



Nissan and Eaton power ahead with second-life battery system

NISSAN AND EATON POWER AHEAD WITH SECOND-LIFE BATTERY SYSTEM

- **Nissan partners with Eaton to provide a sustainable system for battery reuse**
- **The partnership announcement comes as further evidence of Nissan's commitment to COP21 – the 2015 Paris Climate Conference**
- **Nissan is paving the way to a sustainable, zero-emissions future for their customers and future generations**

PARIS 8th December 2015: Nissan today announced a landmark partnership with power management specialists, Eaton to ensure that the batteries that power electric vehicles work to mitigate the impact of climate change long after the life of the car.

Nissan and Eaton will combine their respective expertise in lithium-ion batteries and power electronics respectively, to bring reliable and cost-competitive energy storage and control technologies to the market.

The partnership will focus on creating commercially viable energy storage and control centres that will provide a sustainable 'second life' for Nissan's lithium-ion batteries after their automotive usage. With more than 70 years of electric vehicle heritage and over 50 years of experience in power electronics, Nissan and Eaton are primed to take on the challenge.

Robert Lujan, Electric Vehicle Director, Nissan Global: "The batteries as power storage units far outlast the typical life of a car. In order to bring a commercially viable solution to the market, it requires not only the battery expertise of Nissan, but also the experience in power management, control and integration that Eaton offers. This partnership is the first step in delivering a real world system for our customers in the near future."

The first module to be deployed will combine second-life LEAF batteries with Eaton's uninterruptible power supply (UPS) technology and solar PV to create a stand-alone energy storage and control package that will allow customers to manage energy consumption and supply, whilst connected to, or independent of, the grid.

The storage and control module will offer an affordable, long-term method for harnessing clean energy, further facilitating the deployment of renewable energy and increased grid stability and efficiency.

"Having produced our own batteries, at our leading manufacturing sites worldwide, for many years; we will now be able to expand the life of our automotive batteries therefore reducing the need to use additional resources from the planet to produce new batteries" highlighted Lujan.

Cyrille Brisson, Vice President Marketing, Eaton Electrical EMEA: "These systems will really facilitate the wider adoption and deployment of renewable generation; giving people greater control over their energy supply and consumption.

"The wide-ranging benefits of such a unit include continuity of supply, increased grid stability and efficiency, avoidance of peak energy tariffs and a reduction in the reliance on expensive fuels like diesel to compensate for no-grid or poor-grid situations."

The partnership announcement was made during the United Nations Framework Convention on Climate Change (COP21), for which the Renault-Nissan Alliance is providing a fleet of two hundred 100% electric vehicles, including the best-selling Nissan LEAF, for participants.

Once again demonstrating Nissan's commitment to identifying and implementing technologies to pave the way towards a Zero Emissions future; the new Nissan LEAF 30 kWh, has an extended range of up to 250 km on a single charge - enough for the average owner to enjoy an extra day of driving each week.

For more information about Nissan products, services and the brand's commitment to sustainable mobility, visit www.nissan.eu/experience-nissan.html

NOTES TO EDITORS:

About Nissan LEAF 30 kWh battery

The LEAF's new 30 kWh battery's higher performance is a result of an update to its internal design and chemistry. The introduction of carbon, nitrogen and magnesium to the electrodes improves performance, while the change to the cell layout also contributes to the gain. Indeed, Nissan is so confident about the performance and reliability of the 30 kWh battery that the capacity will be covered by an eight-year, 100,000-mile warranty.

About Nissan in Europe

Nissan has one of the most comprehensive European presences of any overseas manufacturer, employing more than 17,600 staff across locally-based design, research & development, manufacturing, logistics and sales & marketing operations. Last calendar year Nissan plants in the UK, Spain and Russia produced more than 675,000 vehicles including award-winning crossovers, small cars, SUVs, commercial vehicles and electric vehicles, including the Nissan LEAF, the world's most popular electric vehicle with 96% of customers willing to recommend the car to friends. Nissan now offers a strong line-up of 23 diverse and innovative models in Europe under the Nissan and Datsun brands.

About Nissan Motor Co.

Nissan Motor Co., Ltd., Japan's second-largest automotive company, is headquartered in Yokohama, Japan, and is part of the Renault-Nissan Alliance. Operating with more than 247,500 employees globally, Nissan sold 5.32 million vehicles and generated revenue of 11.38 trillion yen (USD 103.6 billion) in fiscal year 2014. Nissan delivers a comprehensive range of more than 60 models under the Nissan, Infiniti and Datsun brands. Nissan leads the world in zero-emission mobility, dominated by sales of the LEAF, the first mass-market, pure-electric vehicle. It is the best-selling EV in history with almost 50% share of the zero-emission vehicle segment.