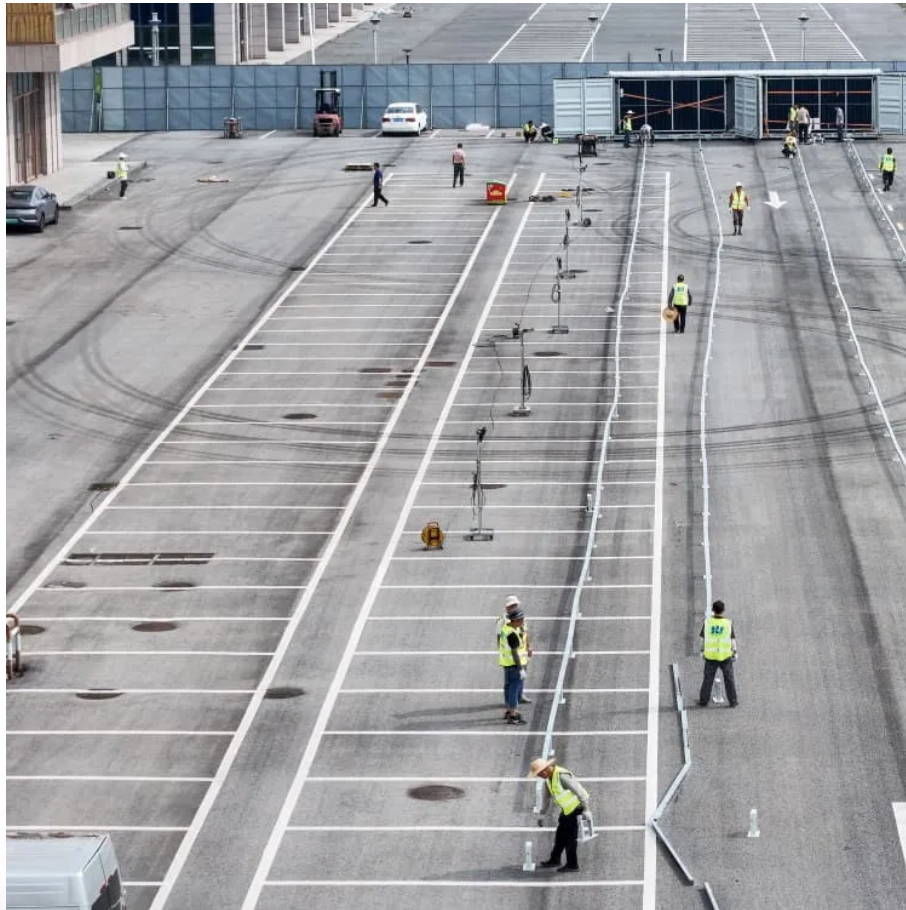


## Kongres Container

# Energy storage pack battery project



## Overview

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Since the official start of construction in February 2025, the project has progressed rapidly, aiming to become an advanced manufacturing base that integrates next-generation lithium battery technology R&D, authoritative battery product testing, and large-scale PACK system integration. What is the largest European battery-based energy storage project?

In May 2023, we launched our largest European battery-based energy storage project at the Antwerp platform in Belgium. With its 40 containers, the site will develop a capacity of 75 MWh, which is equivalent to the daily consumption of almost 10,000 homes.

How does the energy storage system work?

Each energy storage unit is connected to the 35kV distribution unit of the booster station through a 35kV collector line and then boosted to 220kV via a 120MVA (220/35kV) transformer. The project is equipped with an energy management system (EMS) to receive grid dispatching commands and manage the charge and discharge of the energy storage system.

How many battery storage projects will Saft have in 2025?

In March 2025 we announced five new battery storage projects with a total capacity of 221 MWh in the following cities: These projects, piloted by Kyon Energy – acquired by TotalEnergies in February 2024 – will benefit from Saft's latest-generation electricity storage technology (iShift LFP / lithium-iron-phosphate containers).

What makes a good battery pack?

Designing a reliable, safe and efficient battery pack isn't just about selecting the right cells or managing heat, it's about integrating every subsystem into a cohesive, validated system.

What is the largest battery-based energy storage site in France?

Featuring 27 containers, each with a storage capacity of 2.5 MWh, it can maintain power for over 200,000 homes for one hour. With a total storage capacity of 61 MWh, this is the largest battery-based energy storage site in France. The battery-based ESS facility at the Carling platform came on stream in May 2022 and comprises 11 battery containers.

How did Italy break new ground in energy storage?

Italy broke new ground in energy storage with its very first battery storage auction, competitively awarding the full 10 gigawatt. Read more Neoen marks a milestone in Australia's energy transition with the launch of its 164 MW/905 MWh Muchea Battery project and.

## Energy storage pack battery project

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