

## **Eniram and ABB partner to optimize energy efficiency of Azipod® system**

### **Azipod® propelled vessels with toe angle optimization can reduce fuel consumption**

Helsinki, Finland, September 8th, 2010 –Eniram Oy, a provider of advanced decision support systems to the owners and operators of large commercial vessels announced entering into a research and development study with ABB, the leading power and automation technology group.

In the study, the parties will evaluate, develop, test and eventually produce as OEM, intelligent systems based on the Eniram VMS (Vessel Management System) to optimize the relation of Azipod steering angle(s) on vessels operating with Azipod® propulsion system.

It is estimated that the fuel consumption of the vessel can be reduced by up to 2% by optimizing Azipod® toe angles. The savings will be tested together by both parties.

“Combining ABB’s know-how in podded propulsion and Eniram’s experience in high accuracy analytics systems will help our customers operate more efficiently and environmentally. This gives us one tool more to reach our target of providing best available performance in all fields of vessel operation” said Philip Padfield, CEO, Eniram Group.

ABB ([www.abb.com](http://www.abb.com)) is a leader in power and automation technologies that enable utility and industry customers to improve their performance while lowering environmental impact. The ABB Group of companies operates in around 100 countries and employs about 120,000 people.

Eniram provides dynamic decision support systems to the owners and operators of large commercial vessels, including cruise ships, freight vessels and tankers. The core solutions enable fuel efficiency, environmental protection initiatives and intelligent reporting of vessel and fleet performance, delivering cost efficiencies onboard and onshore. Eniram’s products are designed by a team of marine system experts, software architects, programmers, naval architects and captains creating a unique combination of expertise. The Finland-based Eniram has subsidiaries in Fort Lauderdale, US and London, UK.

### **For further information, please contact**

Philip Padfield  
CEO,  
Eniram Group  
[philip.padfield \(at\) eniram.fi](mailto:philip.padfield@eniram.fi)  
[www.eniram.fi](http://www.eniram.fi)

**Eniram press photos** are available at:  
<http://www.eniram.fi/company/press-page>

**Keywords:** Ship, Vessel, CO<sub>2</sub>, Carbon Footprint, Environment, Emission, Fuel, Bunker, Savings, Save, Fleet, Seafaring, Shipping, Sustainable, Marine, Dynamic Trimming Assistant, DTA, Azipod, Propulsion

# # #