



PACIFIC ENERGY

PRESS RELEASE

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PACIFIC ENERGY BATTERY GIVES CORAL BAY RENEWABLES-ONLY POWER OPTION

The pristine north-west tourism town of Coral Bay in Western Australia can be powered emissions-free when conditions are right thanks to a battery energy storage system (BESS) from **Pacific Energy**.

When weather conditions are favourable, the power needs of the community can be met entirely by three 275kW wind turbines working together with the 576kW battery. Pacific Energy's sophisticated control systems work to turn off all diesel power generation when renewable generation is sufficient, and then seamlessly re-engage it when required.

The Coral Bay project was awarded to Hybrid Systems Australia, Pacific Energy's specialist integrated renewables subsidiary, by WA government-owned energy provider Synergy with works recently completed.

Hybrid Systems' scope of works included an initial control system upgrade at Synergy's power station to accommodate the integration of the BESS with the diesel and wind generation, in parallel with BESS procurement, factory acceptance testing, site installation and commissioning.

Hybrid Systems Australia Executive Director Mike Hall described the fully integrated wind-diesel-BESS facility at Coral Bay as a ground-breaking achievement. It was also a further demonstration of Hybrid Systems Australia's strength as a provider of reliable renewable power integration services to achieve significant emissions reductions for utility customers.

"We are very pleased to have been involved in this innovative project which met the objectives of Synergy and Horizon Power to reduce emissions and improve reliability for the town of Coral Bay through our integrated Lithium BESS solution," Mr Hall said.

"This project is also in line with our own business objective of providing the latest in energy technology to address the challenges experienced by regional and remote customers by delivering high penetration renewable energy solutions and at the same time improving reliability of supply. This project follows our own success at Tellus' Sandy Ridge project where our microgrid can also power the entire facility in "hydrocarbons off" mode during daylight hours on a daily basis under a 15-year Power Purchase Agreement."

It also follows this year's award of five BESS units to Hybrid Systems across regional towns for WA regional power utility Horizon Power. Hybrid Systems will supply and install BESS at existing Horizon Power facilities in the towns of Carnarvon, Marble Bar and Yungngora, while fellow Pacific Energy subsidiary Contract Power's existing power purchase agreements with Horizon Power have been expanded to integrate BESS into Wiluna and Yalgoo, using Hybrid Systems' expertise.

Mr Hall noted work was also progressing well with Hybrid System's project to build Australia's first renewable hydrogen energy plant in a remote microgrid for Horizon Power in the town of Denham in WA's Shark Bay World Heritage area.

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Site works commenced in Denham this month with a sod-turning ceremony by Hydrogen Industry Minister Alannah MacTiernan and Horizon Power to accommodate the installation of the solar farm and commencement of works at the secondary site for the power infrastructure upgrades to accommodate the hydrogen and BESS installations.

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Notes to Editors:

- **Hybrid Systems Australia** is a West Australian company specialising in Build Own Operations (BOO) or Design and Construct (D&C) inclusive of all aspects of design, procurement, manufacturing, installation, commissioning and operations of remotely located hybrid renewable energy systems. This includes systems with varying combinations of Solar PV, Wind, Stand Alone Power Systems (SPS), Battery Energy Storage Systems (BESS), Hydrogen and back-up thermal generation.
- Hybrid Systems Australia is **Pacific Energy Pty Ltd's** specialist integrated renewables subsidiary. It was purchased by Pacific Energy in May 2020. Pacific Energy is owned by funds advised by **QIC**, formerly the Queensland Investment Corporation. QIC has a long-standing commitment to sustainability.
- Hybrid Systems Australia's innovative microgrid delivered a world-first for a remote processing facility late last year by providing all power for daylight needs using solar energy and battery integration at **Tellus Holdings'** Sandy Ridge geological repository facility 240km north-west of Kalgoorlie. See <https://tellusholdings.com/sandy-ridge-celebrates-clean-green-energy-milestone/>
- For more on Pacific Energy's work for **Horizon Power** integrating BESS to power five WA regional towns see <https://www.horizonpower.com.au/our-community/news-events/news/more-customers-to-access-renewable-energy-through-bess/>
- For more on Hybrid Systems Australia's work on Horizon Power's hydrogen demonstration plant in Denham see <https://www.horizonpower.com.au/our-community/news-events/news/site-works-begin-on-game-changing-community-hydrogen-project-in-the-remote-gascoyne/>. For the ministerial statement from Hydrogen Industry Minister Alannah MacTiernan see <https://www.mediastatements.wa.gov.au/Pages/McGowan/2021/05/Works-begin-at-Australias-first-regional-renewable-hydrogen-plant.aspx>
- Horizon Power plans to deliver 18 projects across more than 110 sites, improving energy services, access to green energy and creating local jobs and business opportunities across regional WA. See more at <https://renewtheregions.com.au>
- For more on **Synergy**'s wind energy projects including Coral Bay see <https://www.synergy.net.au/About-us/Who-we-are/What-we-do/Electricity-generation/Wind-energy>

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Captions for attached images:

1. Hybrid Systems Australia Executive Director Mike Hall
2. NATURE POWER: Hybrid Systems Australia's 576kW battery and control systems help Synergy use wind energy to power the remote north-west coastal town of Coral Bay in WA (Please credit Suzanne Long/Alamy Stock Photo).