

Rice Contents Measurement

The Challenge

The customer who operates a factory which manufactured ready-made meals needed to automate the storage of their bulk products. The facility had about 25 separate rice holding silos which they needed to feed the content level into the operating SCADA system to allow for stock control and auditing.

Our Solution

The challenge the customer faced was with mounting a contents measuring device to the silo. There were no walk ways or platforms around the roof of the silo and because of health and safety it was not possible to mount any directly to the roof. A walkway next to the feed conveyor was approx 2m above the silo so the device had to be attached to the walkway to allow for commissioning and maintenance.

UMI proposed using a NB4000 mounted on side of the walkway with the weight traveling through a connecting tube between the float and the silo. This allowed for easy and safe access to the device.



Products



NB4000 Tapes Version

Continuous Level Measurement

- Suitable for most bulk solids.
- Integrated cable strainer to remove solvent materials.
- Mounting with threaded or flange connection.
- Measuring range up to 20m.
- Conversion level monitoring up to 20000 signal together with Model 2000.