AQUARIUS MAS™
Proven - Reliable - Flexible

Aquarius Management and Automation System
The Aquarius Management and Automation System (Aquarius MAS) is a reliable marine computer system that can monitor alarms, record performance data and automate processes. The system is based upon the robust and flexible KEI 3240 Data Logger - a proven hardware and software platform which has been installed on hundreds of vessels and ships.

The Aquarius MAS is able to monitor the performance of a wide range of marine equipment and renewable energy technologies including generators, main engines, fuel pumps, solar panels, wind power devices & energy storage modules or batteries.

The Aquarius MAS can also record performance data which can be viewed in real-time or recorded to a hard drive or flash memory for later analyses. By studying this data ship owners and ship operators can optimise the operation of their ships to improve fuel efficiency thereby reducing operating costs and harmful gas emissions.

The Aquarius MAS can collect data regarding fuel consumption and the energy being collected via renewable energy devices such as solar panels. This makes the system the ideal platform for monitoring all energy and power sources on ships. The system can also be configured to automate processes such as turning equipment on and off and to alert engineering staff when planned maintenance may be required.

The Aquarius MAS can be installed on a wide variety of vessels including car carriers, bulkers, survey ships, container ships, offshore support vessels, tug boats and passenger ferries. It can also be retro-fitted to existing ships and vessels.

The Aquarius MAS is a practical and cost effective platform which will help ship owners and operators reduce operating costs, lower vessel emissions and save fuel.
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Screen Display Examples

Data Trends Screen

FO Trip Meter

Generator Monitoring

Boiler Feed Water System Status

Alarm Monitoring  
Data Logging and Recording  
Equipment Control  
Fault Tolerant  
Redundancy  
Remote Access  
LAN Access  
Data Storage  
Fuel Usage Monitoring  
Performance Monitoring  
Renewable Energy Systems Monitoring  
Energy Storage Monitoring  
Planned Maintenance Notifications

Emissions Monitoring  
Condition Based Monitoring  
Class Approvals  
Procedure Processing  
Scalable  
Alarm Escalation  
Access from Portable Devices  
Adaptable to Customers Needs  
Touch Screen  
Connection IT Infrastructure  
Shortcut and Function Keys  
Customization for Ship Type  
Proven Hardware and Software

Eco Marine Power Co. Ltd.  
Aqua Hakata 5th Floor, 5-3-8, Nakasu, Hakata-ku, Fukuoka, 810-0801. Japan.  
Phone:+81 92 287 9677  Fax: +81 92 287 9501  
www.ecomarinepower.com  

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