Garbage Truck On-Board Weighing

Torque Transducer

Industry: Test and Measurement

Summary

Customer Challenge

A garbage disposal company wants to test the load capacity of their garbage truck bins, so they know when it has reached maximum capacity.

Interface Solution

Interface's solution is to customize and install four SSB Sealed Beam Load Cells under the garbage box body, on either side. When trash continues to be piled inside the box body, it will push more force down onto the SSB Sealed Beam Load Cells. When maximum load capacity has been reached, the results can be reviewed and displayed when connected to the 4850 Battery Powered Bluetooth Weight Indicator in real time.

Results

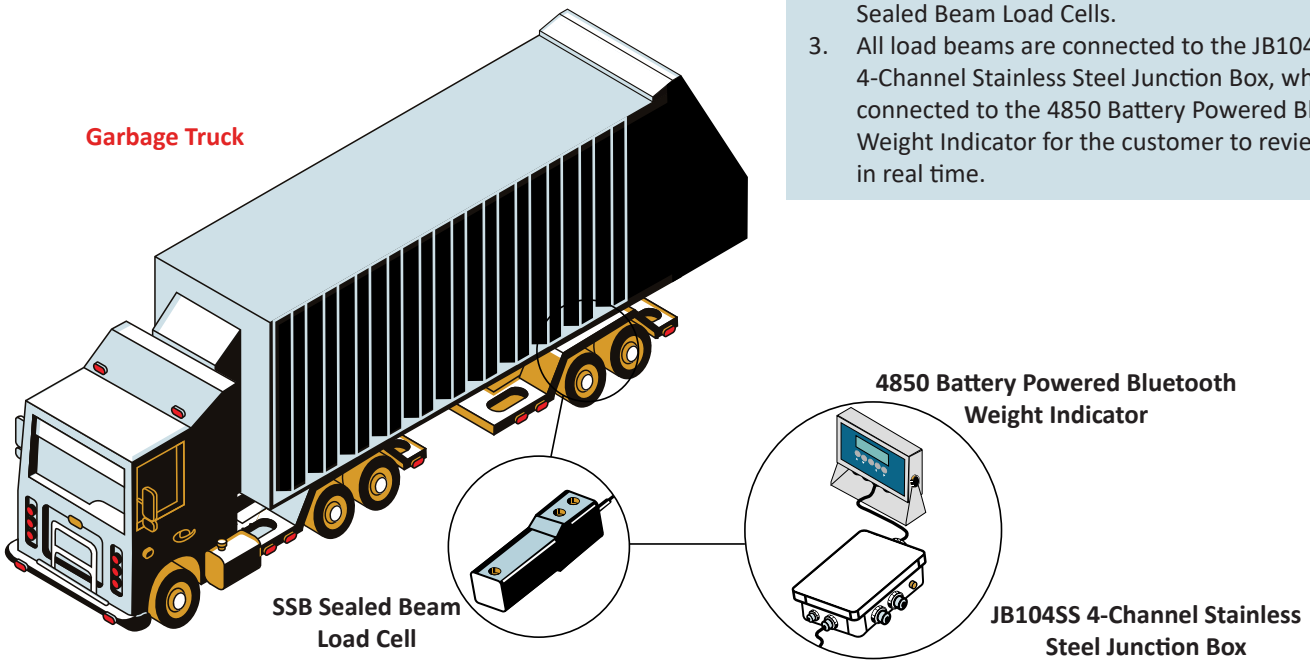
The customer was able to test the maximum load capacity of the garbage bin attached to the truck, so they know when to empty the truck's garbage at the transfer station.

Materials

- Four SSB Sealed Beam Load Cells
- JB104SS 4-Channel Stainless Steel Junction Box
- 4850 Battery Powered Bluetooth Weight Indicator

How It Works

1. The SSB Sealed Beam Load Cells are installed under the truck's garbage box body, on opposite sides.
2. As more trash is collected into the box body, more force weight is added and measured using the SSB Sealed Beam Load Cells.
3. All load beams are connected to the JB104SS 4-Channel Stainless Steel Junction Box, which is then connected to the 4850 Battery Powered Bluetooth Weight Indicator for the customer to review results in real time.



interface
FORCE MEASUREMENT SOLUTIONS
7418 East Helm Drive, Scottsdale, AZ 85260 ▪ 480.948.5555 ▪ interfaceforce.com