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## Brunei LNG 40 years

Substantial gas reserves were discovered beneath the waters of Brunei Darussalam in the 1960's. At first, Brunei Darussalam's distance from potential markets threatened the viability of development, as reserves of this scale were typically piped to nearby customers. Gas liquefaction technology was in its infancy, and there was little experience shipping liquid-gas over long distances. Despite these uncertainties, the country pioneered a development that would change the gas industry and the world energy scene.

The Liquefied Natural Gas (LNG) plant in Brunei, the first in the Western Pacific, was completed in 1972. The project was an ambitious joint venture between the Government of His Majesty the Sultan and Yang Di-Pertuan of Brunei Darussalam, Shell Overseas Holdings Limited and Mitsubishi Corporation.

In 1972, the custom-built LNG carrier, the **GADINIA**, made the first long-distance ocean voyage of its kind to deliver Brunei LNG's first cargo to the Osaka Gas Corporation terminal in Japan. Ventures modeled on the Brunei LNG project were subsequently developed in Indonesia, Malaysia and Australia.

The 130-hectare Brunei LNG plant was designed to service the projects original 20-year supply commitment. In 1993 B\$500 million dollars was invested in a major facility rejuvenation to extend the plant life. In the same year, Japanese buyers extended their Sales and Purchase Agreement for another 20 years. A year later, South Korean customers made a short-term agreement, which led

to long-term contracts from 1997 onwards. In 2004, Brunei LNG embarked on a second major plant rejuvenation project which was completed in 2010, and extends the plant life by another 60 years.

Natural gas is now Brunei Darussalam's major revenue earner. Annually, more than 6.71 million tonnes of LNG is shipped to long-term customers in Japan and South Korea in an operation that has remained on schedule for more than

30 years, delivering some more than 5000 cargoes (approximately 193 million tonnes) of LNG.

Sources: [http://www.blng.com.bn/about\\_history.htm](http://www.blng.com.bn/about_history.htm)



**ABADI** (LNG tanker)  
 Brunei #625a (2010) 40c  
**2002 – Brunei Gas Carriers Sendirian Berhad, Muara, Brunei** (Shell International Trading Mngs.); Mitsubishi Heavy Ind., Ltd., Koyagi Shipyard, Nagasaki, Japan (yard No. 2163); O. March 22/99, K. Nov. 24, 00; L. June 1/01, C. June 13, 02; Gt. 117,461, nt. 33,438, dwt. 72,758; 290m x 46.28m x 25.5m, 11m (draught); one Mitsubishi steam turb. w/flexible coupling to single shaft, 28,985bhp, 19kn; 5 x Kvaerner-Moss gas tanks to min. Minus 163°C.

**ABADI** means forever (everlasting and evergreen) in Malaysian.

On March 22, 1999, BGC placed the order at Mitsubishi Heavy Industries, Limited (MHI) from Japan, for the construction of a new 135,000 cubic metre Moss Containment system LNG Vessel.

(*Brunei LNG, continued on page 66*)