Ecuador micro energy storage

Ecuador"s energy crisis, driven by droughts affecting hydroelectricity, highlights the potential of residential solar systems and battery storage for energy independence and sustainability.

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In late August, the Gransolar-Total Eren consortium secured a 25-year concession in Ecuador"s tender for the construction and operation of a 14.8-MWp solar PV farm, 40.9 MWh of battery storage, a transmission line and a micro-grid control system. For the duration of the tender, the project was known as Conolophus.

The E-Quator Energy project will combine a 14.8 MWp solar photovoltaic plant with a 40.9 MWh electricity storage capacity. Located in the Galápagos Islands, declared by UNESCO as a Natural World Heritage Site, the project will enable an increase of the share of renewables in the local electricity consumption from 15% to up to 70%.

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energy storage systems ...

Activity 1: Assess the potential to develop large-scale battery storage systems in Ecuador to balance the grid and store renewable energy. Activity 2: Develop a green hydrogen strategy to support decarbonization efforts and meet its NDC targets by 2030.

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