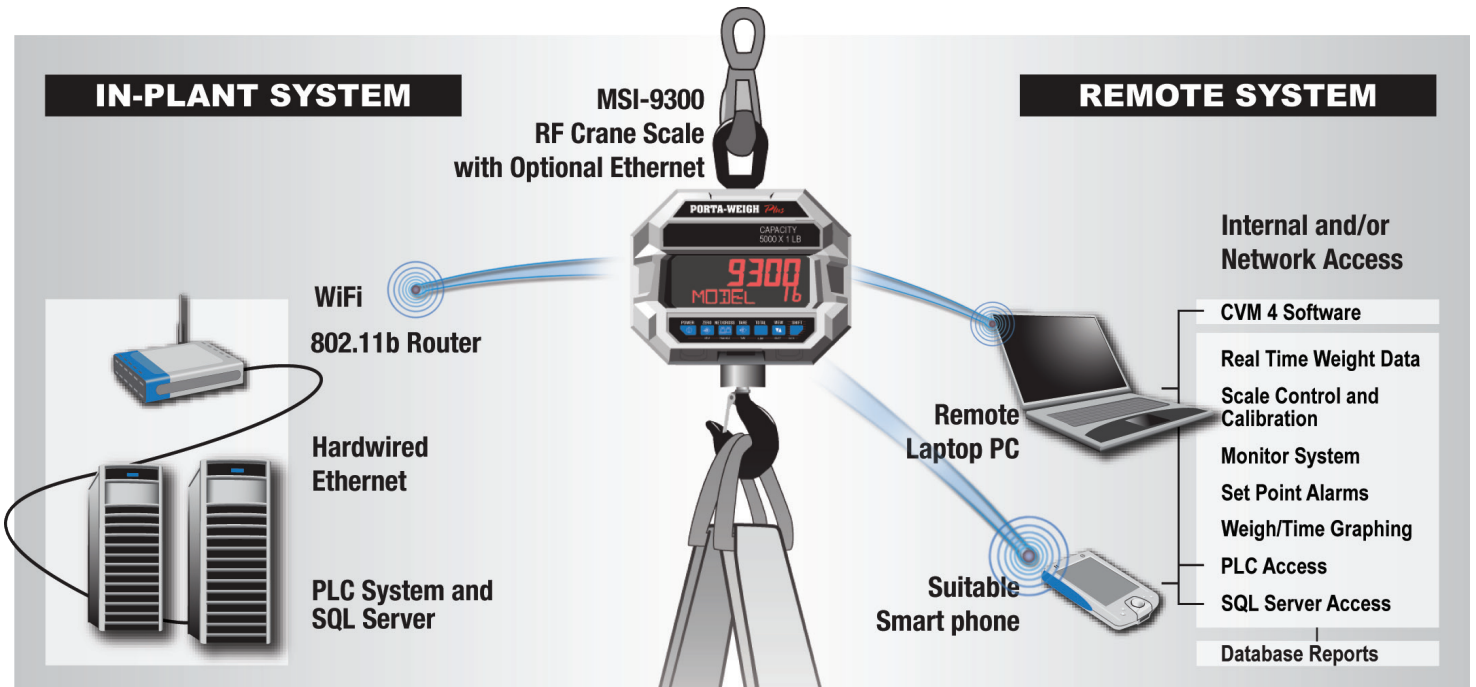


WIRELESS CRANE SCALE INTEGRATED WITH PLC AND SQL SERVER



Application Objective

A chemical processing facility wanted to integrate data from a crane scale to their PLC system and SQL server. A secondary goal was to provide real-time access to the scale data from anywhere within the plant network.

Solution

MSI provided the MSI-9300 RF crane scale with optional Ethernet 802.11b WiFi connectivity to meet the customer's objectives. The MSI-9300 offers the ability to connect to most wireless networks without the acquisition of additional hardware.

When connected to a wireless network, the MSI-9300 configuration and setup is accomplished with a simple web based utility. A user defined string of ASCII host commands allow the user to arrange and format data output. Scale data can be accessed through TCP/IP on a terminal program or using the features and benefits of PC compatible MSI-CVM 4 Software.

Configured commands capture Gross, Net Weight and Time/Date to send to the network PLC. A wedge program integrates the weight information from the PLC to the SQL server database. Management can then receive scale data directly from server to access reports from their workstation or smart phones.

Features and Benefits

The MSI-9300 with 802.11b WiFi links a customer's existing network infrastructure without purchasing additional hardware. MSI user-friendly ASCII host commands allow the programmer to customize data output and select parameters for system integration. Critical weight information previously not available to management can now be accessed from any connected PC or laptop. Additionally, integration of the MSI-9300 makes record keeping of individual lifts easy, organized and instantaneous.

System Components

1 ea. MSI-9300 with Optional Ethernet
802.11b WiFi

Contact MSI today for more information on CellScale network solutions and/or to arrange an application review and proposal.



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