

Level measurement in different plastic granulars

The Challenge



For a manufacturer of plastic parts a reliable overfilling protection and a content measurement system for storage silos was required. The solid is HDPE-, LDPE-, PP-, PET- granular. The silos are in standard aluminum with 3m diameter and a height of about 15m. The applications are in atmospheric conditions, clean and without special requirements to the sensors. The only challenge could be the low DK-value.

Our Solution

In this applications the rotation paddle switch RN3002 with tube extension will be used as a overfilling protection. For the content measurement the Nivobob NB3100 is the right solution. Both sensors can be used in all plastic granulars. They are standards in synthetic applications and fulfill durable the tasks.

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.