

# Santa's Sleigh Scale

## WTS Wireless Telemetry System

Industry: Weighing

### Summary

#### Customer Challenge

Santa Claus is getting ready for the big trip to give his gifts to children around the world. A weighing system is needed to ensure his sleigh is not overloaded during the transportation flight.

#### Interface Solution

Interface suggests installing multiple WTS 1200 LowProfile™ Load Cells in the sleigh weighing scale. Santa's sleigh with a large bag full of toys goes over it, and the load cells will capture the weight. Results transmit 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

Santa Claus was able to monitor his sleigh in real-time with Interface's wireless load cells and instrumentation.

### 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
- Santa's 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 sleigh weighing scale.
2. The load cells collect the force measurements and sum the total weight of the sleigh carrying the bag of toys.
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 of the sleigh for Santa to see in real time.

