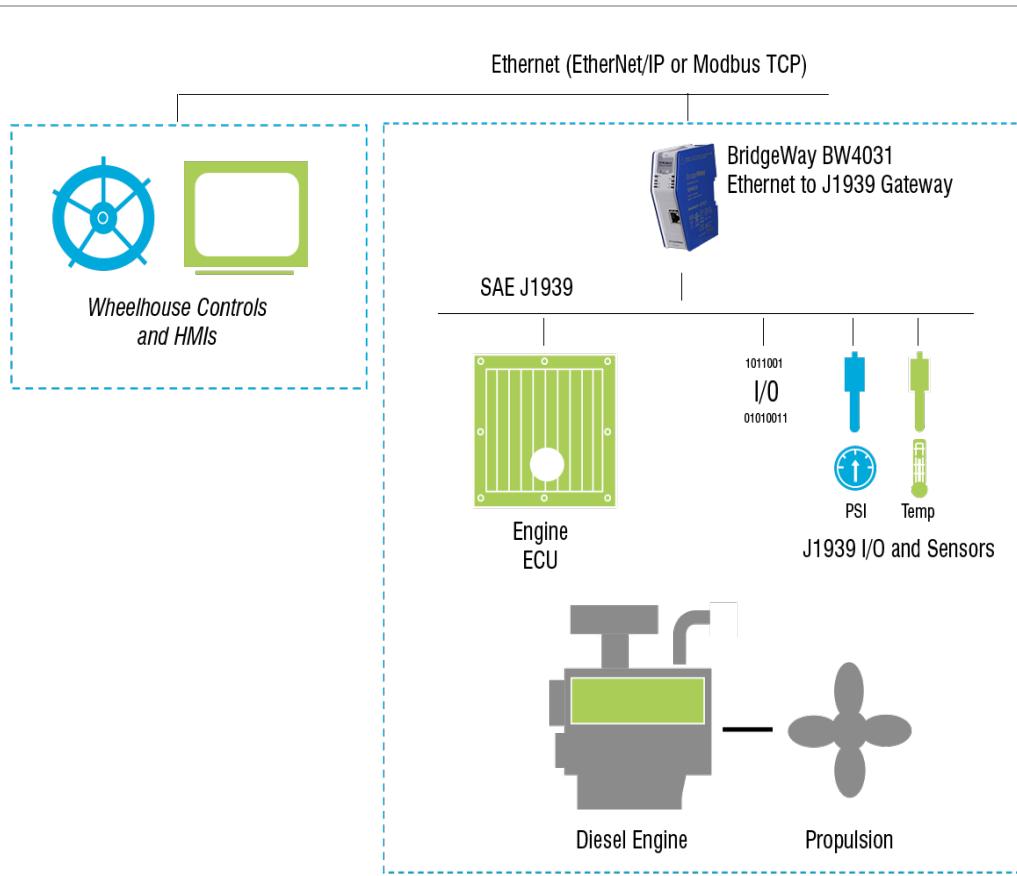


BridgeWay™ Ethernet to J1939 Gateway Interface (BW4031)

Control & Monitoring of a Marine Vessel Application



Pyramid Solutions' BridgeWay Ethernet to J1939 Gateway (BW4031) is a powerful and flexible product that enables connectivity from Automation Control Systems to Engine and other Vehicle and Equipment Control Systems that use SAE J1939 (over CAN) as the control network.

Application: Marine Vessels use HMIs in the Wheel House that display data, such as engine status, and provide controls to operate the vessel.

Problem: Large Marine vessels have the Wheel House located a significant distance from the Engine Room, which prevents the ability to directly tie into the Engine Control (SAE J1939) Network. Solutions, such as media converters and repeaters are expensive and can be prone to failure.

Solution: The BW4031 allows the Wheel House HMI to receive and send messages on the SAE J1939 network via standard Ethernet, which enables direct access to 1939 network data for the HMI displays and the ability to perform control operations, such as adjusting the engine speed.

Get up and running with BridgeWay Services

Need help designing a network solution? Configuring or integrating your BridgeWay? We offer consulting, development and system integration services, including custom software development, to help you achieve your specific application requirements.

Flexible BridgeWay gateways and interfaces offer a significant range of functionality and are used in a wide range of applications. Businesses that want to make the most of these capabilities, or even expand on them, can take advantage of our *professional services* expertise, especially when schedules are tight or custom functionality is required. We can create a solution package based on your specific needs, ranging from remote hourly support, to onsite services or turnkey custom development.

BridgeWay services include:

- BridgeWay solution network design, installation and configuration assistance
- BridgeWay and network training
- Remote support/consulting services (scheduled hourly services via phone or email)
- Onsite services (fixed price or hourly)
- Custom BridgeWay enhancements and PC software applications

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