

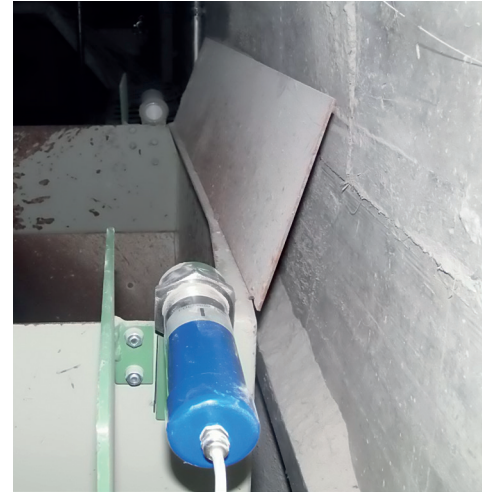
Mining and processing of gypsum

Level and limit level detection with ProGap

Application

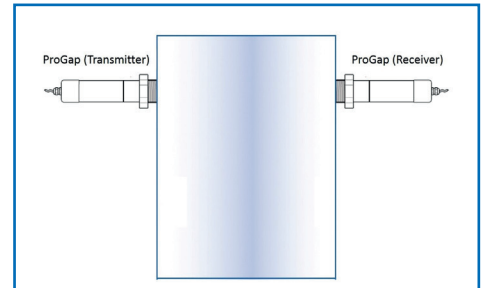
During the process of mining gypsum in a stone quarry, gypsum rock is transported via a series of conveyor belts to the production line. Certain critical conveyors are located remotely from the production line and therefore not visible and suspect to blockages.

The customer wants to avoid material overflows and blockages between the conveyor belts and a transition chute. Because of the size of the material (lumps of rock) the client has experienced high percentage material blockages in the chutes, which result in costly downtime and increased maintenance costs.



Process data

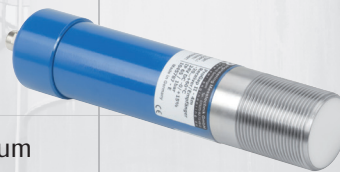
Client:	Manufacturer of gypsum (Switzerland)
Material:	Gypsum rock
Installation place:	Between conveyor belt and transition
Function:	Level and limit detection



Solution

The ProGap microwave sensor is a universal barrier with a flexible range of applications, consisting of a transmitter and a receiver on the basis of proven microwave technology.

In the described application the transport of gypsum rock from a conveyor belt into a free fall chute is monitored. The ProGap detects the limit level at this place. If the limit is reached, in case of a material blockage, the ProGap transmits a signal to the control room and interrupts the production process immediately.



Customer benefit

- Early identification of material blockages
- Easy process control, avoidance of system damages
- Monitoring of non visible areas

SWR engineering Messtechnik GmbH · www.swr-engineering.com · info@swr-engineering.com
Gutedelstr. 31 · 79418 Schliengen (Germany) · Tel. +49(0)7635-8272-48-0 · Fax +49(0)7635-8272-48-48

Please contact me

Product link