

Level control in the dust cyclone of the pulp mill



The challenge

A customer is looking for a level limit sensor in a cyclon hopper, where beet pulp is filled for the production of animal food. The challenge is thi high dust content, process temperature upt to 250°C and the hazardous location.

Our solution

The solution in this application is the rotating paddle switch Rotonivo RN3001, which is used as a demand detector. With the temperature extended shaft, which protects the electronics against zu much heat, and the teflon sealings at the process side it can be used up to 250°C process temperature. This kind of measuring principle works independently of dusty environment and sticky material. The sensitivity can be adjusted. The Rotonivo sensors can be installed in explosion zone 20/21. The perfect solution in this harsh application.

Products



RN 3001

Full, demand, empty detector

Short version

- Vertical, horizontal and oblique installation.
- Compact boom length, from 70mm.
- Particularly suitable for small process vessels.