

# The Intelligent Vessel

*as a seamless part of an Intelligent Office*

## Reduce Running Costs and Improve Productivity

### TESTIMONIALS

Implementing the "Intelligent Vessel" solution gave us the opportunity to realise how a cutting edge technology solution can enable a Ship Management company to control running costs by minimizing down-time and prevent costly site visits. Data Least Cost Routing is a powerful tool that is adapting itself to any operational route by ensuring the least cost data transmission. Surely a solution that delivers whatever it promises.

*Cpt. Emmanuel Papalexis  
Chairman  
Mare Maritime Co*

"Since we have deployed the "Intelligent Vessel" solution to our fleet we have witnessed a significant improvement to the productivity of ship and shore processes and the elimination of down time. Remote management of vessel Network is seamless and efficient. The solution is easily deployed and totally configurable"

*Elias Kouros  
ICT Director  
Byzantine Maritime Corp..*



The "Intelligent Vessel" solution is conceived and designed exclusively for implementation on-board commercial vessels.

- An innovative integrated solution for implementing remotely manageable and secure ICT environment on-board vessels
- Supporting Data LCR (Least Cost Routing) for all satellite and wireless networks (VSAT, FBB, Inmarsat Narrowband, WiFi, WiMAX, Iridium, GSM/GPRS)
- Enhanced solution versatility and independence from all business application and communication vendors.
- Totally configurable and easy to deploy and remotely manage.

With emphasis on low-cost and high-value solution as the key to both short and long term economical sustainability, Setel has developed an integrated bundle of equipment, software and quality services that enable Shipping Companies to respond to the unique challenges of the demanding Maritime industry. Our solution reflects our experience in working with companies like yours

### SEAMLESS OPERATION

Utilizing **SUN Microsystems** unique Thin Client solutions over a robust virtualized environment we achieve high security levels. No more uncontrolled PC environment that causes numerous malfunctions and operational down times.

### FLEXIBLE & VERSATILE

Designed taking into consideration all current and future maritime technology achievements, the Intelligent Vessel provides flexible configuration capabilities to depict the real operational needs of any Shipping company.

### UNIQUE COMBINED FEATURES

Combining a complete suite of on-board communication and file transfer features such as: e-mail spam filtering, transfer data size restriction policy, auto-copy of messages to designated office accounts, web-caching for broadband connections etc. And of course a detailed and complete history log and reporting.

### EXCEPTIONAL R.O.I.

With Data LCR (Least Cost Routing) facilitation, elimination of PC usual problems, reducing down time, managing remotely the Vessel Network and improving productivity the Return on Investment is exceptional.

### ADVANCED SECURITY

Intelligent Vessel provides a totally secure environment where all corporate data are protected. Any new software installation, user modification, access rights, resources availability is remotely managed from shore.

### FIELD PROVEN PERFORMANCE

With a significant number of commercial vessels operating worldwide, the "Intelligent Vessel" solution is constantly proving its value. Customer testimonials are the live proof.

## Solution Technical Overview

### SECURITY

"Intelligent Vessel" enables enhanced security at both user and corporate data level. Advanced encryption and compression of transmitted data to the corporate communication Hub ensures the protection of valuable information. All authorization and user management is performed remotely from corporate HQ.

### AVAILABILITY

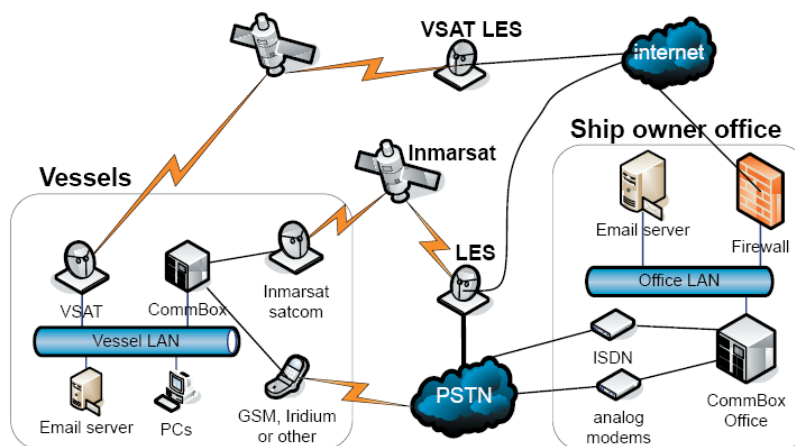
Utilizing Sun Microsystems "Hot-Desking" concept through Sunray thin clients all users on-board are able to use any workstation to access their personal profile at all times. Full IP-Routing with office Network provides a seamless connection to the vessel.

### TURNKEY SOLUTION

The "Intelligent Vessel" is a flexible and versatile solution. Setel and Sun Microsystems are designing and configuring the solution so that it depicts the exact operational needs of each individual vessel. The "Intelligent Vessel" is a turnkey solution from the core processing power to the last patch-cord cable.

For more information on any of our products or services please send your requests to:

[sales@setel-group.com](mailto:sales@setel-group.com)



Above drawing depicts a typical architecture of the "Intelligent Vessel" showing the immense versatility of the solution. The solution supports any traditional or new age satellite or wireless communication carrier. From high-speed permanent VSAT tunnel to low speed dial-up connections the solution delivers exactly the same features providing also real independence.

With a virtualized and Multi O/S data processing environment and with built-in e-mail and file transfer features, among many, the "Intelligent Vessel" is a unique and innovative solution that is designed based on cutting edge technology and aiming to serve as a reliable tool for the efficient day-to-day operation of a vessel.

## Solution Configuration

- At the heart of the solution lie single or dual **SUN new X64 Servers** in various configurations of virtualized and multi O/S environment.
- Providing reliable and secure user interface the **SUN Sunray2 virtual display clients** are used to provide seamless operation.
- Communication versatility is enabled through the innovative **Virtek CommBox** solution at both vessel and office.
- A wide range of carefully selected peripherals (anti-shock racks, networked printers, dual switches etc) are complementing a **unique Maritime Turnkey solution**.

### SERVICES AVAILABLE

- 24/7 Remote Technical Support
- Installation and Setup
- Maintenance
- Hardware Support
- On-Site intervention



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