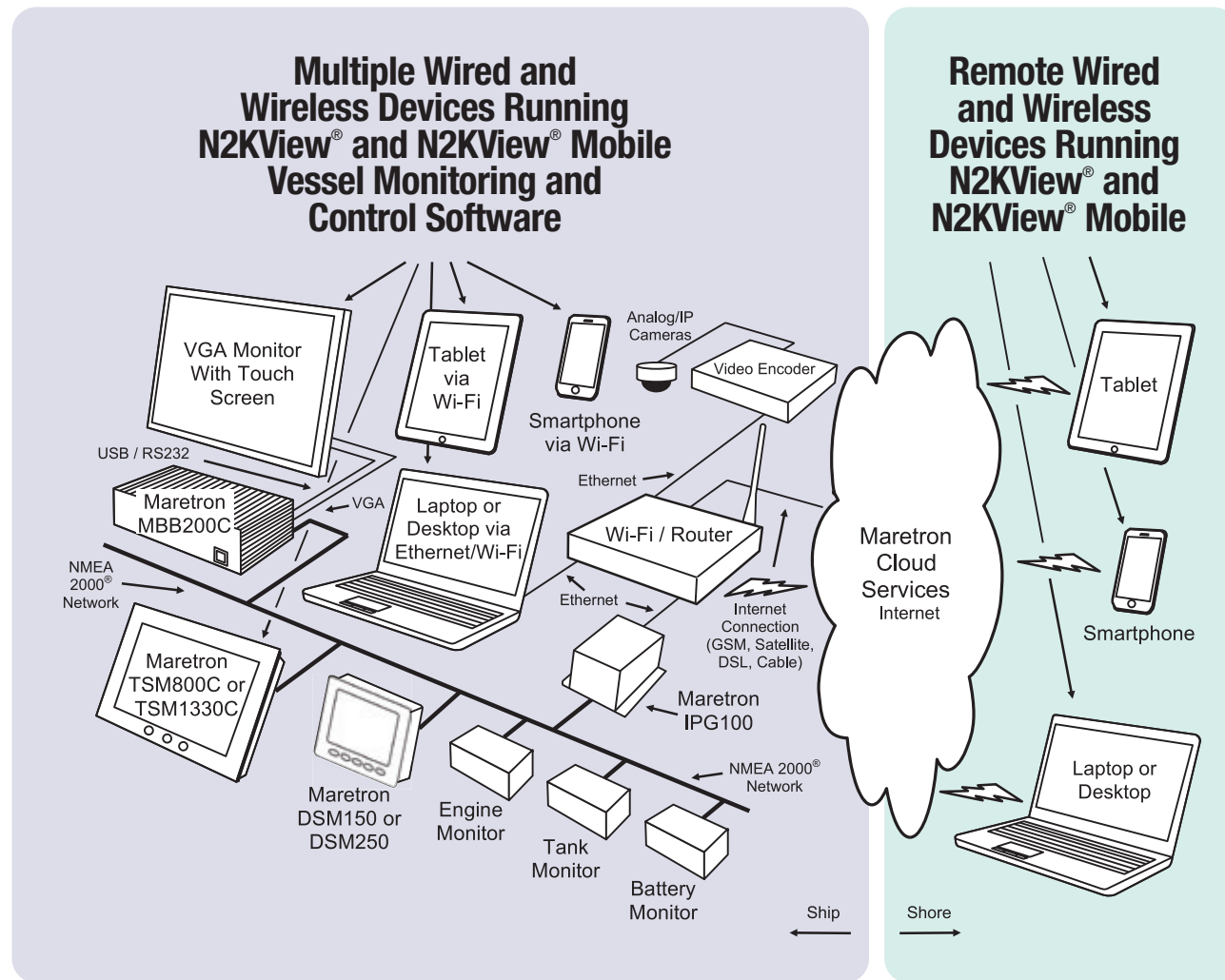# Maretron Cloud Services

Maretron Cloud Services allows you to remotely and seamlessly connect to your vessel using N2KView® or N2KView® Mobile software so you can monitor and control your vessel from anywhere in the world. As long as there is an Internet connection to the vessel, Maretron's Internet Protocol Gateway (IPG100) will automatically log into Maretron's Internet cloud server and the vessel's information will be made available to any remote N2KView® or N2KView® Mobile. Connection between your vessel and remote N2KView® software has never been easier, whether your vessel's Internet connection is via a marina WiFi, satellite connection, GSM or cell phone modem, or any other type of Internet connection, you'll have access to the vessel from anywhere in the world.

