

Specific energy storage applications port moresby

The US\$19 billion PNG LNG Project is an integrated development that includes gas production and processing facilities that extend from Hela, Southern Highlands, Western and Gulf provinces to Port Moresby in Central Province.

Our facilities are connected by over 700 kilometres of onshore and offshore pipeline and include a gas conditioning plant in Hides and a liquefaction and storage facility near Port Moresby.

Liquefied Natural Gas (LNG) production began in April 2014, months ahead of schedule. Since then we have been reliably supplying LNG to four long-term major customers in the Asia region including:

Our operations have the capacity to produce more than 8.3 million tonnes of LNG, an increase of 20 percent from the original design specification of 6.9 million tonnes per annum (MTA). Over the life of the Project we estimate that the PNG LNG Project will produce more than 11 trillion cubic feet of LNG.

ExxonMobil 33.2%, Oil Search (Australian oil and gas producer - 29%), Santos (13.5%), Nippon Oil (4.7%), National Petroleum Company PNG (PNG Government - 16.6%), Mineral Resource Development Corporation (2.8%), Petromin PNG Holdings (0.2%)

The new gas discoveries are the Hides, Angore and Juha gas fields, which are likely to have reserves approaching three to four trillion cubic feet. The three fields supply gas for the Asian market via a pipeline to a two-train LNG facility constructed at Napa Napa, near Port Moresby.

The project was underpinned by InterOil's Elk / Antelope field infrastructure (not yet fully proven). The facility is supplied using a 36in (910mm) natural gas pipeline.

It is believed there could be a further two trillion cubic feet of gas, or 400 million barrels of oil equivalent, waiting to be discovered in Papua New Guinea (PNG), which could require a phase two development of a third LNG train in the future.

LNG cargoes started in April 2014. The PNG LNG project has a lifespan of approximately 30 years (until 2043). It is estimated to produce nine trillion cubic feet of gas.

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