

Contents- and level-visualisation in plastic granulate

The challenge



A worldwide renowned toys supplier requested a complete level control system at his plant in Malta. The granulates will be delivered in bigbags and filled into the silos by a pressure conveying system. The filling needed to be controlled with a reliable full detection and stopped by an acoustic signal. Above, also the level of material should be monitored during the filling process. The company searched for a complete solution with a visualization system to be accessible via Ethernet from every connected PC. The whole installation and set-up should to be done by UWT.

Our solution

The rotating paddle switch ROTONIVO RN3002 promises a reliable full detection in this application. The extension can be configured flexible depending on the mounting situation and the angle of repose. Our electromechanical system NIVOBOP NB3000 is the perfect addition as level control unit. The Modbus RS485 interface is integrated in the NB3000 as standard. Thus, the units can be visualized at our NIVOTEC NT3500 via webserver. UWT offered an attractive and innovative all-in one solution.



Products



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.



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.



NT 3500

Level Visualisation via Webserver

- User-friendly and flexible level visualisation configuration.
- Simultaneous access to multiple computers on the Ethernet via browser software, no license cost.
- Suitable for connecting all standard signal level sensors.