

LNG Fuelling

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AG&P predicts LNG Fuelling growth in Southeast Asia

The remote island geography of the Philippines and Indonesia coupled with a fall in the cost of LNG is driving growth in LNG fuelling infrastructure and demand, according to technology developer Atlantic, Gulf and Pacific (AG&P).

"We see the archipelagos of Indonesia and the Philippines as growth markets because of the anticipated switch from coal as a fuel for power to LNG, particularly as the landed cost of LNG is now roughly one-third of what it was just a few years ago," Jose P Leviste Jr, chairman of AG&P, told LNG Fuelling.

Launch of virtual LNG pipeline

AG&P recently launched its 'virtual LNG pipeline' solution to bridge the capacity demands for power in Southeast Asia. Albert Altura, president of AG&P, compared the new solution with traditional power delivery models described as 'too bulky' and stated that many 'stranded' markets in the region were either inaccessible or too small to be feasibly served by the current power supply model.

"Our virtual LNG pipeline comprises a network of smaller-scale economical delivery systems including vessels, re-gasification terminals and smaller power plants. We are already seeing considerable demand for these products and anticipate this continuing in the next few years," Altura said.

The firm now operates a fleet of LNG transport solutions that includes a small LNG carrier, LNG-fueled commercial vessels including conversion to dual-fuel,



AG&P is developing a full virtual LNG distribution chain

new-build vessels and cold storage solutions. It is also developing a number of onshore storage solutions utilizing GTT's membrane technologies.

"The impact of the technologies we are using in our new LNG solutions is that we can provide customers with a turn-key service line from procurement through to maintenance. These new customized LNG solutions enable LNG to be delivered to previously inaccessible locations, with less up-front investment and faster delivery times," Leviste said.

FLP advances refueling options

One of the notable innovations the company has introduced recently is its floatable legged platform (FLP) which comprises a prefabricated ballastable concrete sub-platform that is towed to site, submerged to the sea floor and onto concrete piers, and onto which is then ballasted and anchored a float-over FSU.

"The FLP can serve as a quay-

side for LNG carriers, LNG-fueled ships, work-boats and other vessels, acting as a drop-in-place port solution in remote locations, saving CAPEX otherwise spent on turrets and breakwaters. The FLP can be configured for LNG storage, regasification, bunkering, liquefaction and floating power applications," Leviste explained.

AG&P predicts that the distributed population of the Philippines will mean the country is one of the first to see widespread uptake of LNG fuelling in the coming years. To support this AG&P is investing heavily in full chain infrastructure to ensure LNG can be accessed where pipelines or large-scale plants are not available.

"This means that everything from depot tanks, carrier vessels, floating storage, land-based storage, floating and land-based regasification facilities and new small-scale floating and land-based power plants (from 5MW on up to conventionally-sized plants) will need to be designed and built," Leviste explained.

Neighbouring Indonesia is also expected to show similar growth, following the government's announced plans to install 35 GW of additional power capacity over the next four years (up to 2020) with an estimated US\$88 billion expected to be invested in power projects up to the end of 2020.

Headquartered in Manila, AG&P operates two manufacturing facilities near the capital and provides infrastructure solutions throughout Southeast Asia.



LNG storage plays a key role in AG&P's solution

NEWS NUDGE

Sumed seeks LNG bunker partner

The Arab Petroleum Pipelines Company (SUMED) is to collaborate with BESIX-ORASCOM to develop LNG bunkering facilities in Ain Sukhna, Suez Governorate, Egypt.

The project will include construction of a LNG refueling station as well as a jetty, a 2.4 km causeway and a trestle with two berths.

The project is slated to be completed in the first quarter of 2017 and Sumed is reportedly seeking a partner to develop the project with.

Ryder expands postal gas vehicle fleet

Commercial fleet management firm Ryder System has signed a full service agreement with Postal Fleet Services to expand its fleet with 20 compressed natural gas (CNG) heavy-duty vehicles.

The vehicles will be added to the existing fleet of Ryder diesel-powered vehicles as part of Postal Fleet Services' mail distribution operations.

Ryder will provide maintenance via its gas trained technicians. The firm operates 22 natural gas vehicle maintenance facilities and supports both CNG and LNG solutions.

Cohran switches to LNG fuel for R&D centre

Industrial boiler manufacturer Cochran is to switch to LNG fuel to power its R&D centre in Newbie, Scotland.

The fuel will be supplied by Calor and is expected to save 169 tonnes of CO2 output. A spokesperson for the firm stated that the switch 'made commercial sense' and would support 'vital training' for employees and customers.

The firm is accredited with the Combustion Engineering Association's Boiler Operation Accreditation Scheme (BOAS) and the Industrial Gas Operations Accreditation Scheme (I-GAS) programmes.