

Application Brief

Storage Silo Conversion

Industry:
Chemical

Customer:
National Starch and Chemical

Application:
Level Control

Contact Person:
Harry Owens - Indianapolis

Products:
Ring Mount Load Cells and JagXtreme

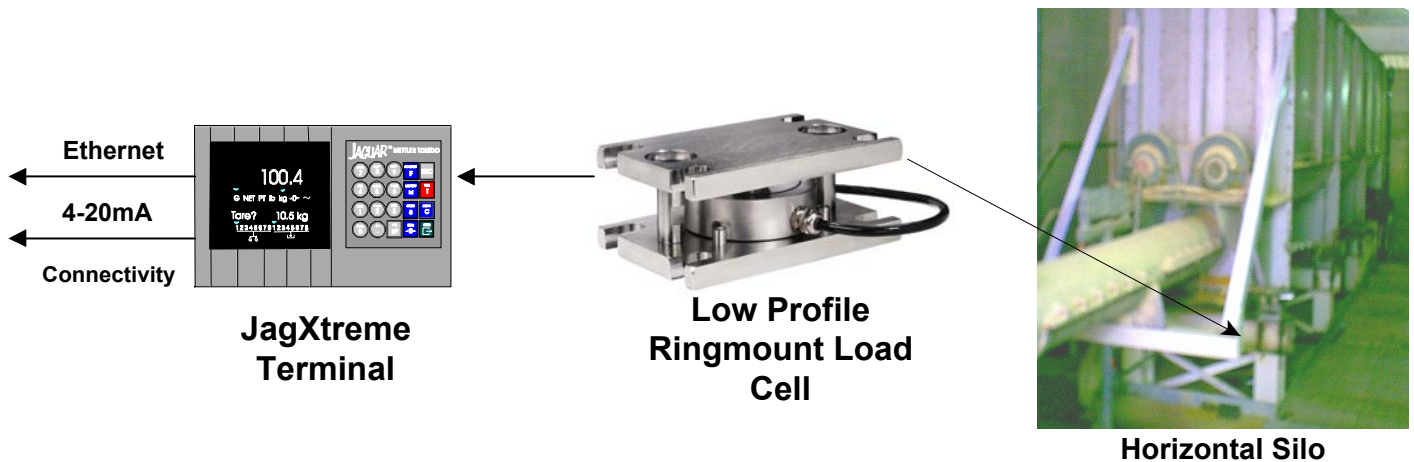
Reference Number:
SSC#: 06-013827

Customer Requirement:

The customer had an existing horizontal silo which stored corn starch prior to being sent into the main process line. There was no way to accurately determine the amount of product in the silo, and other technologies were not accurate or reliable. The process needed to know when the tank was “running low” of product in order to advise the operator to re-fill to a safe level required by the process.

SSC Solution - Hardware and Configuration:

The existing silo was not originally designed to accept load cells. All legs were welded to various structures and were fixed. The SSC Solution included “notching areas” in the existing I-Beams and inserting low profile, **Ringmount Load Cells**. Since the load cells were less than 3" tall, minimum cutting and modification was required. The **JagXtreme Terminal** supplied not only an Ethernet connection for the engineer, but also a 4-20mA output for use by the customers distributed control system.



Features

- Ring Mount Load Cell
- Ethernet and 4-20mA outputs
- Setpoint Control

Customer Benefit

- Provides accurate, repeatable results
- Customer interfacing flexibility
- Customer will get alarm output if low level is detected