

Press release

**Nidec ASI wins second major energy storage contract for a wind farm to harness the power of the wind**

*New energy storage system to improve the predictability of wind farm generated electricity*

MILAN, July 2017 - Nidec ASI, multinational lead subsidiary of Nidec Group's Industrial Solutions division, reaches another milestone in the field of renewable energy in Martinique (French overseas territory), confirming itself as a champion of sustainability.

On the island of the French Antilles, one kilometer from the town of Grand-Rivière, the company will contribute to the construction of an annual production site of approximately 40GWh by coupling an energy storage system with a new wind farm of 14MW. This is the Grand Rivière Éolien Stockage Services project (GRESS) which includes 7 wind turbines of 2MW of unit power

The new plant will be equipped with a sophisticated Energy Management System (EMS) that will allow the network operator to accurately estimate and respect the forecast of electricity production in order to achieve greater stability and maximize energy input to the grid.

Energy storage is a mainstay for the integration of renewable energy resources, and Nidec ASI is already a leader in the sector. The 5MW/5MWh Battery Energy Storage System (BESS), is composed, in addition to batteries, with a Power Conversion System (PCS), a Power Management System (PMS) and Energy Management System (EMS).

The energy storage systems, which have already demonstrated tangible improvements in the management of photovoltaic plants, are now winning over the wind power market, in which generation interruptions are even more frequent and substantial, leading to greater management issues.

The main innovation of the project will be the ability to very precisely predict electricity production, raising forecast accuracy from 70% to 90% and significantly improving the flow of energy through the grid.



“We consider this project”, concludes the Chief Executive Officer of Nidec ASI, Giovanni Barra, “a significant milestone in the consolidation of our leadership in the renewable energy sector, which is in constant growth globally”.

***Nidec ASI** changed its name in 2012, when Nidec acquired the company Ansaldo Sistemi Industriali (ASI). Worldwide, the company delivers customized solutions for an extensive range of industrial applications. It operates in markets involving petrochemical, traditional and renewable energy production, iron and steel, naval and industrial automation sectors. The multinational is specialized in heavy industrial applications demanding high power and high performance, including electric motors and generators up to 65 MW (87,000 horsepower), inverters and electronic power converters, automation and industrial process management software, power plant and hydroelectric generator retrofitting and integrated systems for renewable electricity production and management of connections with national grids.*