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Information provided by:
Chris Mohr, Kentronics

Customers cannot resist the **SiloPatrol**® Inventory Monitoring System once they have seen it in action. Kentronics, the local Monitor Rep, used a hands-on demonstration to sell the **SiloPatrol** system to a 3M facility.



At this facility, the customer manufactures a proprietary product. The final product is achieved by combining two different raw materials, which are stored in silos. Once the final product is created, it is stored in a silo as well. The customer wanted a continuous inventory system to monitor the raw material as well as the finished product.

The raw material silos were easy applications for the **SiloPatrol**. However, the finished product bins presented a challenge because the material has a bulk density far less than 5lbs/ft³. The customer tried other technologies, but none worked on this extremely lightweight material.

Chris Mohr arrived at the facility armed with a demo **SiloPatrol** SMU on a tripod. Initially the SMU was to be tested on a 5-gallon bucket of the final product. Concerned that a 5-gallon bucket would not give a good representation of the materials characteristics within the silo, Mohr mounted the tripod with SMU onto a wood pallet. The pallet was placed over a large box of the material and the center of the pallet was cut out to allow the plumb bob to drop into the container. Due to the lightweight nature of the material (an extreme challenge), an inverted cone plumb bob was used.

This enthusiastic hands-on demo orchestrated by Mohr resulted in the purchase of 4 SMUs and two 2-channel HMIs that have provided "four years of flawless operation" according to the customer. The customer also noted that the **SiloPatrol** system is "one of the few devices we have that operates flawlessly."▼



News Briefs

NEW DustAlarm® Broken Bag Detector

While providing the same reliability and sensitivity, Monitor Technologies' new **DustAlarm** Broken Bag Detector is an enhancement over the previous design. Continuing to utilize the same proven triboelectric technology the **DustAlarm** supplies reliable and economical detection of filter failures in exhaust ducts of baghouses, cartridge collectors, and other types of dust collection equipment.

Some of the new features of the **DustAlarm** are an adjustable alarm level, two conduit entrances with cable glands, a quick-disconnect mounting and a low VDC power supply option. The **DustAlarm** incorporates a rugged design with a NEMA 4 housing, screw-on/off cover for easier access, and LEDs to simplify installation and setup.

As with all Monitor's products, the **DustAlarm** is competitively priced and backed by an industry-leading two-year warranty. In addition, special options are available for high temperature applications such as a high temperature insulator and split-architecture configuration with remote probe/electronics.▼



NEW Housing Design Revitalizes Bin Level Monitor



No more bolts to hold or lose is just one advantage of Monitor Technologies' new hassle-free housing for the rotary paddle bin monitor. The new housing with 2 conduit entrances improves upon the most reliable, versatile and economical point level control sensor available for detection of dry bulk materials.

Unlike many other available paddle units, Monitor's rotary paddle level indicators incorporate a feature that automatically shuts off the motor of the unit when the paddle is in a stalled position, which both extends the life of the motor and minimizes maintenance. Monitor's paddle units also have a built-in slip clutch to protect motor and drive gears from excessive forces and longer-lasting sealed bearings. Additionally, the paddle units' housing is NEMA 4 and an explosion-proof unit is also available.

Because different material densities, particle sizes and flow characteristics require specific paddles for optimum performance, Monitor offers a variety of interchangeable paddle assemblies to fit most bulk solid application needs. Additionally, Monitor offers a high-temperature unit and an assortment of process connections and accessories.▼