

# Three of the Most Successful Shipbuilders Choose Synectics

**“Synectics can provide local commissioning and service for our customers as well as prompt responses to any enquiry which is a valuable asset to both Synectics and the customer”**

**Paul Webb**

Managing Director, Synectics



Marine CCTV specialist Synectics has been awarded the contract to supply a complete CCTV and control system for the KOGAS LNG Carrier project by Hyundai Heavy Industries, Daewoo Shipbuilding & Marine Engineering (DSME) and Hanjin Heavy Industries.

The installation will feature the revolutionary COEX™ MECH/4 Thermal Imaging PTZ and TriMode MECH/4 Marine PTZ camera stations. These impressive units allow operators to view images with crystal clear detail whether they are viewing through smoke, fog or

total darkness. They are also able to differentiate between, and detect, hot and cold objects, intruders, personnel and materials.

The remaining camera stations that complete the CCTV system specified for the KOGAS project include the established and industry proven COEX™ Ex d certified camera stations. Developed specifically to operate in this type of hazardous area application, the camera housings are mounted on Ex d certified FEPT pan and tilt units, enabling fast, accurate camera positioning.

One of the five vessels is a first for DSME as it is the first LU2 Ice-Class LNGC ever to be undertaken by DSME. It is well known that the construction of an Ice-Class LNGC requires greater engineering skills because the steel and equipment installed on the vessel must withstand cold conditions. In particular, the machinery and equipment installed on the exposed weather deck should be able to operate in an air temperature of -25°C. Furthermore the vessel can sail on water covered with 0.6 m of ice. This vessel was launched on 21 July 2007.

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Synectics' 20 years experience in providing systems for adverse environments proved invaluable when providing a solution for this particular vessel which utilizes their robust and tough camera stations. COEX™ camera stations and Synectics' control equipment can operate in these challenging conditions and demonstrates Synectics capabilities to meet the exacting requirements of our clients.

These five LNG vessels will be used to bulk ship LNG between Yemen and Russia's Sakhalin-2 project to KOGAS import terminals at Pyong Taek, Incheon and Tong Yeong.

Paul Webb, Managing Director of Synectics credited the contract award to the ongoing relationship with each shipbuilder; combined with Synectics' presence in Korea, via local agent Sicom Korea, stating "Synectics can provide local commissioning and service for our customers as well as prompt responses to any enquiry which is a valuable asset to both Synectics and the customer".

## PROJECT DETAILS

### Client

DSME

Hyundai Heavy Industries

Hanjin Heavy Industries

For further information on the products, services and systems offered by Synectics visit [synecticsglobal.com](http://synecticsglobal.com).

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Synectics designs integrated end-to-end surveillance control systems for the world's most demanding security environments. We excel at complex projects that require innovative, tailored solutions with high reliability and flexibility, specifically for casinos, oil and gas, marine, public space, banking, transport and critical infrastructure applications. Synectics' Systems division is part of Synectics plc, a global leader in advanced surveillance, security and integration technologies and services.

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