

## Level limit measurement in filter dust at about 200°C

### The challenge



One of the largest coal power producers in Ireland was looking for a level sensor in severe GDP areas as a high alarm sensor. They needed a sensor that reliably detects the filter dust. The special challenge was the high process temperature in combination with the very aggressive filter dust from coal combustion. Most of the sensors on the market failed in this application.

### Our solution

The high-temperature version of the UMF® sliding cable switch PCTEMU 10000 can solve this application. It has a dust protection, temperature bearing and sealing. Thus the sensor has a long lifetime.



### Products



#### PCTEMU 10000 Horizontal Tube Extension

Fat-, Demand-, Events Detector  
Protection tube sensor

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