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# NISSAN INTELLIGENT MOBILITY *INTELLIGENT INTEGRATION*

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# INTRODUCTION

Lead new businesses beyond Nissan EV cars

## 1. Mobility

*Lead the electrification  
of mobility*



## 2. Vehicle To Grid

*Create and lead the  
electric vehicle grid  
integration market (V2G)*



## 3. Energy Stationary Storage

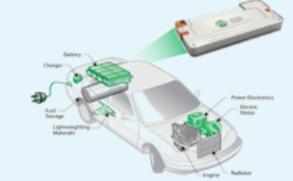
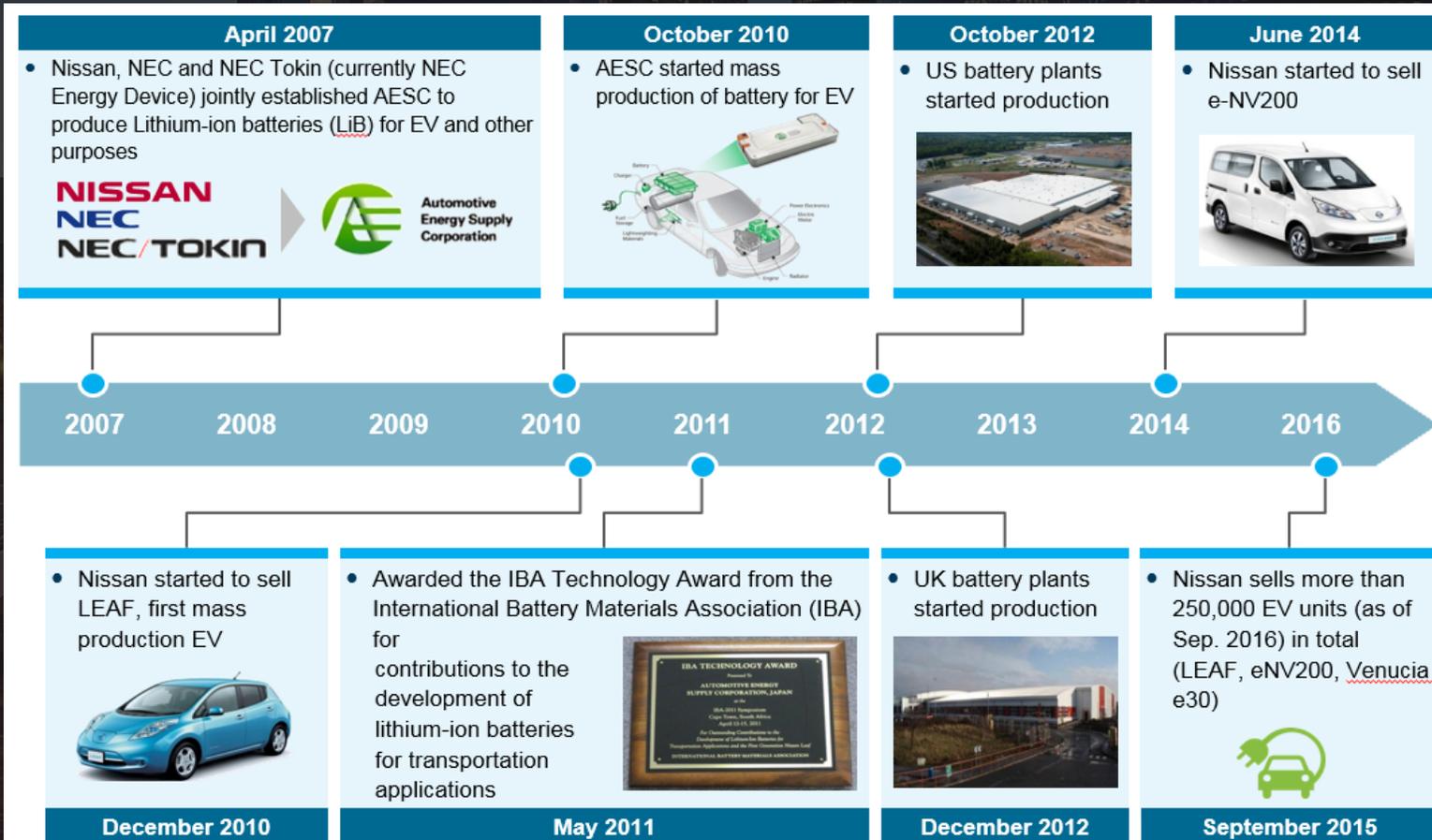
*Commercialize the most  
advanced energy storage  
solutions*





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# HISTORY





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# HISTORY

Critical malfunction (i.e. thermal, safety)

**0** trouble



**250,000+ vehicles**



250,000+ packs

=



12 million modules

=



48 million cells



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# CONNECTING CARS TO OUR DAILY LIFE...

