## SOLAR PRO.

## Island green power Uruguay

A combination of hydroelectricity, wind, solar, photovoltaic and biomass, among others, has helped to power Uruguay's rapidly diversifying energy grid since then. According to UTE, the state-owned electricity provider, 96 percent of all energy generated in Uruguay comes from renewable sources.

In a typical year, 98% of Uruguay's grid is powered by green energy. How did it get there? It involved a scientist, an innovative approach to infrastructure funding, and a whole lot of wind.

Over nearly a decade, Island Green Power has successfully developed more than 1 GW of renewable energy assets and secured a diverse development pipeline with a combined capacity of 11 GW. Macquarie Asset ...

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Over the course of about a decade, Uruguay, under the stewardshi­p of Galain, installed about 50 windfarms across the country, decarbonis­ed the grid and bolstered its hydropower. The biggest challenge, however, was to change the "narrative" about renewables.

Until 2007, Uruguay was strapped for energy resources that forced it to rely on importing energy from South American neighbors. That has changed. Today, 98 percent of the country's power is delivered reliably and affordably from renewable sources.

The country tends to produce a surplus of renewable energy, which allows it to export green electricity elsewhere. In 2021, Uruguay generated 14.04 TW of electricity (a 20% increase from 2020), 1119 TW for internal ...

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internal demand and exported 2,200 MW to Brazil plus 627 MW to Argentina, according to US International Trade Administration data.

In terms of actual power generation, 94% of Uruguay's electricity was generated from renewable sources in 2020; fossil fuels, which generated nearly 40% of Uruguay's electricity a decade ago, now account for a much smaller fraction. Greenhouse gas emissions targets

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