

# Mining Truck Scale Load Pin

Industry: Natural Resources, Weighing

## Summary

### Customer Challenge

Mining trucks carry many different loads such as ore, coal, and minerals. A weighing system is needed to ensure the mining truck is not overloaded during transportation.

### Interface Solution

Interface suggests installing multiple WTS 1200 LowProfile™ Load Cells in the truck weighing scale. A mining truck with a heavy load drives 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

The customer was able to monitor the mining truck with different loads in real-time with Interface's wireless load cells.

## 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 weighing scale.
2. The load cells collect the force measurements and sum the total weight of the mining truck 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.

