



# Expected ROI of standalone energy storage project in Belgium 2026

Is Belgium a good place to invest in battery storage?

Belgium is one of the most active and mature grid-scale energy storage markets in Europe, with diversified opportunities for monetising battery storage via flexibility markets and a supportive regulatory regime.

What is the D-Stor battery storage project in Belgium?

A digital illustration of the D-STOR battery storage project in Belgium. Image: BSTOR. 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.

What funding is available for R&I projects in Belgium?

Belgium: Energy Transition Fund. Support for R&I projects for energy. In this context, several publicly funded R&I projects which also include storage, are being performed by Belgian research centres. The funding for energy related R&I projects in 2022 amounts to 25 million EUR.

How will I4b benefit Belgian households?

Commenting on the project, Andre Autrand, CEO of I4B said: "It addresses fundamental challenges related to the security of the electricity supply, balancing the grid, renewable energy development and decarbonization - all of which will benefit Belgian households as well as the industry and economy in general."

When will the Engie project start?

Our experts began their mandate in November 2023. The project consists of two phases, with 100 MW of batteries to be commissioned in September 2025, and another 100 MW slated for January 2026. The ENGIE Group plans to install 10 GW of battery storage worldwide by 2030.

Is ESG financing a Bess project?

In concurrent news, independent power producer (IPP) Energy Solutions Group (ESG) has completed financing and launched construction on its first large-scale BESS project in Harmignies, in the Wallonia region of Belgium. The news was announced by law firm Loyens & Loeff, which advised ESG on the financing.

An estimated 387 gigawatts (GW) (or 1,143 gigawatt hours (GWh)) of new energy storage capacity is expected to be added globally from 2022 to 2030, which would result in the size of global ...

NextEnergy Capital is pleased to announce that NextPower UK ESG has acquired a 29MW, two-hour duration standalone Battery Energy Storage System ("BESS") project called "Rutherglen", marking NPUK's 13th ...

EDP Renewables has started the construction of its first stand-alone battery energy storage (BESS) project in Europe, a milestone that materializes the company's ambition to continue building a multi-technology ...



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DTE expects to execute contracts for projects in its latest energy storage procurement by the first quarter of 2026, it said March 12, 2025. Young777 via Getty Images

The stand-alone energy storage ITC changes the economics of energy storage, but there is not much data on how it impacts a particular project's cash flows or revenues.

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

This storage project will compensate for the intermittency introduced by renewable energies and thus enable their development. Batteries are an effective response to the growing need for grid ...

Strategic Positioning of Key Players GIGA Storage Belgium: GIGA Storage is constructing the Green Turtle battery park in Dilsen-Stokkem, a 700 MW / 2,800 MWh installation. Strategically ...

The lithium-ion battery energy storage system (BESS) was among the first projects to go online using Fluence's Gridstack modular BESS solution and has been working to provide flexibility to Belgium's grid since the ...

Significant investment is also occurring in the UK, where work is set to begin on the world's first commercial liquid air energy storage project in 2025, in addition to a number of BESS, pumped hydro storage, hydrogen ...

of New York. The total amount of energy storage projects in New York State at the end of March 2025 equaled 1,403.2 MW in capacity, consisting of 509.2 MW of deployed ...

Once operational in early 2026, the battery energy storage park in Vilvoorde will be able to store enough surplus renewable energy to power 96,000 homes for four hours.

Aurora Energy Research has endorsed standalone battery investments following favorable results of a study conducted by the research company on the sector's prospects. ...

The revenue stack has recovered in Q2 - Q3 with gas prices & weather normalisation, but the recovery has been more muted than in Germany. This in part reflects greater BESS capacity on the system as well as a less ...

Introduction Battery energy storage presents a USD 24 billion investment opportunity in the United States and Canada through 2025. More than half of US states have adopted renewable energy ...



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Commodities trading company Trafigura has said that it is building a large-scale battery storage plant in Belgium through a newly-launched renewable energy joint venture (JV) ...

Sterling and Wilson Renewable Energy Ltd has secured the EPC contracts for a 1 GWh standalone battery energy storage project in Rajasthan and a 20 MW floating solar plant in Karnataka.

BEYOND 2035 - The capacity gap is expected to grow significantly due to the planned phasing out of nuclear power and the current CRM framework has not yet been validated for this ...

Impact For BESS, CRM represent between 10 to 20% of the revenue. Complex process, complex rules and additional liabilities can frighten BESS developers. Presence of a long-term contract ...

The United States and global energy storage markets have experienced rapid growth that is expected to continue. An estimated 387 gigawatts (GW) (or 1,143 gigawatt hours ...

In Q4 2023, renewable energy company Octopus Investments Australia, which is majority owned by the UK-based Octopus Group, acquired the Blackstone Battery Energy Storage System. With an expected enterprise value ...

The energy storage sector maintained its upward trajectory in 2024, with estimates indicating that global energy storage installations rose by more than 75%, measured by megawatt-hours ...

To assess the impacts of these developments on investment and deal flow, the American Council on Renewable Energy (ACORE) surveyed companies that actively develop or finance U.S. ...

The Spanish government will allocate 280 million euros (\$310 million) for stand-alone energy storage, thermal storage and reversible pumped hydro storage projects, which ...

The project site in Dordrecht, a municipality in the western Netherlands. Image: Dispatch via LinkedIn. Developer Dispatch has begun construction on a 45MW/90MWh battery energy storage system (BESS) ...



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