

CASE STUDY

Danelec

EDATA RECORDER
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REPORT TO AUTHORITIES
DANELEC MARINE

DIAMOND S SHIPPING

**Danelec VDR Retrofit by partner
Mackay Marine for 30 Diamond S
Shipping Vessels**

WWW.MACKAYCOMM.COM

THEME: OPTIMISE FLEET-WIDE VDR INSTALLATION

EVIDENCE-BASED EFFORT DETERMINES FIT FOR DANELEC VDR RETROFIT

Diamond S Shipping is one of the largest owners and operators of modern medium-range product tankers. Within its fleet of tankers, 30 vessels were built at HMD and STX Shipyards in South Korea.

At the time of construction, the 30 vessels were equipped with VDRs which later proved to have poor product reliability, lack of global service network coverage, and high costs for the annual APTs.

Replacing an entire fleet of VDRs can be a daunting proposal. For over a year, Mackay's team diligently collected service records demonstrating to Diamond S that ongoing and extensive VDR repairs with limited parts availability were holding up ships at ports, costing them time and money.

These findings compelled Diamond S to look for better alternatives. Mackay's global reputation, together with Danelec's product reliability and SWAP technology, appealed to Diamond S, who awarded the VDR upgrade project on their fleet of 30 medium-range product tankers.



CASE STUDY

PROJECT EXECUTION

Danelec Marine's tailor-made Retrofit Conversion Kit solution made it possible to complete the installation with minimum effort and downtime. 27 of the 30 ships were retrofitted at various Mackay service ports in less than a year. With the help of Danelec's Sales and Support Team, Mackay India orchestrated the project seamlessly by optimising the installations and the logistics surrounding them.

- A 'pre-install' survey was conducted on one of each of the HMD and STX type vessels to familiarize Mackay with the existing set-up, cable routing, 3rd party interfacing compatibilities, etc. This provided exact requirements and necessary installation materials.
- Diamond S selected a subcontractor to carry out the hot works, cable routing, adaptor fitment etc. Cables and mounting plate kits were prepared and supplied by Mackay India in a 'kit bag' per ship.
- The DM100 VDR was remotely configured by Mackay India for successful Termination & Commissioning by Mackay.
- Mackay India, as the single point-of-contact for this project, executed the installation and testing within the scheduled timeframes. This provided the owners/managers with a direct line of communications and the comfort of better control.



About Mackay

Mackay's (Mackay Communications, Inc) mission is to provide the most comprehensive and cutting edge product portfolio, competitive pricing, and client-centered maritime electronics equipment sales and service, and terrestrial satellite communications packages, to commercial, governmental, energy, and private industries worldwide. Mackay Marine Service, represents the largest sector of Mackay's business, with expertise in 24/7 coordination and global maritime service for every class and size vessel.

www.mackaycomm.com

PERFECTING THE ART OF VDR INSTALLATION

Mackay's handling of the 30 vessel installation project was textbook, and while the company provides full global support, the equipment ran faultlessly after each and every installation.

- Three-way collaboration and Mackay and Danelec's global network coverage enabled timely installations according to a vessel's route.
- Average installation time was 18-24 hours per ship.
- ZERO equipment failures occurred post-installation.
- All installations received a 5 stars rating by Danelec Marine.
- Reasonable and consistent APT/COC charges.
- Global support by Mackay wherever the crew needed assistance.



The Danelec Difference



Safety is
priority
number one



Enhance fleet
operational
efficiency



Maximize
return on
investment

General inquiries

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Service and support

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