"- Marine View enables the crew to look ahead"

The Easy to Use Vessel Management System

Auto-Maskin has a global reputation for producing easy to use equipment. Marine View is no different. A maximum of 3 "clicks" to any data point means fast access to information, designed for operation by non specialized crew members, with easy graphical layout, multiple languages capabilities, clear indication, and the ability to "look ahead",

Marine View provides the crew with safe, efficient operation, and information to allow for the optimal operation of the vessel. Unusually, it has its own "Help" menu to assist training and efficient useage. Marine View also provides appropriate traceability and accountability for Owners, including providing a crew "Log In" facility adding significant traceability and operational awareness. Marine View can generate automated reports regarding any aspect of the vessels operation it is connected to, as well as generating customized "Trending Analysis" to assist the operators in predictive maintenance or action

Marine View
Vessel Management System

The Marine View system is a series of building blocks that can expand (or contract) to form the world's most effective Vessel Management System.

Operator Stations

Whether you run large or small vessels, the operator station is a key resource to enable the safe, efficient operation of the vessel. Marine View can provide multiple stations with full or restricted functionality as required anywhere on the vessel. Screen size, environmental capability and installation needs can be tailored to suit the operational needs. There is no practical limit to the number of operating stations that can be installed.

Dedicated Alarm Panels

As cost effective alternatives to full operator stations, dedicated Alarm panels are pure display / acknowledge stations for a pre set number of alarms. These panels are easily connected on the Marine View Ethernet backbone. Typically placed in crew quarters or in a specialized operational area (cargo pump rooms for example), these panels provide fast access to focused information by the crew, enabling the best operational actions.

Data Acquisition and Control Units

DACUs take signals from sensors and data buses, and convert them to the Marine View Ethernet traffic that provides, safe, secure and rapid transmittal of information to the Marine View servers for processing. DACUs are built from a standard range of components, and are usually fitted close to the sensing groups to minimize complex wiring.

Engine Panels

The Auto-Maskin range of Marine Pro engine controllers automatically configures into the Marine View system. Classed or unclassed, touch screen or traditional, the Marine Pro range of controllers and their accessories form part of the building blocks that makes up the Marine View system.The range comprises of the 400 series IACS approved components and the smaller 200 series.

The Smart Way Ahead

Marine View
Frequently Asked Questions

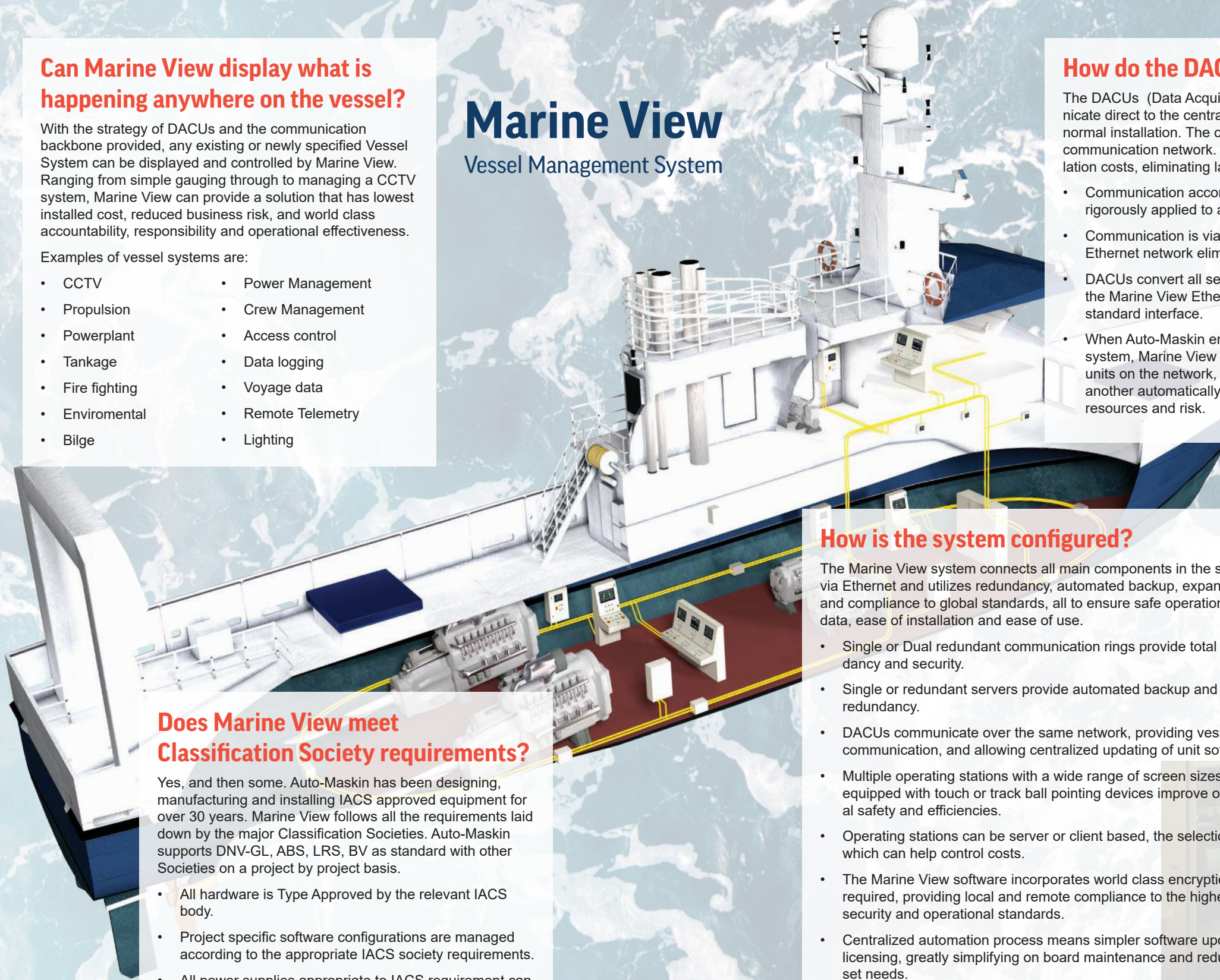## Can Marine View display what is happening anywhere on the vessel?

