

ContainerPower Energy Solutions

Papua New Guinea Power Base Station Project



Overview

The project will support the strengthening and expansion of the transmission and distribution system within the main power grids of PNG Power Limited (PPL) by (i) expanding and upgrading transmission lines and substations in Gazelle, Ramu, and Port Moresby; (ii) building new low- and medium-voltage power distribution lines in Gazelle, Ramu, and Port Moresby, and mini grids in West New Britain; and (iii) strengthening the capacity of PPL, including in grid modelling and planning, procurement and implementation, utility operation, and financial management. What is PNG Power's new hydropower plant?

As part of PNG Power Limited's Fifteen Year Power Development Plan (2016-2031), the project is also significant from an environmental viewpoint as it replaces diesel-generated power. Located in Papua New Guinea's Morobe province, the new hydropower plant involved the design and construction of several bespoke components including:

Where is the new Papua New Guinea hydropower plant located?

Located in Papua New Guinea's Morobe province, the new hydropower plant involved the design and construction of several bespoke components including: A power station containing two 5.6 MW Pelton turbines. SMEC was appointed by PNG Forest Products to provide the tender design, tender documentation and tendering.

What is Papua LNG project?

Papua LNG Project led by TotalEnergies (40.1%) with ExxonMobil (37.1%) and Santos (22.8%) aims to develop Papua New Guinea's gas reserves (over 1 billion barrels of oil equivalent). Early works are on track for 2024. Final Investment Decision (FID) is targeted for 2025, with a potential production start-up in 2026.

How Papua LNG is re-injecting CO2?

By selecting e-trains and re-injecting the native CO2 produced into the reservoirs, Papua LNG demonstrates its commitment to the reduction of the

carbon intensity of the project. The construction and operation of the electrical liquefaction trains will be delegated to ExxonMobil, operator of the PNG LNG project since 2014.

Is the PAPUA LNG project moving closer to a final investment decision?

The Papua LNG project is moving closer to a final investment decision. Credit: TotalEnergies A final investment decision (FID) on the Papua LNG project is likely in the next 12 months, according to TotalEnergies EP PNG Managing Director Arnaud Berthet.

Is Papua LNG project on track for 2024?

Early works are on track for 2024. Final Investment Decision (FID) is targeted for 2025, with a potential production start-up in 2026. The project holds economic benefits for PNG and aims to serve Asian energy markets. Papua LNG Project by TotalEnergies: Timeline update for 2024, 2025 & beyond. Early works in 2024, FID targeted for 2025.

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