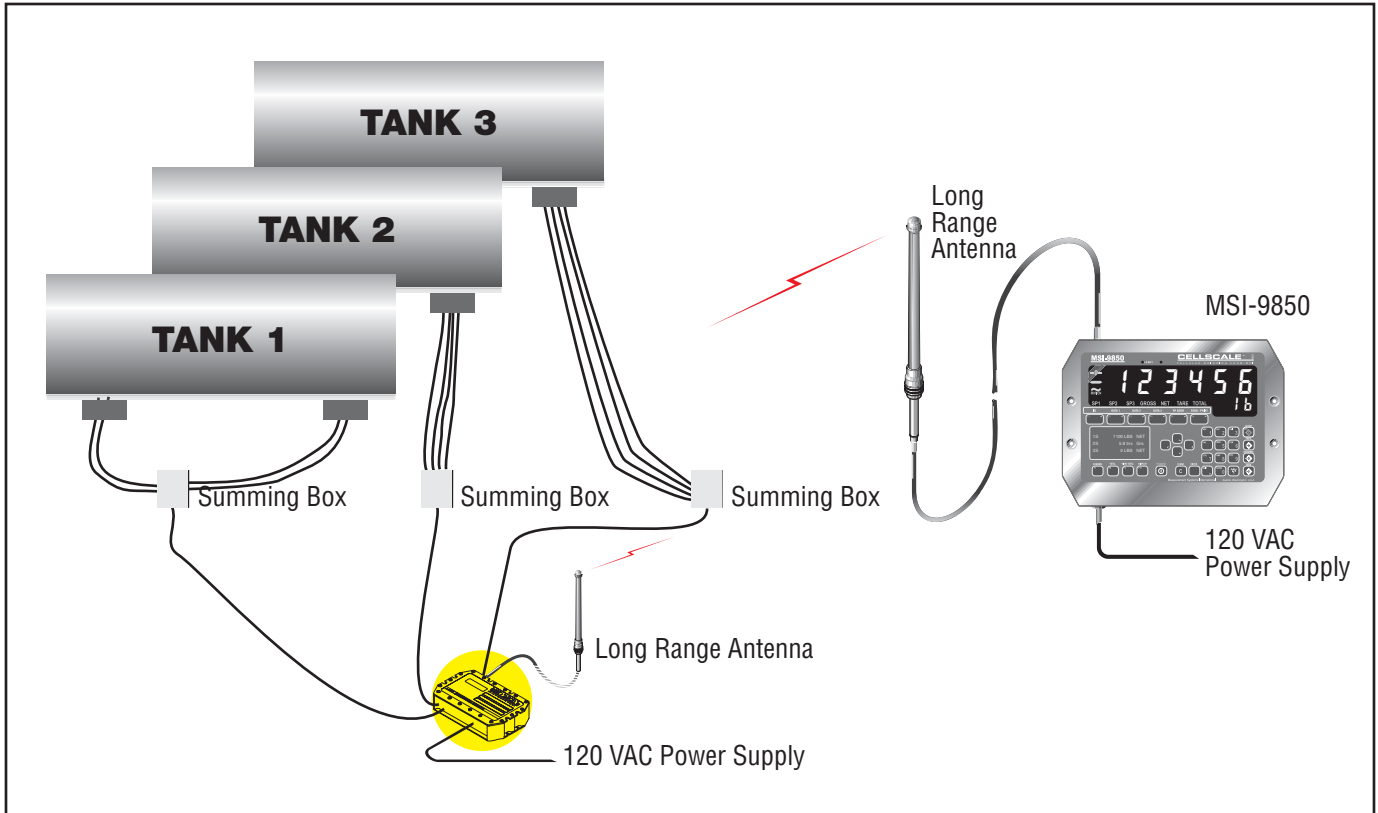


Outdoor Multi-Tank Weighing System



Application

A processing plant wanted to integrate a multi-tank weighing system to monitor fluid levels in real time. Access to power was nearby the tanks, however their location was more than 1000ft from the plant on the other side of the adjacent parking lot.

Solution

Installation of a simple, wireless CellScale Network proved to be the most cost effective solution. Four compression load cells were placed under each tank, their outputs were summed together using the

MSI-9002 Summing Boxes, and wired to an MSI-9000 CellScale with the dual A/D option. This allowed one CellScale to be used with all three tanks. The CellScale was set up to communicate with the MSI-9850 RF Digital Indicator at the plant. Long range antennas were used on the transmitting / receiving components to ensure reliable communications.

Features and Benefits

The CellScale Wireless Network installation saved considerable time and expense, allowing the parking lot to remain in tact by not having to bury

cables to the MSI-9850 at the plant. The information display on the MSI-9850 enabled all 3 tanks to be monitored simultaneously; with a touch of a button operators could choose which tank to monitor on its large primary weight display. Set points were programmed for each tank to alert operators of low tank levels before they were empty.

Contact MSI now for more information on CellScale Network Solutions and/or to arrange an application review and proposal.