

## Level limit measurement in mineral fertilizer

### The challenge

Our customer is one of the biggest producers of mineral fertilizers. The company searched for a reliable limit detector for the AGI-concentrator, both pre and post drying stages. In the past, they had used ultrasonic sensors but the end of the other measurement principles had failed. The challenge is the high humidity especially in cold seasons, deposit build-up, no further measuring points in the basin and very aggressive steam.

### Our solution

The robust design of the PRT3000 PROTECT sensing module overcomes friction and in aggressive environments. These devices are insensitive to deposit build-up and changing material attributes like humidity below 100% or 100% afterwards - 0.2% and can allow for easy installation.



### Products



#### AGI 2000 Tube Extension

Full Detector  
Tube extension version

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