



Specific energy storage applications honduras

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A major sustainable energy transition is happening in the Caribbean. Heavy fuel-based economies and vulnerability to extreme weather see the region pushing for greater resiliency and energy security. Upgrades to existing infrastructure are supporting the increased demand for energy capacity brought by tourism. So is the case off the northern coast of Honduras on the island of Roatan, where a robust sustainable energy investment strategy is accelerating the region's clean energy transition.

These energy optimisation capabilities have increased the reliability of the system, as well as prepared the Roatan hybrid power system for a shift to large-scale renewables integration. It is expected that by the end of 2021, more than 20% of the delivered island energy will come from renewable sources.

Smart energy storage system that provides virtual spinning reserve capacity to maintain the stability of the grid, particularly important for the energy security of an island grid.

Tertiary control of GEMS energy management platform that optimises the entire hybrid system, including existing power plant with Wärtsilä engines, as well as solar PV and wind.

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