

# **Belgian container energy storage transformation**





## Overview

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What is the largest battery storage project in Belgium?

Construction has started on what will be the largest battery storage project in Belgium at 25MW/100MWh when completed later this year. Nala Renewables' lithium-ion battery energy storage system (BESS) will come online at metals conglomerate Nyrstar's zinc smelting operation in Balen, in Belgium's Flemish region, by the end of 2022.

Why are battery storage projects taking off faster in Belgium?

Battery storage projects in Belgium have taken off quicker than in the rest of mainland Europe thanks to more storage-friendly market rules. The market has some strong drivers for storage including a lack of grid flexibility and good interconnection with other markets.

Where is TotalEnergies launching the largest battery energy storage project in Europe?

Saft - TotalEnergies launches in Belgium its largest battery energy storage project in Europe. TotalEnergies has launched at its Antwerp refinery (Belgium), a battery farm project for energy storage with a power rating of 25 MW and capacity of 75 MWh, equivalent to the daily consumption of close to 10,000 households.

How does TotalEnergies work in Belgium?

nergies and electricity in Belgium In Belgium, TotalEnergies is a major player in the entire electricity value chain. As an electricity supplier, the company has a portfolio of 450,000 BtC sites and around 100,000 BtB sites. To supply them with energy, TotalEnergies relies in particular on the Marchienne-au-Pont CCGT power plant (430 MW).

Which BESS project has won a capacity auction in Belgium?

It recently scored a win in Belgium's capacity auction held by grid operator



ELIA, one of four BESS projects to do so. It is the joint-largest battery storage project in Belgium under development along with with one in Ruien being developed by a Japanese-Belgian JV, which also won in ELIA's auction.

Who will supply a 40-intensium Max high energy lithium-ion container?

The batteries, 40 Intensium Max High Energy lithium-ion containers, will be supplied by Saft, the battery subsidiary of TotalEnergies, confirming its position as European leader in industrial-scale stationary storage with this project.



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### [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, ...

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### [2.5MW/5MWh Liquid-cooling Energy Storage System Technical ...](#)

The energy storage batteries are integrated within a non-walk-in container, which ensures convenient onsite installation. The container includes: an energy storage lithium iron ...

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2. Flexibility in Moving Energy Storage One of the standout advantages of containerization is the flexibility it provides in moving energy ...

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### [Energy storage \(BESS\): Europe's largest site installed in Belgium](#)

Our technologies offer real flexibility to grid operators, allowing them to store solar or wind energy when demand is low, and draw on the stored energy at times of peak demand. ...



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