

DC Photovoltaic Energy Storage Container for Sports Venues in Amsterdam





Overview

What is the Johan Cruijff Arena energy storage system?

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. The energy storage system provides a more reliable and efficient energy supply and usage for the stadium, its visitors, neighbours and the Dutch energy grid.

How many solar panels can be stored on the arena?

The storage system has a total capacity of 3 megawatts, enough to power several thousand households. This capacity also means that the energy produced by the 4,200 solar panels on the roof of the Arena can be stored and used optimally.

Does Johan Cruijff have energy storage?

The energy storage system at the Johan Cruijff Arena has been officially recognised. xStorage Buildings makes energy storage simple for commercial and industrial building owners and managers. Eaton's mission is to improve the quality of life and the environment through the use of power management technologies and services.



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[V2G/V2B at the Johan Cruijff ArenA in Amsterdam](#)

The project combines a total of 15 new charging stations with the existing 3-megawatt battery storage, consisting of 148 Nissan Leaf batteries, and the 1-megawatt photovoltaic system on ...

[Energy Storage System](#)

Nov 8, 2017 · The Energy Storage System is aiming for the following functionality that generates revenue, cost savings and CO2 reduction: o Primary Control Reserve (PCR) services to the ...



[Dutch soccer stadium runs on sustainable ...](#)

Aug 14, 2024 · Energy storage and smart energy control mean optimum use of the green energy generated by the solar panels. The batteries support ...



[Europe's largest commercial energy storage ...](#)

A massive energy storage system that includes new and used electric vehicle (EV) batteries was built at Amsterdam's Johan Cruijff Arena, the home of ...



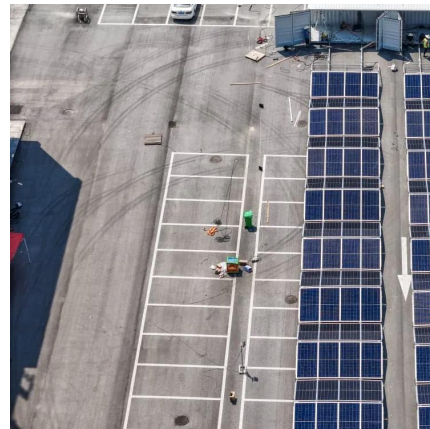
[Dutch soccer stadium runs on sustainable energy](#)

Aug 14, 2024 · Energy storage and smart energy control mean optimum use of the green energy generated by the solar panels. The batteries support the electricity grid and serve as a storage ...



Ajax's stadium is Europe's biggest commercial energy storage site

The stadium of Dutch soccer giants AFC Ajax has become the site of the biggest commercial energy storage system in Europe, thanks to the introduction of a scheme to store electric ...



[Dutch football stadium installs second battery ...](#)

Aug 12, 2024 · A football match held at the largest stadium in the Netherlands last week ran entirely off green energy, following the ...





[Amsterdam ArenA success story](#)

Dec 31, 2020 · The energy storage system plays an important role in balancing the supply and demand of energy at the Johan Crujff Arena. The storage system has a total capacity of 3 ...



[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 ...

[Ajax's stadium is Europe's biggest commercial ...](#)

The stadium of Dutch soccer giants AFC Ajax has become the site of the biggest commercial energy storage system in Europe, thanks to the ...



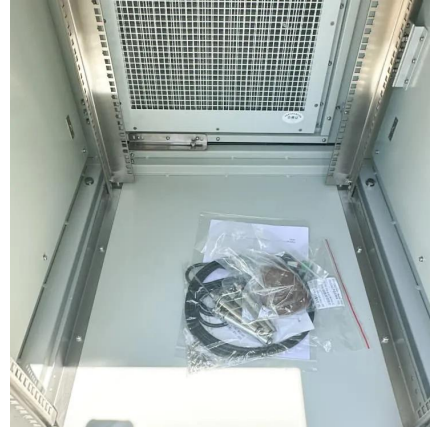
[Step inside Amsterdam's solar-powered stadium](#)

Oct 5, 2021 · A dream realized The arena is a prime example of sustainability at scale. Consider the huge solar-plus-storage system: over 4,200 rooftop solar panels forming part of a one ...



Europe's largest commercial energy storage system using EV ...

A massive energy storage system that includes new and used electric vehicle (EV) batteries was built at Amsterdam's Johan Crujiff Arena, the home of the Dutch football club Ajax.

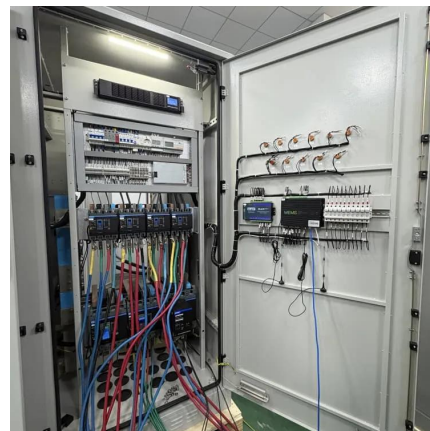


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[Johan Crujiff ArenA's solar panel array](#)

Arcadis designed the solar panel array on Amsterdam's Johan Crujiff ArenA, helping the stadium move forward with the energy transition.



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