

NR3100 with NT3500 in a oil project



The Challenge

A company in Kuwait had following requirements for a oil-tank plant:

- Simple system to be installed to show the level & volume in bbls in the tanks .
- Control Panel showing all the tanks with their actual volume & nominal capacities & alarms for the full & empty tanks, (Level alarming for min/max volumes).
- The ability to see the tank levels data online with full real time tank-level information of the inventory.
- All sensors has to be explosion proofed as a safety standard for diesel storage tanks.
- Customer need a simple system to run & easy to be

understood by the technicians in the plant.

Our Solution

The solution was the free radiating sensor NR3100 which has the approval for zone 2. The sensors has an easy quicksetup and works reliable in this crude oil application. The level sensors are connected to the webbased visualisation system NT3500. This system offers all requirements, the customer needs.

Products



NR 3100

Continuous level measurement

- 78GHz FMCW-Radar Level transmitter
- Suitable for use in almost all solids
- Fixed flange and adjustable flange option
- Measuring range up to 100m
- Connection to our user-friendly visualisation systems Nivotec® 3500/4500 possible using 4-20mA signal



NT 3500

Level Visualisation via Webserver

- User-friendly and flexible level visualisation configuration.
- Simultaneous access to multiple computers on the Ethernet via browser software, no license cost.
- Suitable for connecting all standard signal level sensors.