



Vale is expected to use the data gathered from Kongsberg Digital's Vessel Insight Connect to confirm fuel and emissions savings

Mar 16, 2023 11:00 GMT

Vale and Kongsberg Digital Join Forces to Reduce Emissions

After implementing the vessel-to-cloud Vessel Insight technology to Guaibamax Bulk Carriers in 2020, Vale, iron ore producer and charterer of one of the world's largest fleet of ore carriers, has signed with Kongsberg Digital to install Vessel Insight on four Valemax vessels.

Over the last years, Vale has invested heavily in technology to develop more efficient vessels, such as the Valemax and Guaibamax freighter classes. These vessels are considered the largest and most efficient ore carriers in the world

as they emit up to 41 per cent less greenhouse gases and transport 2.3 times more than Capesize, the standard freighter. An important goal when developing these vessels was to invest in innovative technologies to make these vessels greener.

To meet these goals, Vale newly signed an agreement with Kongsberg Digital to implement Vessel Insight Connect to Valemax bulk carriers, which are long-term chartered and owned by Asyad Shipping. Kongsberg Digital's Vessel Insight provides instant and easy access to fleet overview, vessel-specific dashboards and analysis tools. Vessel-to-cloud data infrastructure captures and aggregates quality data in a cost-effective and secure way.

Vale is expected to use the data gathered from Vessel Insight Connect to check and confirm fuel and emissions savings as part of their Ecoshipping programme. The programme was developed by Vale to foster the adoption of new technologies by the maritime industry the aim of reducing carbon emissions from shipping. The first two Guaibamax vessels covered by Vessel Insight featured wind-assist rotor sails and air lubrication technology, which uses a layer of air bubbles under the hull to increase hydrodynamic efficiency. Now the four Valemax vessels are testing new fuel efficiency technology.

“Vale's investment in sustainable shipping technology, including efficient Valemax and Guaibamax bulk carriers, positions them as a leader in driving sustainable solutions in the industry. We are thrilled to partner with Vale and provide them with our vessel-to-cloud infrastructure to help monitor fuel and emissions savings and support their efforts towards reducing their carbon footprint. Together, we are working towards a more sustainable future for shipping.”, says Christopher Bergsager, VP Growth Digital Ocean at Kongsberg Digital.

“Vale transports iron ore in the most efficient vessels in the world, but we believe there are still further energy efficient gains to be captured to reduce fuel consumption and CO2 emissions. Data analytics is key to measure the performance of the new technologies and make evidence-based strategic decisions. This pioneering project shows our commitment to supporting the shipping industry in fulfilling the ambitions of the International Maritime Organization (IMO)“, says Rodrigo Bermelho, Shipping Technical Manager at Vale

ENDS

For more information, contact:

Henning Hammer Torp, Senior Communications Advisor, Kongsberg Digital

Henning.torp@kongsbergdigital.com

+47 416 99 349

Ryan Swift, PR Lead, Saltwater Stone

r.swift@saltwater-stone.com

+49 (0) 15735614330

Kongsberg Digital – shaping the future of work for a better tomorrow

Kongsberg Digital is an industrial software company shaping the future of work by changing how businesses design, operate and maintain their assets. Businesses trust us for our innovative carbon capture and storage technology, new energy ventures towards net zero, voyage optimisation, emissions reduction, and technology to help balance grids and complex power systems. We are transforming carbon-intensive industries by providing industry-leading solutions that extract value from industrial data. We enable businesses to connect physical assets to an Industrial Work Surface, serving as one common software for decision-making across the value chain.