

Reducing Fuel Consumption with FuelSaver

Boosting performance, enhancing security, reducing costs, and saving the environment –these objectives are the goals of **Marine Alignment A/S**. The Danish enterprise is ranked among the world’s leading providers of professional cargo planning and loading software solutions for a wide range of sea-going container vessels. The core product, **Easeacon**, is a reliable tool that is used onboard thousands of ships and in planning offices around the globe.

Established by Mr. Finn Henriksen in 1976, Marine Alignment initially focussed on developing planning systems for container ships in the 1980s when personal computers were gradually becoming indispensable means in the business world. With the introduction of its technologically advanced Easeacon software, the Farum-based company set new standards in the field of efficient contemporary ship operation. *“To date, we have installed more than 1,350 systems, which can be adapted to any type of vessel,”* explains Mr. Sven Dyrdal, Sales and Marketing Manager. *“By using our system, over 300 shipping companies have succeeded in optimising their maritime transportation, thus enhancing their position in a highly competitive market.”*

Easeacon is a sophisticated cargo planning and loading software for both single vessels and entire fleets. It is made up of several modules, which can interact with each other for maximum transparency and reliable decision-making. The modules include the bridge

visibility check module for optimising cargo intake; the integrated AutoBallast and FuelSaver modules for reducing fuel consumption; and the IncliningTest module for accurately assessing the ideal and safe sailing condition. Easeacon is also an information centre that collects

data which is used for generating reports required in daily operations. Continuous development and upgrades guarantee that the customer always has a market-leading system onboard.

Marine Alignment is constantly striving to im-

prove and extend its Easeacon software solution. *“For example, we have extended the range of modules on a regular basis,”* tells us Mr. Dyrdal. *“Our latest innovation in this segment is the aforementioned FuelSaver module that was launched in 2012.”* This new technology is used for calculating the correlations between speed, draught, trim, and power requirements. Based on the genetic algorithms used, FuelSaver saves fuel by finding a series of ballast solutions that are both checked for strength and stability. *“Using FuelSaver, vessel operators can reduce fuel consumption by up to 5%, which leads to huge savings,”* as our interview partner continues. *“Up to now, we have installed fourteen FuelSaver modules.”* Marine Alignment exports 95% of its software products, with a special focus on customers in Germany and Asia.

In order to take care of its international customers, the company operates a network of distributors in Germany, China, Vietnam, Singapore, and India. *“In the face of the increasing shortage of fossil fuels and the need to cut costs in the maritime transportation industry, we expect an ever-growing demand for our software in the coming years,”* closes Mr. Dyrdal.



The brand-new Marine Alignment FuelSaver software module helps to reduce the fuel consumption of sea-going vessels by up to 5%

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