

## Kongres Container

# Belgium s energy storage demand in 2025



## Overview

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How much energy does Belgium need?

This conclusion is based on a near-zero sensitivity run. In all three scenarios, Belgium's final energy demand (excluding feedstock) decreases by a third, from over 350 TWh in 2023 to about 250 TWh by 2050. This is mainly due to efficiency gains and electrification of end-user demands such as buildings (use of heat pumps) and road transport.

Does Belgium need a new energy industry?

Belgium clearly has a long way to go with its energy priorities. Most of the clean energy that we use is imported. We really need to build an industry fit for the future with the energy systems to supply it. Belgium will never be a leader in building batteries or solar panels; Chinese industry is far too powerful on this front.

How many GW will Belgium have in 2050?

Build out PV capacity at a steady, high pace, to at least 40 GW by 2050 (up from over 10 GW end of 2023)—averaging 1,2 GW per year. As a reference: in the record year 2023, Belgium added 1,8 GW of new PV capacity. Firm capacity remains important. New gas turbines (CCGTs and CHPs) are required to accommodate the closure of nuclear capacity.

What are the key market trends for battery storage?

It covers key market trends, with a particular focus on the shift toward utility-scale storage, the continuing growth of residential and commercial installations, and the evolving role of battery storage in supporting Europe's clean energy goals.

How much wind will be available in Belgium in 2050?

Grid connections to the mainland and reinforcements within Belgium are essential and at least 3,5 GW offshore wind is made available by 2030. Build

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Is Belgium's energy policy good?

There's no hiding that Belgium's energy policy has not been good throughout the Vivaldi legislature. It was directed by a dogmatic "green" minister [Tinne Van der Straeten (Flemish Greens/Groen) ed. note] who was absolutely determined to close Belgium's nuclear reactors.

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