Using Maretron Cloud Services is simple – just imagine receiving an email or text notification from the vessel indicating a problem and then simply logging onto the vessel using a smart phone, tablet, or PC. Using Maretron's N2KView® vessel monitoring and control software, you get a better understanding of the problem and you can even initiate a corrective action like resetting tripped breakers or turning on auxiliary pumps or lights. Or maybe you just want to adjust the air conditioner or start the ice maker on your way to the boat. Whatever the reason, Maretron Cloud Services provides you with a seamless connection to your vessel for peace of mind and convenient access from anywhere in the world.

Maretron®
Vessel Monitoring & Control Systems

Multiple Wired and Wireless Devices Running N2KView® and N2KView® Mobile Vessel Monitoring and Control Software

Remote Wired and Wireless Devices Running N2KView® and N2KView® Mobile

Maretron®
Vessel Monitoring & Control Systems

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World-class standards in vessel monitoring and control systems.

Providing the tools for professional operators to access critical vessel performance data improving profitability. This is a guiding principle of Maretron.

Fuel Management

For a majority of commercial fleet operators, fuel consumption and the associated cost are a major concern. The ability to effectively monitor and thus control fuel consumption can lead to higher profits. Maretron offers precision fuel flow monitoring so you know exactly how much fuel is flowing at all times. When this is combined with GPS information, you will know exactly how much fuel it takes to go a certain distance.

Asset Security

Maretron also provides the boat owner with the ability to establish check points for established parameters that can monitor and store important and sensitive information. This provides a reliable source of valuable information which is helpful in determining the cause of a failure or accident of the vessel. Points of alarm can also be established throughout the vessel (doors, hatches, emergency room, high bilge, fire, etc.).

Reliability

Monitoring cooling, exhaust temperature, and oil pressure is critical to assuring reliable operation and maximum life cycle of any piece of equipment on board. Remote monitoring and alarm notification give the operator the possibility of remote monitoring and video plus e-mail and text notifications via cellular modem or satellite communication.

