Five Game-changing LNG Bunkering Projects



LNG Bunkering Summit 2016

Vessel owners and operators working across stringent emissions control areas (ECAs) are increasingly turning to liquefied natural gas (LNG) as a solution to reduce their airborne releases of SOx, NOx, ODS and VOC gases into the atmosphere.

Despite the high demand for LNG as a marine fuel, the infrastructure necessary for LNG-powered vessels to refuel is currently limited, but expanding.

In the following piece, we look at five of the world's most exciting emerging LNG bunkering projects in ports that handle a combined total of nearly 74 million twenty-foot equivalent units (TEU) a year.



The Port of Busan





Location: Busan, Yeongnam, South Korea
Container traffic (TEU/annum): 2,161,000
Busiest port index: 65th
Project: Construction of a four berth, two LNG tanks bunkering facility on an area of 185,700 m^2 area
Timeline: 2020
Cost: KRW600 billion ($500 million)

Port of Ningbo-Zhoushan





Location: Ningbo & Zhoushan, Zheijiang, People's Republic of China
Container traffic (TEU/annum): 17,351,000
Busiest port index: 6th
Project: Construction of China's first LNG bunkering station with a receiving capacity of three million tonnes per annum.
Timeline: Q1 2016
Cost: RMB 4.75 billion ($750 million)

Port of Singapore





Location: Singapore
Container traffic (TEU/annum): 32,240,000
Busiest port index: 2nd
Project: Embarking on a feasibility study in 2014, the Singapore Maritime Port Authority (MPA) recently announced that it would be assessing LNG delivery methods such as ship-to-ship and terminal-to-ship transfers.
Timeline: Licenses to be granted in 2017
Cost: n/a

Port of Jebel Ali





Location: Dubai, United Arab Emirates
Container traffic (TEU/annum): 13,641,000
Busiest port index: 9th
Project: The busiest port in the Middle East will be fitting a small-scale gas discharge facility onboard the floating storage and regasification unit (FSRU) currently acting as an LNG terminal in the port.
Timeline: 2016
Cost: TBA

Port of Antwerp





Location: Antwerp, Flemish Region, Belgium
Container traffic (TEU/annum): 8,578,000
Busiest port index: 16th
Project: The third largest port in Europe will be designating a 7,300m^2 area for a fuelling concession able to bunker 45,000 cubic meters of fuel per year.
Timeline: 2019
Cost: TBA

LNG Bunkering Summit 2016 will draw on the expertise of LNG pioneers from ports, shipping companies, LNG operators and technology providers to discuss the **value proposition for LNG as a marine fuel, best practice implementation of LNG infrastructure for ports** and **managing the operational challenges** once the **projects are completed.**

These will be demonstrated through real life project case studies and presentations including:

- The challenges and opportunities for Port of Rotterdam in realising their supply chain
- DEME's decision making process, technical integration and compatibility for greener dredging vessels
- Regional overview and possible synergies in the Baltic Region with Baltic Ports Organization
- Port of Amsterdam anticipating and managing uncertainties in the developing LNG market
- Europe's first Break Bulk facility: Full project update and lessons learnt so far from Gate Terminal B.V.

To see the full speaker and session line up, download the agenda here or email us to receive a copy directly enquire@oilandgasiq.com.

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