

Maersk Tankers, HHI & DNV Joint CO2 Ship Design

Tuesday, July 06, 2010

Maersk Tankers, Hyundai Heavy Industries (HHI) and Det Norske Veritas (DNV) have agreed to collaborate on the design and risk assessment of tankers for shipping CO2.

Maersk Tankers is already in a partnership with Maersk Oil and Finnish utilities Fortum and Teollisuuden Voima (TVO), aimed at developing a joint carbon emissions abatement project in the area of Carbon Capture and Storage (CCS).

"Shipping CO2 in tanker vessels is a cost effective and flexible way to get CO2 from power plants to offshore storage sites, which makes it a suitable solution for large CO2 emission sources such as coal-fired power plants, especially in the emerging phase of CCS," says Anders Schulze, Head of CO2 Shipping in Maersk Tankers.

Maersk Tankers and HHI already have the initial blueprints to build tanker vessels for the transport of CO2 from emission sources to storage sites. The vessels will be semi-pressurised and semi-refrigerated, keeping the CO2 liquid. HHI has designed the vessels together with Maersk Tankers, based on years of experience with transportation of liquefied petrochemicals and natural gas, and in accordance with global standards.

"The further development of the CO2 carrier design shall mainly focus on the safety and the Green ship requirements while emphasising the high energy efficiency of the vessel. HHI's technical cooperation with Maersk Tankers and DNV explains well HHI's policy of constant pursuit of new technology and also its dedication to finding solutions to the environmental issues in the shipbuilding segment," says Mr. Jae Keun Ha, Senior Vice President of HHI.

DNV will provide feasibility studies, risk identification in addition to general support for compliance with applicable class Rules and the current Gas Carrier Code as well as its latest developments specifying CO2 in more detail. These tasks will also include evaluations and support to ensure that the vessel is fit for purpose and fits well into the specific CCS chain.

"The overall technical features of these CO2 carriers have similarities with LPG carriers and offshore shuttle tankers. Many of the applicable safety standards to be applied are therefore basically well known. Studies will, however, have to be carried out to ensure that all features and specialities have been adequately addressed and that the vessels' interface with the rest of the CCS chain is in harmony with the intentions," says Jan Koren, DNV's Segment Director Tankers.

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PEOPLE & COMPANY NEWS

Knightsbridge Tankers 2010 AGM Results

Knightsbridge Tankers Limited advised that the 2010 Annual General Meeting of the Company was held on September 24, 2010 at 9:30 a.m. at the Elbow Beach Hotel, 60 South Shore Road,

Golar 2010 AGM Results

Golar LNG Limited advised that the 2010 Annual General Meeting of the company was held on September 24, 2010 at 10:30 a.m. at the Elbow Beach Hotel, 60 South Shore Road, Paget PG04, Bermuda.

Trelleborg Marine HQ Relocates to Singapore

With increasing demand for its fendering, mooring and berthing systems, Trelleborg Marine Systems is relocating its headquarters to Singapore, delivering closer

TECHNOLOGY

WRSystems' Emsys Receives Type Approval

W R Systems Ltd., Norfolk Va. Announced the completion of its Emsys Product Design Assessment (PDA) program with the American Bureau of Shipping (ABS) by being

PortVision Vessel-Tracking for Gulf Cleanup Ops

PortVision, provider of business intelligence solutions for the maritime industry, announced that BP has used the company's PortVision vessel-tracking service

Marine Panel Mount Computer Passes Shock Testing

Comark Corporation announced that its 12-inch Marine Panel Mount Display with integrated Computer and Touchscreen options has successfully passed the MIL-901D Grade A lightweight shock test.

MARINE PROPULSION

UltraJet UJ575 Powers Diving Vessel Sistac Esperança

Having provided services to the offshore industry since 1995 Sistac Sistemas de Acesso S/A saw the opportunity to provide an offshore dive operation centre and

Small Promoted at Bay Diesel & Generator

Bay Diesel & Generator announced the promotion of John Small to the position of Inside Sales Coordinator. Small joined Bay Diesel & Generator in 2008 as a field service technician.

MAN Diesel & Turbo Signs License Agreement at SMM

MAN Diesel & Turbo has signed a four-stroke license agreement with Rong An Power Machinery, a Chinese marine engine manufacturer. Dr. Stephan Timmermann, Executive

SHIPBUILDING

Odfjell Terminates Shipbuilding Contracts in China

January 2008 Odfjell entered into shipbuilding contracts with Chongqing Chuandong Shipbuilding Industry, China (CCSIC), for construction of six (6) stainless steel chemical tankers of 9,

India: L&T Shipbuilding to Expand Building Capacity

According to a Sept. 26 report from the Press Trust of India and Business Standard, engineering major Larsen and Toubro's (L&T) shipping arm L&T Shipbuilding has earmarked around Rs 1,

Coast Guard Commandant Addresses Ship Budget

The Congressional Shipbuilding Caucus, Co-Chaired by Representatives Gene Taylor (D-MS) and Rob Wittman (R-VA), hosted a meeting with the Commandant of the Coast Guard, Adm.



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