Nissan is innovating beyond the products themselves to apply its technology to sectors outside of the automotive industry in order to make the city of the future a reality today



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# ... FOR A BETTER FUTURE

By networking cars, individuals and social infrastructure, Nissan will contribute to cleaner air, a greener planet and fewer fatalities on the road



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# ENERGY MANAGEMENT

By transforming 100% electric vehicles into clean mobile power units and car batteries into energy storage solutions, Nissan, together with its partners Enel & Eaton, is redefining the way the society is looking at energy management



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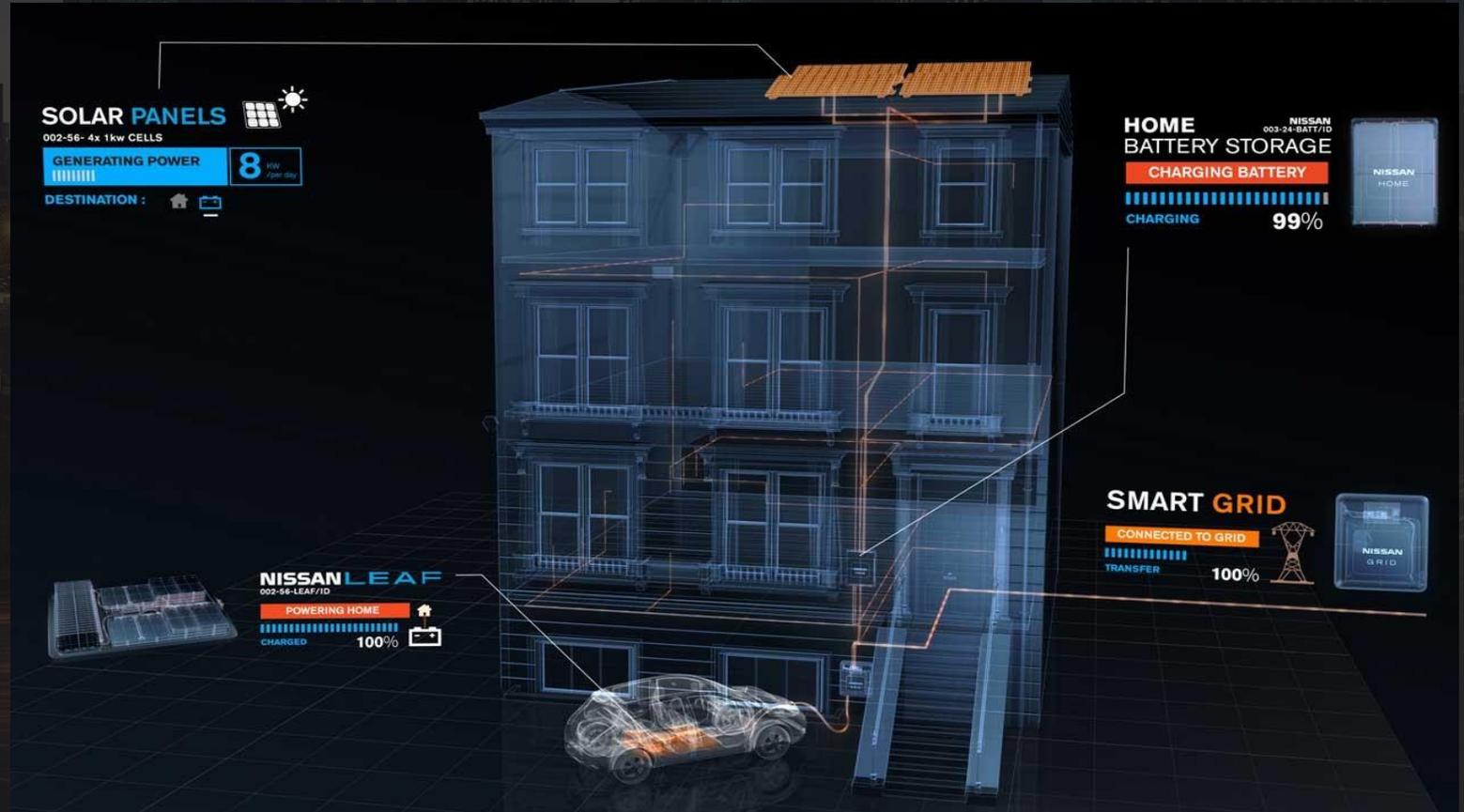




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# ENERGY MANAGEMENT

## Nissan's Fuel Station of the Future





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# IT ALREADY STARTED



## xStorage HOME

Mass market residential energy storage:

- Nissan LEAF 2<sup>nd</sup> life batteries
- Solar inverter & battery integrated
- Back-up power
- Grid-feed functionality allowing grid stabilisation services



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# IT ALREADY STARTED



## Vehicle to Grid

Disrupting the energy market.

“POWER TO THE PEOPLE”:

- When not used for mobility your Nissan will become a grid energy hub
- Generate additional revenues
- Make renewable energy affordable

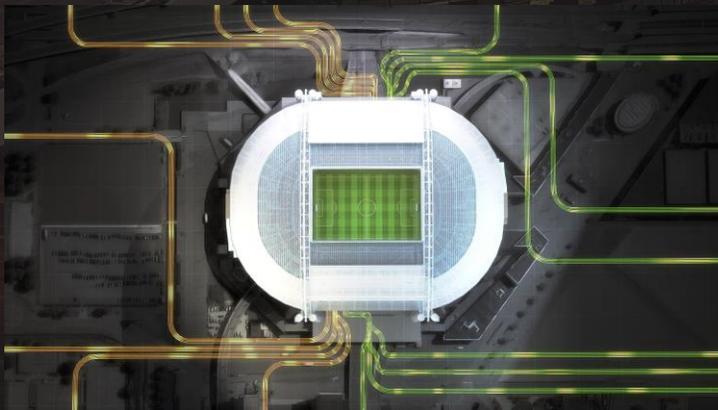


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# IT ALREADY STARTED

## Amsterdam ArenA

- 4mWh stationary storage for self consumption, stability, energy trading
- Nissan, Eaton and The Mobility House have developed an energy storage system that makes the energy management of the Amsterdam ArenA more efficient, sustainable and reliable
- The system uses Eaton's bidirectional inverters and the equivalent of 280 2<sup>nd</sup> life Nissan LEAF batteries





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# QUESTIONS?

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