With the strategy of DACUs and the communication backbone provided, any existing or newly specified Vessel System can be displayed and controlled by Marine View. Ranging from simple gauging through to managing a CCTV system, Marine View can provide a solution that has lowest installed cost, reduced business risk, and world class accountability, responsibility and operational effectiveness.

Examples of vessel systems are:

- CCTV
- Propulsion
- Powerplant
- Tankage
- Fire fighting
- Enviromental
- Bilge
- Power Management
- Crew Management
- Access control
- Data logging
- Voyage data
- Remote Telemetry
- Lighting

Marine View
Vessel Management System

Does Marine View meet Classification Society requirements?

Yes, and then some. Auto-Maskin has been designing, manufacturing and installing IACS approved equipment for over 30 years. Marine View follows all the requirements laid down by the major Classification Societies. Auto-Maskin supports DNV-GL, ABS, LRS, BV as standard with other Societies on a project by project basis.

- All hardware is Type Approved by the relevant IACS body.
- Project specific software configurations are managed according to the appropriate IACS society requirements.
- All power supplies appropriate to IACS requirement can be supplied by a qualified third party or via the Auto-Maskin team.

How do the DACUs communicate?

The DACUs (Data Acquisition and Control Units) communicate direct to the centralized Marine View servers in a normal installation. The connection is via the secure communication network. This significantly reduces installation costs, eliminating large multicore cable runs.

- Communication accordingly to DNV-GL standards are rigorously applied to all data communications.
- Communication is via the Marine View redundant Ethernet network eliminating transmission risks.
- DACUs convert all sensor and data bus types data to the Marine View Ethernet network traffic, providing a standard interface.
- When Auto-Maskin engine controllers are a part of the system, Marine View will automatically sense these units on the network, and both units will update one another automatically greatly reducing configuration resources and risk.

How is the system configured?

The Marine View system connects all main components in the system via Ethernet and utilizes redundancy, automated backup, expandability and compliance to global standards, all to ensure safe operation, secure data, ease of installation and ease of use.

- Single or Dual redundant communication rings provide total redundancy and security.
- Single or redundant servers provide automated backup and system redundancy.
- DACUs communicate over the same network, providing vessel wide communication, and allowing centralized updating of unit softwares.
- Multiple operating stations with a wide range of screen sizes, equipped with touch or track ball pointing devices improve operational safety and efficiencies.
- Operating stations can be server or client based, the selection of which can help control costs.
- The Marine View software incorporates world class encryption where required, providing local and remote compliance to the highest security and operational standards.
- Centralized automation process means simpler software updates and licensing, greatly simplifying on board maintenance and reducing skill set needs.
- Full connectivity to all known communication standards in the marine and automation field.

How is a Marine View project managed?

Our team of project engineers will guide the customer through all steps of the project. Auto-Maskin reaches out and collaborates professionally with all involved parties, obtaining all necessary data from the correct resources.

- Auto-Maskin attends interface- and project meetings and organizes the information for the execution team.
- Auto-Maskin delivers requirements and guidelines as to how equipment and wiring shall be installed.
- FAT and other requested tests are being held at Auto-Maskin test facilities supported by skilled engineers.
- Auto-Maskin provides a team of engineers that manage commissioning in an organized and safe way complying with all relevant quality standards.

What type of inputs can be used by Marine View?

Marine View can accept any type of input, and develop outputs to any requirements. Designed to be flexible, adaptable and easy to configure.

- DACUs (Data Acquisition and Control Unit) convert any sensor type to the Marine View Ethernet bus.
- Acquisition of 3rd party data into Marine View is simple, with more than 300 protocols built in.
- Specifiers can purchase what they need, when they need it.

Can Marine View provide or integrate to PMS?

Marine View is entirely capable of providing owners and crew with safe, reliable, and secure management of power on board. Several strategies can be supported, depending upon the existing or planned scopes.

- Marine View supports standard protocols for power plants ensuring safe, efficient and secure plant operation and makes communication possible with most systems.
- Marine View as an advanced PMS system with its own software which is IACS Classifiable.
- Marine View can incorporate Auto-Maskin's LSU 408 units and 3rd party stand alone controllers with the possibility to interface to any customer / project selected PMS system, providing just display and command.