



MODERNIZATION SOLAR

# Amsterdam backup power storage application





## Overview

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Is Alfen launching its largest battery energy storage system?

Almere, the Netherlands 24 April 2025 - Alfen is proud to announce the launch of its largest battery energy storage system (BESS) project to date with Return (formerly: SemperPower), a leading player in the development of independent large-scale energy storage projects.

Will the Netherlands roll out 9GW of battery energy storage?

"By 2030, the Netherlands must roll out at least 9GW of battery energy storage to secure Europe's balanced energy grid." The sophisticated BESS consists of 144 cutting-edge lithium-ion sealed cells -known as Fluence cubes - boasting a formidable capacity of 90MWh.

Where are Alfen energy storage systems installed?

With a history of innovation dating back to 1937, Alfen's energy storage systems, smart grid solutions, and EV charging stations are installed across more than 30 countries in Europe. The company has been developing energy storage systems since 2011, with installations totalling over 1+ GWh of energy capacity across 11 European countries.



## Amsterdam backup power storage application



### [Amsterdam's Largest Battery Project Supplies Netherlands Grid](#)

Oct 20, 2025 · GIGA Storage has launched Amsterdam's largest battery project, "Giraffe" battery energy storage system (BESS) in Westhaven, marking a major milestone in the city's ...

### [GIGA Storage Launches Amsterdam's Largest Energy Storage ...](#)

Amstelveen, October 20, 2025 - GIGA Storage officially opened its third major energy storage project today. Located in Amsterdam's Western Port Area, this battery is the city's largest. The ...



### [Alfen builds its largest battery system on TenneT's power ...](#)

Apr 24, 2025 · Return extends Alfen partnership with third major battery energy storage system installation in four years. New Alfen 100MW/200MWh system will be one of the largest in the ...

## Johan Cruijff ArenA

Jun 29, 2018 · Johan Cruijff ArenA For this unique project, Energy Storage NL participant Eaton together with Nissan, BAM, The Mobility House and the ...



## [Amsterdam's New Energy Storage Revolution: Powering a ...](#)

Aug 4, 2025 · Why Amsterdam is Becoming Europe's Energy Storage Hub Think of Amsterdam, and you might picture bicycles, canals, and tulips. But behind those postcard-perfect scenes ...



## [The Green Light for the Biggest BESS in the Netherlands](#)

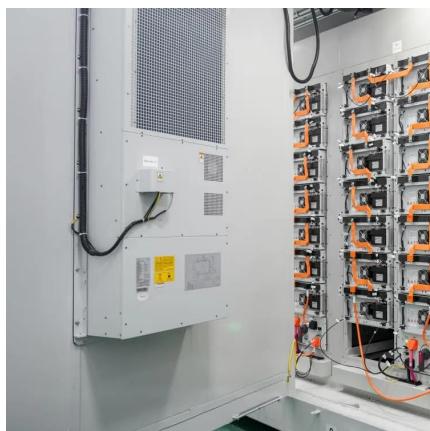
Jan 2, 2025 · Dispatch Grid Services, a promising Amsterdam-based company spearheading battery storage solutions, has begun construction on the highly-anticipated Dordrecht ...



## #Energy storage Projects

Sep 19, 2023 · These solutions will include decentralised renewables (solar photovoltaics), innovative energy storage systems (including second life batteries), waste-to-energy systems

...



### [GIGA Storage launches Amsterdam's largest battery system](#)

Oct 30, 2025 · In Amsterdam's Western Port, the Giraffe battery system has officially come online. Developed by GIGA Storage, the project marks an important move to relieve pressure on the ...

### **GIGA Storage launches Amsterdam's largest sustainable energy storage**

Oct 20, 2025 · GIGA Storage launches Giraffe, Amsterdam's largest battery (10 MW, 47 MWh). The project supports the city's sustainable port area and strengthens the local energy network.



### **GIGA Storage Sets Up Large-Scale Energy Project in Port of Amsterdam**

Oct 21, 2025 · The storage system currently delivers power directly to the national grid, contributing to the balance between supply and demand. GIGA Storage and the Port of ...



## Alfen builds its largest battery system on TenneT's power grid with

Apr 24, 2025 · Return extends Alfen partnership with third major battery energy storage system installation in four years. New ...



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