

# Amsterdam Energy Storage Container Two-Way Charging



## Overview

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Vehicle-to-grid (V2G) technology has gone into use at Johan Cruyff Arena in Amsterdam, with energy infrastructure installed onsite including a 3MW battery energy storage system allowing visitors to both charge their cars at the stadium and put power back into it. As of today, visitors to Johan Cruijff Arena (JCA) can actively contribute to the power supply of the arena with their electric vehicle - by intelligently integrating their car into the stadium's power grid. This is the next level in innovation to realize the vision of sustainable power generation. Arena named after football legend Johan Cruyff turned to Nissan, Eaton and Mobility House for its greener solution. From left to right: Thomas Raffeiner, CEO The Mobility House; Henk van Raan, CIO Johan Cruijff Arena; Laurens Ivens, Alderman Amsterdam City Council Image: The Mobility House / JCA. Amsterdam Alderman Udo Kock, deputy mayor for Finance and Economic Affairs (Amsterdam) conducted the official opening ceremony. This video/playlist could not be loaded, because video/playlist id is invalid.

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### Johan Cruijff Arena

The storage system has a total capacity of 3 megawatts, enough to power several thousand households. This capacity means that the energy produced by the 4,200 solar panels on ...

### Amsterdam ArenaA success story

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.



### Energy storage in Johan Cruijff Arena is on the grid

Amsterdam Alderman Udo Kock conducted the official opening ceremony. This unique project is the result of collaboration between Nissan, Eaton, BAM, The Mobility House and the Johan ...

## Mega battery

The acclaimed project is the result of the collaboration between Eaton, Nissan, BAM, The Mobility House and the Johan Cruijff Arena, supported by the Amsterdam Climate and Energy ...



## The 3 megawatt energy storage system in Johan

This unique project is the result of collaboration between Nissan, Eaton, BAM, The Mobility House and the Johan Cruijff Arena, supported by the Amsterdam Climate and Energy Fund (AKEF) and Interreg.

## The 3MW battery project at the Amsterdam arena

The 3-megawatt storage system supplies all the energy necessary for the stadium and for the visitors. It is also connected to the Dutch energy grid and can provide electricity to the neighbors ...



## Megawatt charger shared by trucks and vessels in Amsterdam. A ...



Shell has recently inaugurated its first self-developed megawatt charger for dual use by both electric trucks and shipping vessels at the Energy Transition Campus Amsterdam (ETCA).

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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 the roof of the ...



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## Vehicle-to-grid energy storage goes into action at Amsterdam Arena

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## The 3 MegaWatt Energy Storage System in Johan

The energy storage system will provide back-up power, reducing the use of diesel generators, and provide relief to the energy grid by flattening the peaks that occur during concerts.



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