



# Amsterdam Civilian Energy Storage Products





## Overview

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As Europe pushes toward net-zero goals, Amsterdam has emerged as a testing ground for cutting-edge solutions – from football stadiums doubling as giant batteries to solar-powered bike racks that’d make Van Gogh proud. Let’s unpack how this canal city became the continent’s energy.

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Amstelveen, 20 October 2025 GIGA Storage today officially inaugurates its third large-scale energy storage project. Located in the Westhaven of Amsterdam, the new battery installation—named Giraffe—is the largest in the city, with a power capacity of 10 MW and an energy storage capacity of 47 MWh.

As Europe pushes toward net-zero goals, Amsterdam has emerged as a testing ground for cutting-edge solutions – from football stadiums doubling as giant batteries to solar-powered bike racks that’d make Van Gogh proud. Let’s unpack how this canal city became the continent’s energy storage lab.

In Amsterdam’s Westpoort (Western Gateway or 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 Dutch electricity grid and improve the city’s capacity to store and distribute renewable.

GIGA Storage has officially launched its third large-scale energy storage project. The battery, called Giraffe, is located in Amsterdam’s Western Port Area and, with a capacity of 10 megawatts (MW) and 47 megawatt-hours (MWh), it is the largest in the city. Giraffe consists of twelve Tesla Megapack.

Summary: Amsterdam's new 50MW lithium battery storage system marks a critical step in stabilizing the city's renewable energy grid. This article explores how large-scale storage solutions address intermittency challenges, support smart city goals, and create opportunities for com Summary:.

The 3 megawatt energy-storage system at the Johan Cruijff ArenA is the largest



energy storage system using second-life and new electric vehicle batteries in a commercial building in Europe. This video/playlist could not be loaded, because video/playlist id is invalid. Beginning of dialog window.



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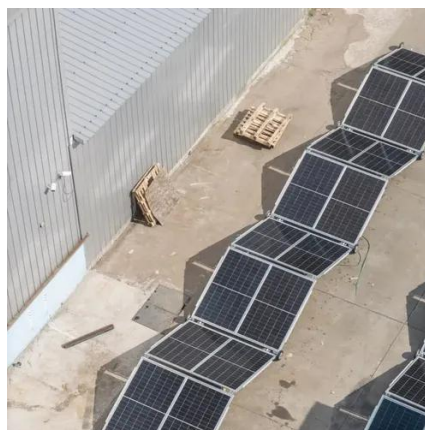


### [Amsterdam Energy Storage Battery Manufacturers: Powering ...](#)

Amsterdam's engineers have developed liquid cooling systems that mimic the city's historic water channels. These "micro-canal" battery racks maintain optimal temperatures between 15-25°C ...

### **Amsterdam Arena success story**

Combining Eaton power conversion units and the equivalent of 148 Nissan LEAF batteries, leveraged by the technology of The Mobility House, the energy storage system not only ...



### **GIGA Storage Launches Amsterdam's Largest Energy Storage ...**

Located in the Westhaven of Amsterdam, the new battery installation--named Giraffe--is the largest in the city, with a power capacity of 10 MW and an energy storage ...

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

As Europe pushes toward net-zero goals, Amsterdam has emerged as a testing ground for cutting-edge solutions - from football stadiums



doubling as giant batteries to solar ...

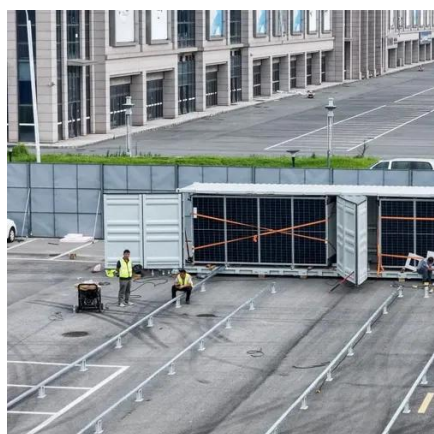
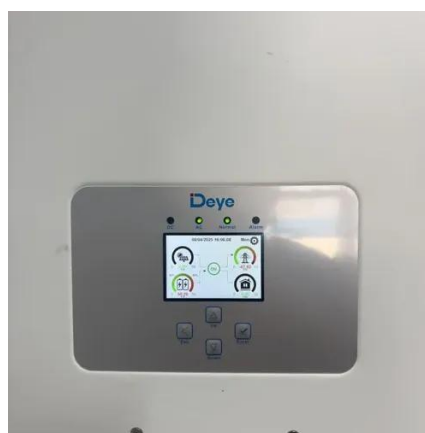


## GIGA Storage launches Amsterdam's largest sustainable energy storage

GIGA Storage has officially launched its third large-scale energy storage project. The battery, called Giraffe, is located in Amsterdam's Western Port Area and, with a capacity ...

## Johan Cruijff Arena

"We designed the energy storage system specifically to meet the needs of the Johan Cruijff Arena. This included designing the power ...



## [50MW Lithium Battery Energy Storage Power Station in ...](#)

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## #Energy storage Projects

Development and implementation of an Energy Storage System with different applications in a stadium that uses 'second life' batteries of Nissan Leaf cars, that generates ...



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

Recent local developments, such as Return's new battery recycling plant, GIGA Storage's large-scale energy systems, and Photon Energy's solar projects, show how ...



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"We designed the energy storage system specifically to meet the needs of the Johan Cruijff Arena. This included designing the power electronics, integrating battery ...



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