



'Project Resolve' is based on a conversion of the commercial container ship, 'MS Asterix'

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## Kongsberg Maritime: KONGSBERG Completes Supply of Digital IP CCTV System for New Royal Canadian Fleet Supply Vessel

- *Turnkey delivery for 'Project Resolve' container ship conversion at Chantier Davie Canada*
- *38 KONGSBERG marine grade cameras to provide complete coverage for enhanced on board safety & security*

**Aberdeen, UK, 9<sup>th</sup> May 2017** – The Aberdeen, UK-based Kongsberg Maritime camera systems group has successfully delivered a new large network IP CCTV system to Chantier Davie Canada for installation aboard the new Royal Canadian Navy (RCN) Auxiliary Naval Replenishment Ship, known currently as 'Project Resolve'.

Project Resolve was established to develop an interim fleet supply vessel for the Royal Canadian Navy (RCN). The project purchased 'MS Asterix', a commercial container ship, and is converting it into an Auxiliary Oiler Replenishment ship that will be chartered by the Royal Canadian Navy. The conversion is expected to be completed and the ship active in service during 2017.

KONGSBERG's large fully networked integrated digital IP CCTV Solution was delivered following a successful Factory Acceptance Test (FAT), which took place in November 2016. The system delivered is a complete solution incorporating marine cameras, Video Management Software (VMS), ruggedised central control rack server/storage, operator workstations, distributed Power over Ethernet (PoE) network switches and Uninterrupted Power Supply (UPS). The solution has been designed to provide High Definition performance, flexible operation and easy installation.

The camera solution deployed on Project Resolve utilise 24 marine grade IP PoE fixed cameras offering High Definition (HD) images across the vessel. The Kongsberg Maritime 0482-6030 Marine HD PoE camera, is an ultra-rugged and easy to install IP camera designed for use in aggressive environmental conditions such as Commercial Vessels, Naval Surface Ships, Oil & Gas Installations and Renewable Energy Platforms. The camera has also recently been DNV GL Type Approved.

In addition, the solution incorporates 10 IP Stainless Steel Pan, Tilt & Zoom (PTZ) camera stations. The PTZ cameras utilise a high resolution low light colour/mono sensor with 18 x optical zoom and feature an integrated wiper system. Four marine grade IP PTZ Dome cameras with 18x optical zoom are also part of the network. All cameras in the Kongsberg IP CCTV Range are ONVIF Compliant to operate with KONGSBERG's open platform Video Management Software (VMS).

The VMS Solution offers unprecedented control for a surveillance system, providing end users with the situational awareness required to provide an

immediate response. The system allows the user the flexibility to optimise post-deployment whilst taking advantage of the latest technologies and improving operator collaboration.

Full intuitive control of all the cameras is made available at Operator Stations via marine grade monitors with control for PTZ cameras. The server provided allows for a unique data storage and archiving solution that combines superior image performance, scalability and long term video storage to meet the customer requirements.

Once all equipment has been installed, KONGSBERG will provide engineering support to carry out on-board commissioning of the CCTV system. KONGSBERG offices in the UK and Canada have worked closely together to fulfil the Project Resolve contract and will continue to provide the customer with local support and assistance for the entirety of the project.

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## **About Kongsberg Maritime**

Kongsberg Maritime is a global marine technology company providing innovative and reliable technology solutions for all marine industry sectors including merchant, offshore, subsea and naval. Headquartered in Kongsberg, Norway, the company has manufacturing, sales and service facilities in 20 countries.

Kongsberg Maritime systems for vessels cover all aspects of marine automation, safety, manoeuvring, navigation, and dynamic positioning. Subsea solutions include single and multibeam echo sounders, sonars, AUV/Underwater Robotics, underwater navigation, communication and camera systems.

Training courses at locations globally, LNG solutions, information management, position reference systems and technology for seismic and drilling operations are also part of the company's diverse technology portfolio.

In parallel with its extensive technology portfolio, Kongsberg Maritime provides services within EIT (Electro, Instrument & Telecom) engineering and system integration, on an EPC (Engineering, Procurement & Construction)

basis.

Kongsberg Maritime delivers solutions that cover all aspects of technology underwater and on the water, aboard new build and retrofit vessels, and on offshore platforms and rigs, often under a single supplier strategy called The Full Picture.

Kongsberg Maritime is part of Kongsberg Gruppen (KONGSBERG), an international, knowledge-based group that celebrated 200 years in business during 2014. KONGSBERG supplies high-technology systems and solutions to customers in the oil and gas industry, the merchant marine, and the defence and aerospace industries.

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