

Application

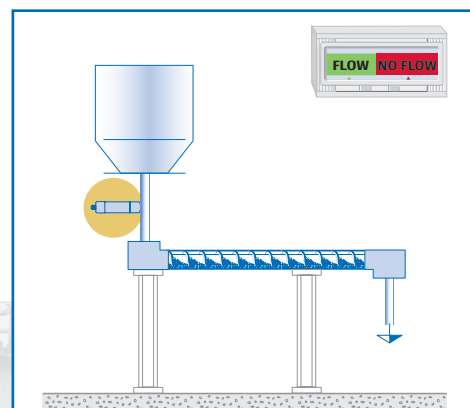
A producer of building materials manufactures blaster base sheetings for the insulation of building facades. During the production of these plates concrete is applied on a carrier material. Therefore the manufacturer uses white and grey concrete, which are stored in silos.

After the silo the material is transported to the production place by a chain of screw conveyors, a buffer tank and a conveyor belt. To guarantee an error free production without down times, material has to be permanently available at the outlet of the silo.



Process Data

Customer:	plant constructor, final customer producer of building material (Switzerland)
Material:	white and grey concrete
Installation location:	silo outlet before screw conveyor
Function:	material detection at silo outlet

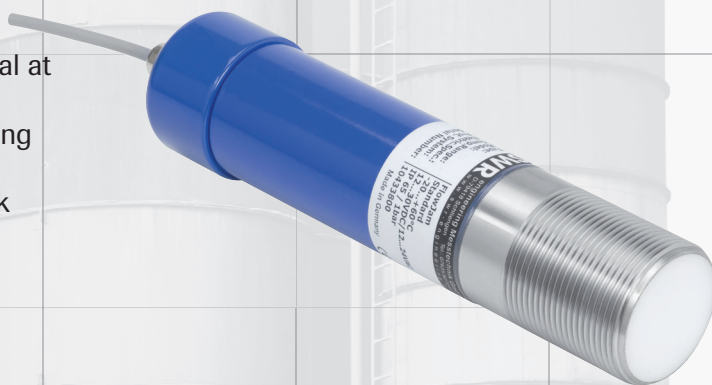


Solution

The FlowJam is a microwave detector for non-contact monitoring of material for flow or no flow condition. In this application the FlowJam detects if there is material available at the silo outlet.

The signal of the FlowJam generates a visual signal at the production area, so the employee knows the material is available at the start of the conveying chain.

In case of interruption in the material flow, a quick reaction is possible and thereby draining of the conveying system can be avoided.



Customer benefit

- production security by monitoring of material flow
- avoidance of shutdown ore waiting time during production process and system start up
- increase of plant efficiency

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