Industrial microgrids malabo

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MALABO, Equatorial Guinea, June 5, 2014 /PRNewswire-USNewswire/ -- The government of Equatorial Guinea has announced that it will install a self-sufficient solar microgrid project in Annobon Province in partnership with three American companies: the consulting firm MAECI Solar, GE Power & Water and Princeton Power Systems.

"The solar microgrid will feature 5-MW solar modules and system integration by MAECI, an energy management system and controls from Princeton Power Systems and energy storage from GE," MAECI said in a news release.

This project will be Africa"s largest self-sufficient solar microgrid and will bring significant benefits to the West African nation. It will supply Annobon Island with reliable, predictable power and will supply enough electricity to handle 100 percent of the island"s current energy demand.

Chris Massaro, senior vice president of MAECI said that the project would both raise the quality of life and advance the Equatoguinean government"s goal of diversifying the economy.

"The Annobon Electrification Project will be the platform for economic growth on the island by bringing a much needed power supply that will enable the development of multiple industries, add 700 to 1,000 direct and indirect jobs to Annobon Island and significantly raise the standard of living," said Massaro.

Annobon Province consists of tiny Annobon Island and has a population of 5,000. The Annobon Province currently has reliable electricity for only a few hours a day, but the solar microgrid aims to provide electricity 24 hours a day, seven days a week.

The project is a part of Equatorial Guinea"s National Economic Development Plan Horizon 2020, which aims to make Equatorial Guinea an "emerging economy" and accelerate its development and democratization by 2020."

About Equatorial Guinea The Republic of Equatorial Guinea (Rep?blica de Guinea Ecuatorial) is the only Spanish-speaking country in Africa, and one of the smallest nations on the continent. In the late-1990s, American companies helped discover the country"s oil and natural gas resources, which only within the last five years began contributing to the global energy supply. Equatorial Guinea is now working to serve as a pillar of stability and security in its region of West Central Africa. The country hosted the 2011 Summit of the African Union. For more information, visit

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This review aims to consolidate recent advancements in power control within microgrids and multi-microgrids. It specifically focuses on analyzing the comparative benefits of various architectures concerning energy sharing and demand cost management. The paper provides a comprehensive technical analysis of different architectures found in existing literature, which are designed for energy management and demand cost optimization. In summary, this review paper provides a thorough examination of power control in microgrids and multi-microgrids and compares different architectural approaches for energy management and demand cost optimization.

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