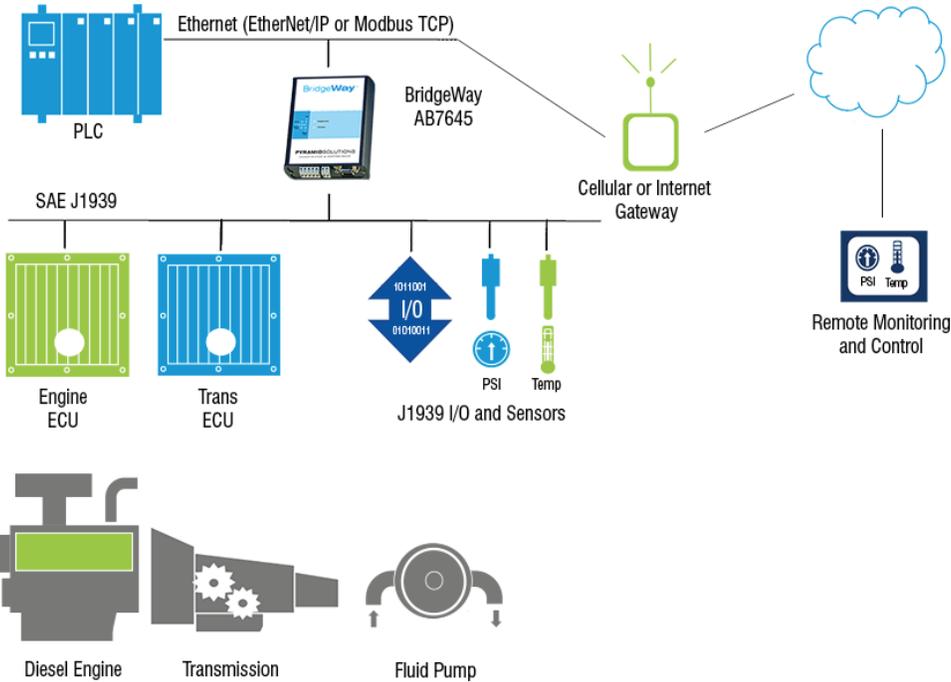


BridgeWay™ Ethernet to J1939 Gateway Interface (AB7645)

Control & Monitoring of a Remote Water Pumping Operation



Pyramid Solutions' BridgeWay Ethernet to J1939 Gateway (P/N AB7645) 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: Large diesel engine driven pumps are used to control the water level of natural bodies of water and man-made vessels, such as those used in manufacturing operations.

Problem: How to monitor and control a diesel engine and transmission over SAE J1939 (CAN vehicle network) via a standard Automation Controller (PLC) over EtherNet/IP or Modbus TCP. The pumping operation requires that the diesel engine and the transmission be controlled and monitored during the pumping operation by the Automation Controller, since it is remote with no operator.

Solution: The BridgeWay AB7645 allows the Automation Controller to receive and send messages on the SAE J1939 network, which enables direct access to 1939 network data and the ability to perform control operations, such as adjusting the engine speed and shifting the transmission during the pumping operation.

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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