



## In This Issue

### SeaView

SeaView is a multi-faceted passenger information system that is part of the *MariWeb™* software suite.

SeaView allow passengers in ferry terminals to be updated on the scheduled, predicted and actual departure and arrival times of ferries by viewing LCD screens placed so that passengers have easy access to them.

The SeaView system also allows information to be obtained by an Active Voice Response system and via SMS alerts. (page 1)

### Quality in software and support

Providing customers with high quality software and support systems has been a focus of IMIS Global since its formation in 2000.

IMIS Global is audited on an annual basis by QMS and maintains its ISO9001 certification for 2010-11.



SeaView  
Planning and protecting offshore power systems  
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## SeaView

SeaView is a multi-faceted passenger information system that is part of the *MariWeb™* software suite.

Passengers in Greek ferry terminals have easy access to the latest scheduled, predicted and actual departure and arrival times of ferries by viewing the Seaview LCD screens.

The SeaView display screens provide detailed information that is collected via AIS, processed along with the published schedules and routes of the ferry fleet and then formatted for display to the passengers using the ferry fleet.

The LCD displays are able to be used by local industry for advertisements.

The SeaView system allows ferry status information to be obtained by an Active Voice Response [AVR] system. This is used by calling a short form telephone number, asking for a particular ferry by name and then its position is provided as being either in a port or a distance and bearing from a well known port.

IMIS Hellas has established a large national network of AIS receivers that is connected to an AIS portal that is powered by *MariWeb™*. This allows the real-time tracking of more than 2,000 Class A, Class B and AtoN fitted with AIS. This volume of traffic is expanding rapidly on a day by day basis.

The *MariWeb™* system collects all of the AIS, deals with the many events, vessel tracking and route prediction using published protocols and a range of discoverable web services.



## Planning and protecting offshore power systems

Planning and protecting offshore power systems is a complex task that requires large amounts of ship movement data in the planning stage and real-time monitoring of vessel movements by systems that meets international standards during the construction and operating phases of the project.

*MariWeb™* supports this requirement. (page 2)

## eNavigation and *MariWeb™*

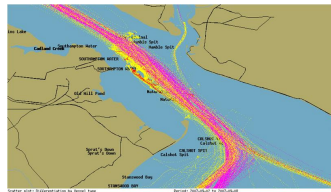
IALA issued the document eNavigation Architecture - the initial Shore-based Perspective - Edition 1.0 in December 2009.

This IALA document lays out the eNavigation concept that depends on two external contributions, namely the IMO defined World Wide Radionavigation System (WWRNS) (IMO Resolution A.953(23)), and the on-site infrastructure both onshore and onboard ships. (page 2)

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## Planning and protecting offshore power systems

Planning and protecting offshore power systems such as wind farms, under water turbines and wave power generators is a complex task that requires large amounts of vessel movement data in the planning stage to ensure that the placement of offshore power systems is optimal and safe.



During the construction phase of an offshore power system, real-time monitoring of vessel movements by systems that meets international standards such as the IALA A-124 Recommendation that ensures that the deployed monitoring systems based on AIS are well designed and managed.

Should there be any incident, the ability to playback or use reporting systems to create user friendly reports for immediate use, is vital.

The collection and processing of vessel movement data before, during and after the construction and commissioning of offshore power systems allows the planning of traffic management systems and Aids to Navigation.

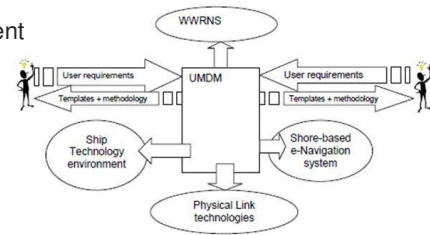
*MariWeb™* meets all international standards that apply to AIS networks and supports all of the requirements for collecting AIS, radar and manually entered vessel movement data.

## eNavigation and *MariWeb™*

The eNavigation concept is described as - "a concept devised to provide a comprehensive, standardised ship-to-ship, ship-to-shore, shore-to-ship and shore-to-shore information exchange environment, including the appropriate data exchange and data processing features."

The "IMO defines e-Navigation in accordance with the use case concept: e-Navigation is the harmonised collection, integration, exchange, presentation and analysis of maritime information onboard and ashore."

Key to the shore side eNavigation concept is that of the Universal Maritime Data Model [UMDM]. The UMDM is graphically illustrated as:



The IMIS Global *MariWeb™* AIS network product integrates AIS, Radar, telemetry, GSM and other systems that are part of the port and maritime information system using open standards such as IEC61162 and web services.

All of the *MariWeb™* version 4 functional blocks such as the ECS, database, AIS Service Management [ASM] all have web services ensuring that the shore side maritime information systems support future guidelines.

*MariWeb™* is updated to reflect the latest published standards and recommendations and will continue to be updated to reflect the changes in the eNavigation environment as they evolve.

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