

Contents measurement in PVC-granulate

The Challenge

Our customer is the greatest producer of building elements based on PVC in Russia. He requested a reliable and cost-effective solution for level control and limit control in his storage silos containing plastic components during the filling process. The system should support the automatisisation of the material disposition for the storage silos.

Our Solution

For the level control of the silos containing PVC granular the electromechanical sensor Nivobob NB3100 was chosen. It was important to have an easy commissioning and a reliable system. The Nivobob works perfect in plastic granulars and also powders, because it is independent from the dielectric constant of the solid and other bad conditions like dust, sticky material or high humidity. The UWT Nivobob solved the problems, the customer had with contactless sensors and guarantees now the correct function of the plant. With the rotating paddle switch Rotonivo RN3000 the full- and empty detection in the silos is realized. It always delivers reliable signals for the control system.



Products



NB 3100 Rope Version

Continuous Level Measurement

- Suitable for use in most granular and coarse bulk materials.
- Threaded or flange mounting.
- Measuring range up to 30m.
- Convenient level monitoring via Modbus interface together with price competitive NivoTec 3500/4500.



RN 3002 Tube Extension

Full Detector

Tube extension version

- Vertical or oblique installation.
- Protection tube ensures high mechanical load strength to the shaft.
- Flexible height adjustment.



RN 3004 Horizontal Tube Extension

Full, Demand, Empty Detector

Protection tube version

- Horizontal, vertical and diagonal installation.
- Extremely robust due to protection tube, able to withstand heavy mechanical load.