



K-Fleet Voyage gives KONGSBERG customers a simple, cost effective way to meet new CO₂ reporting requirements

Aug 30, 2017 10:07 BST

Kongsberg Maritime: K-Fleet Voyage Application Verified for New EU MRV Regulations

- *Qualifying shipping companies must have CO₂ Monitoring, Reporting and Verification plans prepared by 31st August 2017*
- *K-Fleet Voyage meets all requirements while enabling reductions in fuel consumption and emissions*

Kongsberg, Norway, 30th August 2017 – K-Fleet Voyage, KONGSBERG's digital application for monitoring ship fuel consumption and emissions, has

been verified by Ecoxy AS for use under the EU Emission Trading Scheme (ETS) and the new EU Monitoring, Reporting and Verification (EU-MRV) for maritime transport regulation (2015/757). Ecoxy AS is accredited by Norwegian Accreditation as a verifier according to ISO14065 for the ETS and EU-MRV.

The regulation, for ships exceeding 5000 GT and which call at any EU port regardless of flag or country of ownership, aims to quantify and reduce CO₂ emissions from the shipping industry. Entered into force on 1st July 2015, EU-MRV will be fully effective on 1st January 2018, when large ships using EU ports will be required to report their verified annual emissions and other relevant information. However, qualifying shipping companies must have monitoring plans prepared by 31st August 2017.

“With the first deadline under EU-MRV fast approaching we are committed to being at the forefront with a flexible, cost-effective solution for shipowners to meet these important new requirements,” said Rune Kristian Stålstrøm, Product Manager – Vessel & Fleet Performance, Kongsberg Maritime. *“Deploying K-Fleet Voyage is a cost effective, straightforward process regardless of if a vessel is already operating within the K-Fleet eco-system or not. Our solution supports customers to conform to the new regulations with minimal effort, while providing new opportunities to reduce operational costs by leveraging the extensive data that K-Fleet Voyage delivers.”*

K-Fleet Voyage simplifies the process required under EU-MRV with daily transfer of data from the ship-based application to the shore-office version, ensuring reliable collection of the information necessary to create the annual MRV report, including: Voyage registration, port registration with port name/berth, ETA/ETD and reason for call, condition and cargo quantity, daily registration of position, sailed distance/time, consumption and registration of bunkerings with ROB values at arrival and departure for each fuel type.

EU-MRV is a result of the EU calling for a global approach to reducing greenhouse gas emissions from international shipping. According to the 3rd IMO GHG study, maritime transport emits approximately 1000 million tonnes of CO₂ annually and is responsible for about 2.5% of global greenhouse gas emissions.

Shipping emissions are predicted to increase between 50% and 250% by 2050 – depending on future economic and energy developments. This is not

compatible with the internationally agreed goal of keeping global temperature increase to below 2°C compared to pre-industrial levels, which requires worldwide emissions to be at least halved from 1990 levels by 2050*.

K-Fleet Voyage is part of the K-Fleet suite of applications, a powerful solution for ship management at the single vessel, fleet and shore-office levels. It is a modular software system designed to assist users' working processes within planned maintenance, inventory management, procurement, QSE, documentation, forms, certificates, voyage reporting and fleet operations. Built on an SQL platform, K-Fleet offers centralised and decentralised management functions and two-way data flow for fleets of all sizes. K-Fleet and K-Fleet Voyage are also available on KONGSBERG's brand new digital platform, *kognifai*.

Ends

*See:

www.kongsberg.com/mrv

https://ec.europa.eu/clima/policies/transport/shipping_en

For further information, please contact:

Rune Kristian Stålstrøm

Kongsberg Maritime

Tel: +47 9151 3347

rune.kristian.stalstrom@km.kongsberg.com

Saul Trewern

Saltwater Stone

Tel: +44 (0)1202 669244

s.trewern@saltwater-stone.com

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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