

Fruit Weighing

Load Cell and Wireless Telemetry System

Industry: IoT

Summary

Customer Challenge

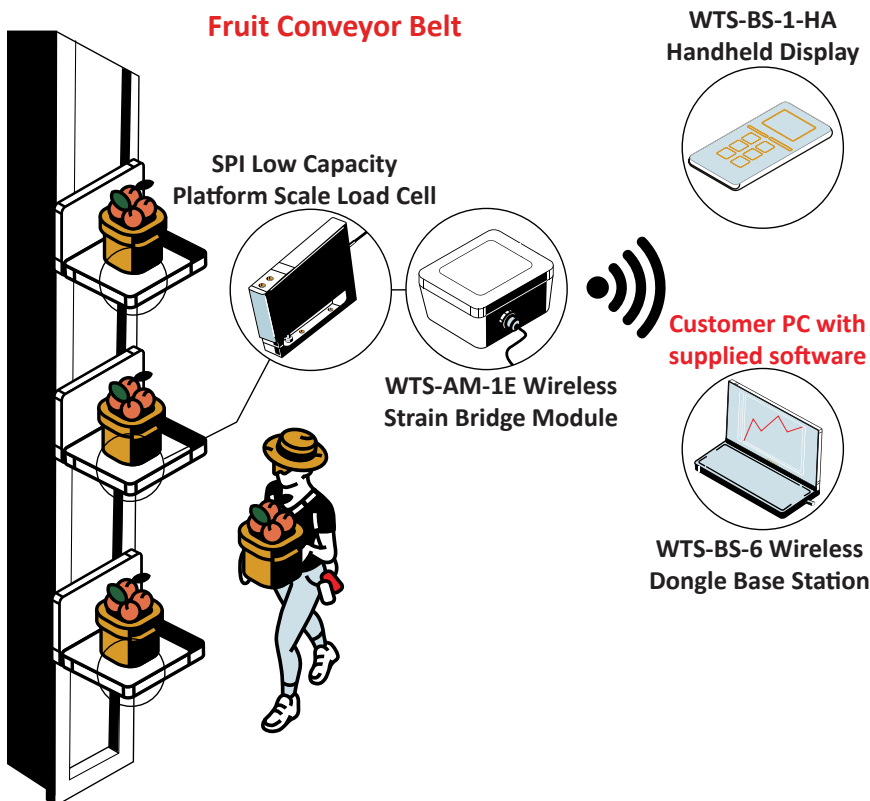
A customer owns and operates a fruit packaging plant. They want to weigh the bins full of fruit that are loaded onto conveyor belts that transfer the fruit to other steps of the distribution process.

Interface Solution

Interface suggests installing SPI Low Capacity Platform Scale Load Cells, along with WTS-AM-1E Wireless Strain Bridge Transmitter Modules, in the center of the platforms the bins of fruit are loaded on. The WTS-AM-1E's wirelessly transmit the data collected from the SPI's to the WTS-BS-1-HA Wireless Handheld Display for multiple transmitters, and the WTS-BS-6 Wireless Telemetry Dongle Base Station when connected to the customer's PC. Results can be graphed, logged, and seen in real time.

Results

Interface's load cells and Wireless Telemetry System successfully weighed the fruit bins in real time when loaded onto the conveyor belt.



How It Works

1. The SPI Low Capacity Platform Scale Load Cells and WTS-AM-1E Wireless Strain Bridge Transmitter Modules are installed in the center of the platform plates.
2. The fruit bins are loaded on.
3. The weight is captured by the SPI's, and the WTS-AM-1E's wirelessly transmit the data to both the WTS-BS-1-HA Wireless Handheld Display for multiple transmitters and the WTS-BS-6 Wireless Telemetry Dongle Base Station with supplied software on the customer's PC.

Materials

- SPI Low Capacity Platform Scale Load Cells
- WTS-AM-1E Wireless Strain Bridge Transmitter Modules
- WTS-BS-6 Wireless Telemetry Dongle Base Station with supplied software
- WTS-BS-1-HA Wireless Handheld Display for multiple transmitters
- Customer PC or Laptop