BESS

BELGIUM'S FLAGSHIP FOR ENERGY STORAGE



**PowerTitan 1.0
BESS**



**96,000 Households
with 4h backup**



**150 kV Grid
connection**

A COLLABORATION BETWEEN ENGIE AND SUNGROW POWERING EUROPE'S ENERGY TRANSITION

ENGIE'S Vilvoorde Battery Park is one of Europe's largest battery energy storage facilities, developed by ENGIE. With a total capacity of 200 MW and 800 MWh of storage, the facility can power 96,000 households for four hours. It plays a vital role in stabilizing the grid and integrating renewable energy sources.

"This landmark project enhances the integration of renewable energy sources into Belgium's energy system, and reinforces its resilience." - Dries Hermans

Location

Vilvoorde,
Belgium

Systems

320x BESS ST2752UX
80x MV Skids

Developer

ENGIE

Grid Connection

150 kV high-voltage grid
(Elia)

Technical Setup and Impact

The system absorbs fluctuations from intermittent sources like wind and solar, preventing imbalances that could lead to grid instability or outages.

- **Phased Deployment:**
Two phases of each 100 MW
- **Grid Services:** Frequency regulation, grid balancing, stability
- **Renewable Integration:** Supports wind and solar
- **Household Impact:** Powers 96,000 homes for 4 hours.



Execution, Logistics and Partnership



- **Timeline:** 2-month installation
- **Transport:** 320 containers + 80 skids
- **Coordination:** Daily alignment ensured just-in-time delivery

ENGIE selected Sungrow after a rigorous evaluation process, recognizing its global experience, integrated solutions, and responsiveness. Sungrow supported the project from early design through commissioning.

“Sungrow’s collaborative spirit and responsiveness enabled it to quickly align with ENGIE’s ambitious timeline and quality expectations.”

Adriatik Qerimani
General Project manager at ENGIE Belgium



Strategic Outlook and project finalisation

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.



Flexibility is an important pillar of ENGIE's 2030 strategy to accelerate the energy transition in Belgium, alongside renewable energy and accompanying its clients. Flexible assets such as the Vilvoorde battery park are crucial for maximizing renewable potential by fully leveraging the complementarity of energy sources and ensuring grid stability.



"The project showcases how two leading players in the energy sector can work hand in hand—not only to deliver on technical requirements but also to address ESG priorities, health and safety, and project management standards."

Moritz Rolf

Vice President for DACH, Benelux, Nordics and Turkey



Dries Hermans, Technical Project Manager at ENGIE Belgium

80 medium-voltage skids have been placed onsite

ABOUT ENGIE

ENGIE is a major player in the energy transition, whose purpose is to accelerate the transition towards a carbon-neutral economy. With 98,000 employees in 30 countries, the Group covers the entire energy value chain, from production to infrastructure and sales. ENGIE combines complementary activities: renewable electricity and green gas production, flexibility assets (notably batteries), gas and electricity transmission and distribution networks, local energy infrastructures (heating and cooling networks) and the supply of energy to individuals, local authorities and businesses. Every year, ENGIE invests more than €10 billion to drive forward the energy transition and achieve its net-zero carbon goal by 2045. The Group is listed on the Paris and Brussels stock exchanges (ENGI) and is represented in the main financial indices (CAC 40, Euronext 100, FTSE Euro 100, MSCI Europe) and non-financial indices (DJSI World, Euronext Sustainable - Europe 120 / France 20, CAC 40 ESG, MSCI EMU ESG screened, MSCI EUROPE ESG Universal Select, Stoxx Europe 600 ESG-X).

ABOUT SUNGROW

Founded in 1997 by Professor Cao Renxian, Sungrow Power Supply Co., Ltd. is a global leader in renewable energy technology. With over 870 GW of power electronic converters installed worldwide, Sungrow is dedicated to clean energy solutions.

In 2006, Sungrow ventured into the energy storage system ("ESS") industry. Relying on its cutting-edge renewable power conversion technology and industry-leading battery technology, Sungrow focuses on integrated energy storage system solutions. The core components of these systems include PCS, lithium-ion batteries and energy management system. These "turnkey" ESS solutions can be designed to meet the demanding requirements for residential, C&I and utility-side applications alike, committed to making the power interconnected reliably.

After 19 years of growth, Sungrow is on the path to becoming the world-leader in supply of ESS equipment and integrated system solutions, with zero security incidents. Last year, Sungrow shipped 28 GWh ESS worldwide, ranging from islands and high altitude plateaus to ports and residential installations.