

January 5, 2021 Kawasaki Kisen Kaisha, Ltd.

Expanding "Kawasaki Integrated Maritime Solutions" to chartered vessels

We started installation of the integrated ship operation and performance management system "Kawasaki Integrated Maritime Solutions" on chartered vessels, while our owned ships equipped.

This system released in 2016 has been installed on about 140 vessels mainly we owned. It has a variety of smartphone and PC applications that are used for early detection of abnormalities with live data monitoring, performance analysis to maintain and manage fuel efficiency, and optimum navigation support to maintain safe and economical routing.

From now on, obtained big data and information will be shared not only operator but also ship owner and ship manager through a common platform in the cloud and can be monitored with multiple eyes to accelerate elaborated vessel operation and management.

Through this expansion, "K" LINE will make safe, environment-friendly, more solid and highly qualified operation on all our fleets.

<Reference> Please see below link for related news releases.

Announcement on June 28, 2016 Joint development project of "K-IMS"; Integrated vessel operation and performance management system https://www.kline.co.jp/en/news/other/other3295047094663452046.html

Announcement on October 10, 2017 Installation of "KAWASAKI Integrated Maritime Solutions Navigating System" to operated/managed vessels https://www.kline.co.jp/en/news/other/other-7407457734171039514.html

Announcement on December 4, 2019 Completed Additional Development (Phase-2) of "Kawasaki Integrated Maritime Solutions" <u>https://www.kline.co.jp/en/news/other/20191204EN/main/0/link/20191204EN.pdf</u>

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