Energy storage for electric vehicles amsterdam

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The Johan Cruijff ArenA is taking the next step on its journey towards making itself sustainable: being Net Positive by 2030. This means that we will be giving back more than we use.

Situated in the Netherlands" biggestmultifunctional stadium, the 3 MW storage system provides more reliable, moreefficient energy supply and consumption for the stadium, visitors, localresidents and the Dutch energy grid. The combination of Eaton"s energydistribution system and the 148 Nissan LEAF batteries ensures not only that theenergy storage system is more sustainable but also that it creates a circulareconomy for electric vehicle batteries.

The acclaimed project is the resultof the collaboration between Eaton, Nissan, BAM, The Mobility House and theJohan Cruijff ArenA, supported by the Amsterdam Climate and Energy Fund (AKEF)and Interreg.

The energy storage system plays a significant role in balancingthe supply of and demand for energy in the Johan Cruijff ArenA. The storagesystem has sufficient capacity to provide several thousand households withelectricity. As a result of this capacity, the energy produced by the >4,200solar panels on the ArenA"s roof can also be stored and used optimally.

The energy storage system providesbackup power, reduces the use of diesel generators and eases the pressure onthe energy grid by smoothing out the peaks that arise during such events asconcerts.

Sustainability is the crux of our strategy. The Johan Cruijff ArenA is one of the most sustainable stadiums in the world and is in the vanguard when it comes to introducing smart innovations such as this unique energy storage system.

AMSTERDAM – Today the largest European energy storage system using second-life and new electric vehicle batteries in a commercial building was made live. 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 Cruijff ArenA, supported by the Amsterdam Climate and Energy Fund (AKEF) and Interreg.

The 3 megawatt storage system provides a more reliable and efficient energy supply and usage for the stadium, its visitors, neighbors and the Dutch energy grid. Combining Eaton power conversion units and the equivalent of 148 Nissan LEAF batteries, the energy storage system not only enables a more sustainable energy system, it also creates a circular economy for electric vehicle batteries.

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For more information about Nissan Motor Co., Ltd."s products, services and our commitment to sustainable mobility, visitNissan-Global . Follow us onFacebook,Instagram,TwitterandLinkedIn, and view our latest videos on .

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The energy storage system plays an important role in balancing supply and demand of energy in the Johan Cruijff ArenA. The storage system has a total capacity of 3 megawatt, 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 also be stored and used optimally. 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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