



FENWAY SYSTEMS UTILIZES DEVICEMASTER FROM CONTROL TO FACILITATE DATA COMMUNICATIONS, SCADA MANAGEMENT

Fenway Systems, a leading provider of integrated solutions to the wind and solar energy industries, provides advanced onsite turbine and wind farm controls that deliver robust real-time monitoring and control capabilities.

With more than 20 years of industry experience, Fenway's advanced automation and reporting systems are currently used to operate 7,000 wind turbines, totaling more the 2 gigawatts of generating capacity globally.

Fenway's advanced solutions can be customized for turbine and equipment manufacturers' specific operating needs, which for a recent installation of more than 60 wind towers located in the Midwest, included the need for speed. Speed of data communications and effectiveness and power of Supervisory Control and Data Acquisition (SCADA) management.

"In our applications, the data messages tend to be fairly short—usually 10-100 bytes—so the efficiency for short messages is very important," says Joe Pasquariello President at Fenway.

To ensure efficient data acquisition and storage for these wind turbines, Fenway utilizes the DeviceMaster RTS VDC from Control.

"Through first testing a few different products, I determined that the throughput efficiency of most Ethernet/serial devices is much lower than in Control RTS products—particularly for short messages," Pasquariello explains.

Each wind turbine contains two DeviceMasters—the first of which gathers the data off of the controller. The second DeviceMaster works in conjunction with an electric meter that measures the amount of electricity the tower is generating. With this system, the wind turbines can communicate at high speeds, allowing sufficient responsiveness throughout the network.

"The wind turbine itself has a small computer in it that functions as a controller, gathering several data points, such as wind speed," said Chuck Griggs, senior sales representative at Control. "The data comes out of that controller as serial data, but the Fenway software requires it to be in the form of Ethernet network data. The DeviceMaster provides the bridge for this transaction."

"The DeviceMasters allow data collection for operational records as well as observation of individual tower operation from any office of the wind farm owner, allowing appropriate, immediate decision-making," Pasquariello said.

Plus, the robust DeviceMaster functions in a wide range of temperatures—from -37 to 74 degrees Celsius—and withstands additional harsh environmental obstacles, which can be common in electricity generation applications.

This installation of 60 wind towers joins over 600 wind towers that are currently in operation or under construction with the DeviceMaster.



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DeviceMaster® RTS Industrial Ethernet Gateways



ABOUT DEVICEMASTER RTS PRODUCTS

The DeviceMaster RTS family of serial to Ethernet device servers enable superior device networking capabilities. Connect RS-232/422/485 serial devices to the network with DeviceMaster using your existing software applications. Comtrol's DeviceMaster products feature enhanced security offering SSL & SSH management and SSL serial data stream encryption. The DeviceMaster products support native COM, TTY, or TCP/IP socket communications and provide up to 32-port high-density connections for specialized applications.

DEVICEMASTER RTS APPLICATIONS

Traffic and Transportation

- Intersection monitoring
- Tolling

Industrial Automation

- Machine diagnostics

Government

- Military training systems

Power Utility

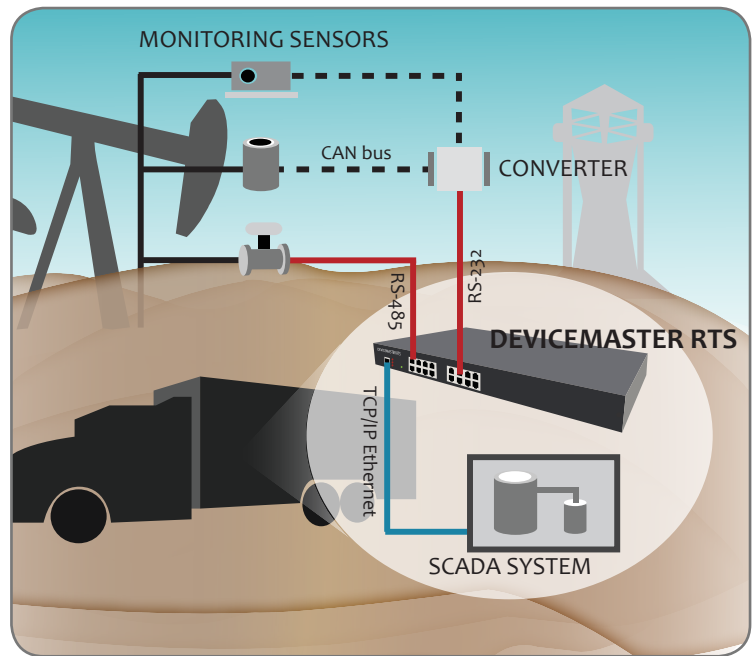
- Hydraulic fracturing
- SCADA system communication

Security

- Access control

Medical

- EMR systems
- Device integration



Warranty Information

Control offers a 30-day satisfaction guarantee and 5-year limited warranty.

Sales Support

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Technical Support

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