Simple disposition of stocks in the plastics industry

The Challenge

A supplier to the automotive industry modernized its silo plant for plastic granules. He also wanted to invest in a complete level monitoring system in order to automate his manual measurements in the future and to read the filling levels conveniently on the PC screen. It stores various granulates in a series of silos. These are filled by truck.

Our Solution

The silos were equipped with electromechanical lead systems NB4100. Partially, there were no process connections on the inclined silo roofers. The specially designed adjustment flange for Nivobobs was used here. It could be screwed from the outside to the roof without welding necessary. In part, the sensors were adapted to the available connections. Capacitive sensors CN4030 and also rotary paddle detectors RN3002 are used as silo full sensors. A user-friendly and also favorable visualization was implemented with Nivotec 3500. Here, a web server is used, which allows all Ethernet PCs to use the visualization without license costs. In addition, this system can also be adjusted to specific customer requirements and wishes.

Produits

NB 4100 Version corde

Mesure de niveau constante

- Utilisation dans presque tous les granulés et vracs à gros grains
- Montage avec filetage ou bride
- Domaine de mesure jusqu'à 30m
- Surveillance de niveau confortable via signal analogique 4-20mA avec Nivotec 3500 peu coûteux

CN 4030

Détecteur de plein, de besoin et de vide

Version avec rallonge de tube

- Montage vertical, horizontal et oblique dans le container
- Aucun calibrage nécessaire
- Jusqu'à maximum 3000 mm de longueur de bras
- Réglage de la hauteur flexible
- Compensation de l'accumulation active

NT 3500

Visualisation de niveau via serveur web

- Visualisation de niveau conviviale configurable de manière flexible
- Accès à plusieurs ordinateurs en même temps dans Ethernet via navigateur, aucun frais de licence
- Connexion possible de l'ensemble des capteurs de niveau avec les signaux standard