Truck Weigh Bridge

Wireless Telemetry System

Industry: IoT

Summary

Customer Challenge

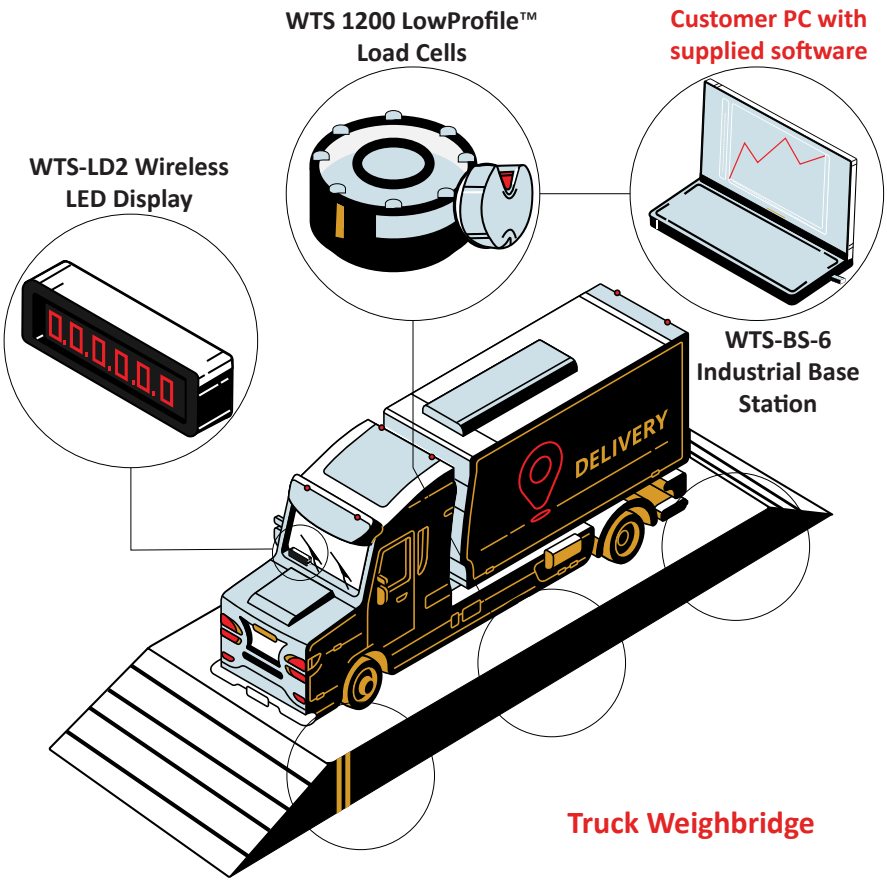
A customer owns a truck company and needs to record the weight or loads being carried by their trucks. They would like a wireless weighing bridge that is able to transmit, log, and display the results in real time.

Interface Solution

Interface suggests installing multiple WTS 1200 LowProfile™ Load Cells under a weighing bridge. When a truck drives over it, the load cells will transmit the force results wirelessly to the WTS-BS-4 Industrial Base Station connected to the customer's PC with provided Log100 software. The WTS-LD2 Wireless Large LED Display can also display the weight inside for the driver to see in real time.

Results

The customer was able to measure, log, and graph the different loads their trucks carried wirelessly onto the weighbridge with success.



Materials

- WTS 1200 Standard Precision LowProfile™ Wireless Load Cells
- WTS-BS-4 USB Industrial Base Station
- WTS-LD2 Wireless Large LED Display
- WTS Toolkit and Log100 Software
- Customer PC or Laptop

How It Works

1. Multiple WTS 1200 Standard Precision LowProfile™ Wireless Load Cells are installed and mounted to the bottom of the truck weighbridge.
2. The load cells collect the force measurements and sum the total weight of the truck that is carrying a heavy load.
3. The data is transmitted to the customer's laptop through the WTS-BS-4 USB Industrial Base Station using the Log100 Software. The sum weight data can be logged, graphed, and sent to the cloud using the supplied software.
4. The WTS-LD2 Wireless Large LED Display can also display the weight inside of the vehicle for the driver to see in real time.

interface
FORCE MEASUREMENT SOLUTIONS

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