

# Nivoradar in mixture of sand and caustic soda

## The challenge

One of the largest producers of glass containers worldwide needs to measure the storage of materials in 15 meter silo in the Seville plant - Spain. The materials are aggressive and abrasive combined with humidity and very dusty, in the internal and external environment. Also, there was difficulty in the installation to measure the level of silo with mixture of caustic soda and sand, due the ambient temperatures exceeded 75-100°C by the installation location.

## Our solution

In this case the most suitable solution was the non-contact level transmitter, Nivoradar 3100 with 78Ghz frequency and 4° beam angle. The use of the air intake was very important to keep the lens clean and also to lower the ambient temperature by blow in cold air (45°C). In this way it was possible to keep the equipment measuring with high performance without any process interference.



## Produits

### NR 3000

- Transmetteur de niveau radar 78GHz FMCW
- Montage avec diverses connexions de bride
- Domaine de mesure jusqu'à 100 m
- Surveillance de niveau confortable
- via signal 4-20mA avec
- Nivotec 3500/4500 peu onéreux

