CASE STUDY

PROCESS

Continuous mass flow measurement of limestone

APPLICATION

At a limestone manufacturing site, limestone is mined in a quarry and afterwards ground and transported to a silo. The material is transported into the silo via a pneumatic line.

The quantity of limestone was determined on the basis of the theoretical data provided by the plant operator's employees, however, the objective was to measure the material flow rate continuously.

PROCESS DATA

Customer:	Limestone manufacturer
Material:	Limestone
Flow rate:	Approx. 15 t/h
Installation:	Pneumatic line
Function:	Exact measurement of flow rate

SOLUTION

SolidFlow 2.0 is specially designed for mass flow measurement of solids conveyed in pipes. It continuously measures solids quantities of up to 20 t/h in free fall and in pneumatic applications and has an active roping compensation.
This allows measurement errors that occur due to roping to be compensated.
In the described application SolidFlow 2.0 is used in the pneumatic transport line.
The sensor can be calibrated and transmits the exact measurement data to the control system.
Ease of installation together with simple calibration features, the SolidFlow 2.0 is proven as an extremely effective mass flow measurement system for bulk solids.

SolidFlow 2.0

CUSTOMER BENEFITS

- robust, durable, process-safe sensor technology
- simple, fast calibration
- detailed verification of the flow rates
- non-intrusive installation

Monitoring for Powder, Dust & Gas

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