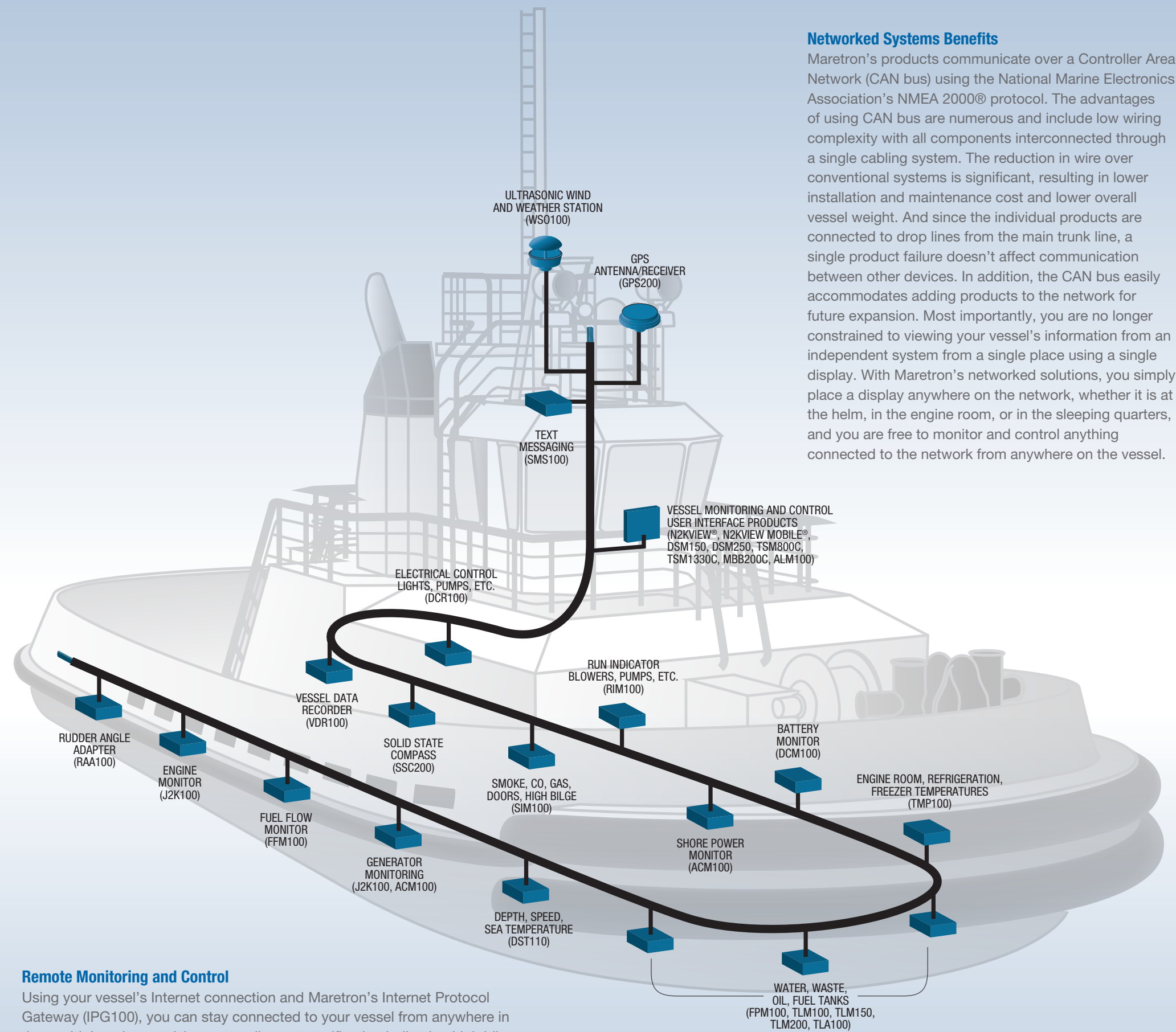## Data Collection and Recording

Vessel data can be recorded, displayed locally, and transmitted off the boat, providing precise information to the fleet operator's home office enabling instant trip reconciliation, saving time and improving billing accuracy.

Versatility and Ease of Installation

Usage of the highly reliable CAN bus networks allows a "single cable" installation for easy start up or future expansions and modifications. monitors and any HMI (Human Machine Interface) can be added at any point, like screens, PDAs' and smartphones.

Maretron. Providing solutions for all of your vessel monitoring and control needs.

www.maretron.com

Networked Systems Benefits

Maretron's products communicate over a Controller Area Network (CAN bus) using the National Marine Electronics Association's NMEA 2000® protocol. The advantages of using CAN bus are numerous and include low wiring complexity with all components interconnected through a single cabling system. The reduction in wire over conventional systems is significant, resulting in lower installation and maintenance cost and lower overall vessel weight. And since the individual products are connected to drop lines from the main trunk line, a single product failure doesn't affect communication between other devices. In addition, the CAN bus easily accommodates adding products to the network for future expansion. Most importantly, you are no longer constrained to viewing your vessel's information from an independent system from a single place using a single display. With Maretron's networked solutions, you simply place a display anywhere on the network, whether it is at the helm, in the engine room, or in the sleeping quarters, and you are free to monitor and control anything connected to the network from anywhere on the vessel.

ULTRASONIC WIND AND WEATHER STATION (WS0100)

GPS ANTENNA/RECEIVER (GPS200)

TEXT MESSAGING (SMS100)

VESSEL MONITORING AND CONTROL USER INTERFACE PRODUCTS (N2KVIEW®, N2KVIEW MOBILE®, DSM150, DSM250, TSM800C, TSM1330C, MBB200C, ALM100)

ELECTRICAL CONTROL LIGHTS, PUMPS, ETC. (DCR100)

RUN INDICATOR BLOWERS, PUMPS, ETC. (RIM100)

VESSEL DATA RECORDER (VDR100)

BATTERY MONITOR (DCM100)

RUDDER ANGLE ADAPTER (RAA100)

SOLID STATE COMPASS (SSC200)

ENGINE MONITOR (J2K100)

SMOKE, CO, GAS, DOORS, HIGH BILGE (SIM100)

ENGINE ROOM, REFRIGERATION, FREEZER TEMPERATURES (TMP100)

FUEL FLOW MONITOR (FFM100)

GENERATOR MONITORING (J2K100, ACM100)

SHORE POWER MONITOR (ACM100)

DEPTH, SPEED, SEA TEMPERATURE (DST110)

WATER, WASTE, OIL, FUEL TANKS (FPM100, TLM100, TLM150, TLM200, TLA100)

Remote Monitoring and Control

Using your vessel's Internet connection and Maretron's Internet Protocol Gateway (IPG100), you can stay connected to your vessel from anywhere in the world. Imagine receiving an email or text notification indicating high bilge water or a motion sensor alarm and then simply logging onto the vessel with your smart phone, tablet, or PC and starting an auxiliary bilge pump or switching on a light to scare off intruders. You can even watch live video feeds from the vessel so you can keep an eye on the vessel from anywhere in the world.