

# Proppant Silo System Interface Mini™

Industry: Energy

## Summary

### Customer Challenge

A proppant silo system stores proppants such as sand, ceramic, or other materials. From the silo it is then transported to the well site. A force system is needed to measure the amount of proppant that needs to be transferred out of the silos to the well-bore site.

### Interface Solution

Interface suggests using the PBLC Pillow Block Load Bearing Load Cells on the conveyor belts that are used to transfer the proppant from silos into a transfer truck. The PBLC's measure and monitor the force of the conveyor belt, while preventing misalignment. When connected to the 920i Programmable Weight Indicator and Controller, the customer can see the total weight of proppant being transported.

### Results

When connected to the 920i Programmable Weight Indicator and Controller, the customer can see the total weight of the proppant being transported.

## Materials

- PBLC Pillow Block Load Bearing Load Cells
- 920i Programmable Weight Indicator and Controller

## How It Works

1. The PBLC Pillow Block Load Bearing Load Cells are installed at the wheels at each end of the conveyor belt.
2. When connected to the 920i Programmable Weight Indicator and Controller, the customer can see the weight for every pillow block or the total weight of proppant being transported.

