

# Crude Oil Weighing Load Cells

Industry: Energy

## Summary

### Customer Challenge

When oil is extracted from the ground, a refinement process follows to remove sediments and other impurities. After the filtering process, the crude oil needs to be weighed in order to be redistributed. A weighing system is needed to measure mass amounts of crude oil.

### Interface Solution

Interface's solution is to bolt four SSB Sealed Beam Load Cells at the bottom of a metal platform. Barrels of crude oil are weighed, and the SSB Sealed Beam Load Cells will measure the force applied. With all four connected to JB104SS Junction Box, which is then connected to the 480 Bidirectional Weight Indicator, combined accurate weight results will be displayed.

### Results

Interface's industrial weighing system accurately weighed the barrels of crude oil, so it can move onto the next process of distribution.

## Materials

- Four SSB Sealed Beam Load Cells
- JB104SS Junction Box
- 480 Bidirectional Weight Indicator

## How It Works

1. Four SSB Sealed Beam Load Cells are bolted to the bottom of a metal platform.
2. Barrels of crude oil are placed on the Interface's industrial scale, where it was weighed on the metal platform.
3. The multiple SSB's were wired together to a JB104SS Junction Box, which was then connected to the 480 Bidirectional Weight Indicator to measure the combined results of the four SSB Sealed Beam Load Cells.

