

How will a battery energy storage system benefit Curaçao?

The implementation of a Battery Energy Storage System will allow Curaçao to collect energy from renewable sources such as wind and solar energy and store it using advanced battery storage technologies. This stored energy can be released to mitigate the intermittency of wind power and ensure grid stability.

Will Wärtsilä supply the Caribbean island of Curaçao with a battery energy storage system?

WILLEMSTAD, Curaçao, May 20, 2024 (GLOBE NEWSWIRE) -- Technology group Wärtsilä will supply the Caribbean island of Curaçao with a 25 MW /25 MWh Battery Energy Storage System (BESS).

Will Aqualectra revolutionize energy management in Curaçao by 2030?

As a part of Aqualectra's ongoing efforts to continue improving its services and better serve the people of Curaçao, this agreement aims to fully revolutionize energy management in Curaçao by 2030, ensuring reliable, affordable, and sustainable energy for the island.

What are the economic benefits of Aqualectra's energy management system?

This system also brings us a myriad of economic benefits, such as a cutback in peak demand charges and low electricity bills for consumers and businesses in Curaçao. In addition to the Battery Energy Storage System, Aqualectra has also acquired an Energy Management System to further improve energy production and distribution.

When did Aqualectra start negotiating a battery energy storage system?

Negotiations for this Battery Energy Storage System began in January of this year, when Aqualectra's management team traveled to the Wärtsilä headquarters in Finland with a vision, firm determination and clear objectives to make it all happen.

System integrator Wärtsilä will provide the state-owned utility on the Caribbean island of Curaçao with a battery energy storage system (BESS) of 25MW/25MWh. The project will help the island nation's main utility Aqualectra to expand renewable energy capacity and reduce carbon emissions.

We focus on energy storage and transportation, and believe hydrogen will become important. We develop better mobility with electric batteries and our super-battery offers a green alternative. Our VDL-E-Power-technology is composed of both vehicles and chargers, creating a sustainable system. Batteries are reused to store energy for our partners.

Earlier this year, Aqualectra placed an order with Wärtsilä for a Battery Energy Storage System

(BESS), as well as Wärtilä"s GEMS Digital Energy Platform. The combined system will enable the expansion of renewable energy capacity, representing an important step towards a sustainable energy future for the island.

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Whether you need new electrical systems or IT service in Curaçao or wiring installed, or for us to troubleshoot an existing problem, our Technicians have you covered! Our Mtechnicians contractors have over 10 Years of experience, and we tailor the best solution for your technology needs at a highly affordable rate.

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The IEA claims that the massive energy demand is increasing faster than renewable sources. It was 1% in 2020, and by 2022, it is expected to increase by around 5%. As an intermittent renewable energy source, large-scale electricity storage has gained significant attention. Because of shortages of gas and coal and the fast-rising demands to sustain in some huge markets, ...

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Our track record comprises 79 GW of power plant capacity, of which 18 GW are under service agreements, and over 125 energy storage systems, in 180 countries around the world. ...

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energy future for the island.

The combination of Wärtsilä's BESS and GEMS solutions, supported by the new power plant, will provide grid stability and reliability, reduce unserved energy, and help mitigate the risk of brownouts and blackouts.

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