

Flexar™ Guided Wave Radar Continuous Level Measurement System

- ▼ Proven Flexar™ Technology Installed In Thousands Of Bulk Solids Applications
- ▼ Reliable TDR (a.k.a Reflex Radar) Technology Used For Decades
- ▼ “Smart” Transmitter Output For Use With Industry-Leading SiloTrack™ Inventory Management Software
- ▼ SiloTrack Software Is Network-Ready – Virtually Unlimited Users (Local & Remote)
- ▼ Wireless Sensor Interface Available (Summer 2006)
- ▼ Measuring Range Up To 100ft (30m) In Solids And 200ft (60m) In Liquids
- ▼ Unaffected By Airborne Dust, Bulk Density, Temperature, And Other Properties – Ideal For Powders And Pneumatically Filled Solids
- ▼ Process Temperatures To +392°F (200°C)
- ▼ No Field Calibration Required - Easy To Install And Setup
- ▼ Optional Analog Output For Easy Connection To Existing Control Systems Or Indicating Devices
- ▼ Hazardous Location Approvals Available



TYPICAL APPLICATIONS INCLUDE,
BUT ARE NOT LIMITED TO:

Feeds
Plastic Pellets
Coal Dust
Lime
Powders
Grains
Carbon Black
Silica

Bulk Chemicals
Cement
Aggregates
Oils
Fly Ash
Flour
PVC Powder

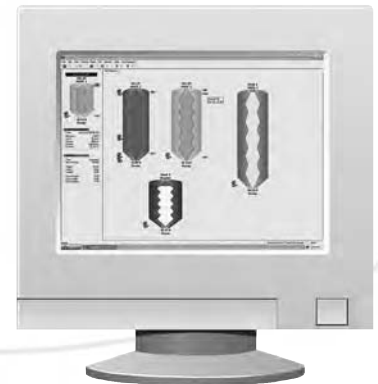
PROBLEM: “I have no idea how much material we have left in our cement and flyash bins. We need a reliable solution to make us more efficient.” - Fred Thompson, operations manager, Batavia Concrete

SOLUTION: Monitor Technologies introduced the Flexar™ guided wave radar continuous level measurement system in December 2005.

Observations during filling cycles were very good right off. Flexar didn't skip a beat, even with the heavy dust kicked up during pneumatic filling. Fred Thompson reports that he desires to install Flexar units at other plants within his regional area of responsibility. He prefers the true continuous nature of Flexar guided wave radar units.

SiloPatrol® Inventory Management System

- ▼ Second Edition Sensor Uses Hall Effect Technology (Patent Pending) To Maximize Application Reliability
- ▼ Industry-Best Measurement Resolution Of 1/100' (0.12"; 3mm)
- ▼ Second Edition Sensor Is Virtually Maintenance-Free
- ▼ Split-Compartment Enclosure Isolates Electronics And Measurement Optics From Process Material
- ▼ Process Seal Relocated For Fast, Easy Replacement
- ▼ PC-Based Inventory Solutions Or Simple HMI Keypad/Display
- ▼ Pulse And Analog Output Available
- ▼ Hazardous Location Sensor Version
- ▼ Wireless Sensor Interface Solutions
- ▼ Auxiliary System Outputs Available



TYPICAL APPLICATIONS INCLUDE, BUT ARE NOT LIMITED TO:

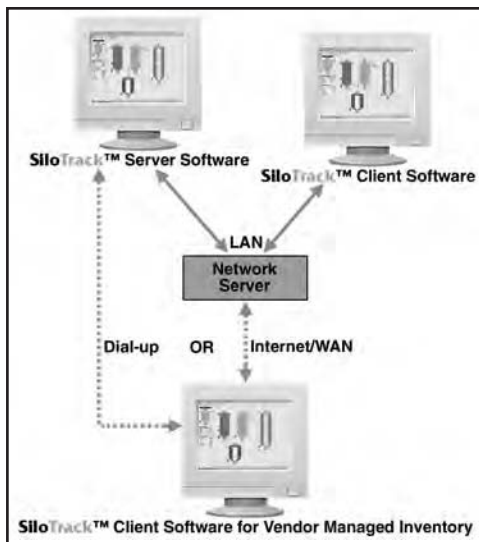
Feeds	Bulk Chemicals
Cement	Plastic Pellets
Rocks	Charcoal
Liquids	Sand
Limestone	Plastic Re grind
Oils	Powders
Grains	Coal

PROBLEM: "We used a cable running up the side of the silo through the top and down inside with a weight attached to the end inside the silo. The end on the outside was attached to a hand winch. We would release the winch, lower the cable until it appeared it had hit the material surface. Then we would take a reading from a marker on the cable on the outside." The problem was measurement error and inconsistency due to the manual method employed.

SOLUTION: The SiloPatrol system eliminated the manual measurement process, the time taken to make the manual measurements, improved accuracy of measurement and overall reliability. The charcoal manufacturer realized savings in time and material. The system has been in use successfully for the past four years.



- ▼ **Sensor Interface For Flexar™ Guided Wave Radar And SiloPatrol® I&E Smart Cable-Based Sensors Provides Flexibility And Ensures Performance**
- ▼ **Simple English/Spanish Language Switching**
- ▼ **Immediate Access To Important Data Via Network Ready Server/Client System Via LAN, WAN/Internet And Dial-Up**
- ▼ **Unique Set-Up Wizard And Intuitive Operation Simplifies Use And Operation**
- ▼ **SiloTrack™ System Security Will Satisfy Your IT Department**
- ▼ **Monitor Up To 128 Sensors And Display Distance, Level, Volume, Weight, %, As Well As Alarm, Relay And Sensor Status**
- ▼ **Advanced Features Including Multiple Sensors Per Vessel, Auto Report Generation & Transmission, Custom Curve-Fit Weight Table, Export Capabilities And Auxiliary Outputs**



Example configuration of a **SiloTrack™** system with a LAN and remote users.

SiloTrack™ Inventory Management Software Version 3.5 is the next evolution of Monitor's popular PC-based application software that provides users with an unsurpassed, flexible graphical interface for our industry-standard **SiloPatrol®** I&E Model SMU inventory monitoring sensors and our Flexar™ guided wave radar continuous level measurement sensors. Refer to bulletin 343A and 353A for more information.

SiloTrack software includes a Server and Client version. Together **SiloTrack** Server and Client provide inventory monitoring and management capability to a virtually unlimited number of users. Users can be internal and external to your facility, allowing you to easily implement remote inventory monitoring and vendor managed inventory.

The **SiloTrack** Server software is the master operator interface for our **SiloPatrol** I&E and Flexar "smart" sensors. This software is installed on the PC in which the RS-485 communication sensor network(s) will be connected. All application setup and configuration is done with the Server software.

The **SiloTrack** Client software provides remote users access to the inventory monitoring system and can be installed on PC's that can interface with the **SiloTrack** Server PC via LAN, WAN/Internet or Dial-up modem. Security is established in the **SiloTrack** Server software. The type and method of connection is established in the **SiloTrack** Client software. The **SiloTrack** Server software allows you to establish security for access by any Client user.

Auxiliary Output Enclosures (AOE) and Remote Display Units (RDU) can be added to make any **SiloTrack** system a true management and control system (RDU's can not be used with Flexar level sensors). Relay action and analog outputs are easily setup in the **SiloTrack** Server software.

