

MAHAGENCO Wireless Level monitoring Solution

Power Industry



Customer information

The highest thermal installed capacity amongst all the state power generation utilities in india. It has generation capacity of 10737 MW comprising 7480 MW thermal, 2585 MW hydel and 672 MW gas turbine.

Application -details

Operation Philosophy of Power plant – Level Wireless monitoring

It had FO & Diesel oil Storage Tank which they wanted to automate for monitoring & control of level in these tanks .

Difficulties for the customer:

They had 30 storage Tanks with distances more than 1 km. Problem for them was laying of cables spread over such a large geographical area .and also the cost involved for such a installation.

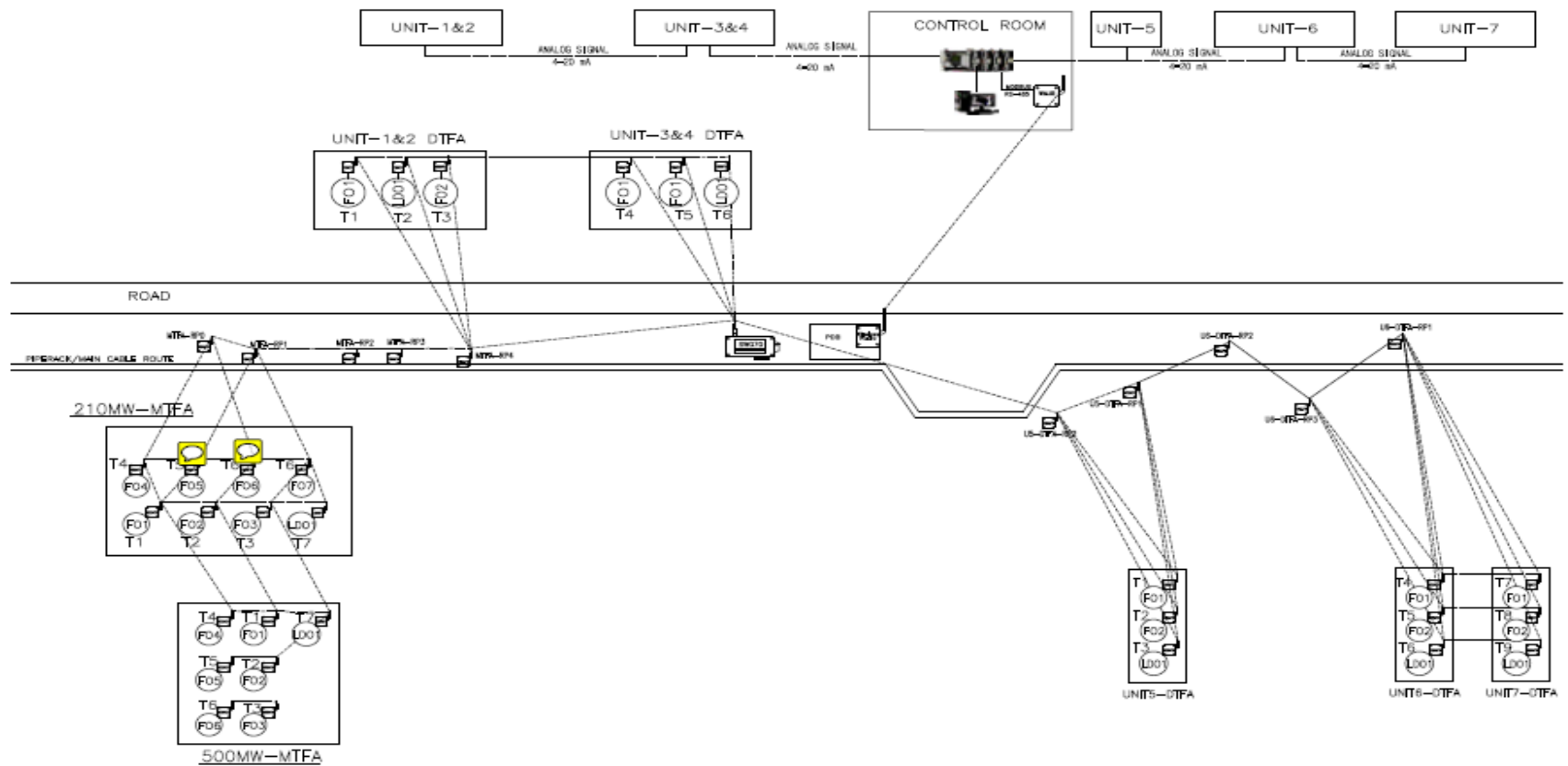
E+H Solution:

E+H did the detailed site survey and proposed Guided wave Radar for their FO Tank Level monitoring with wireless HART adaptor for communication: The benefits of this offering for the customer

- > Fast deployment ,
- >less commissioning time,
- >No downtime of Tanks,
- > Cost reduction because no requirement of cables, cable tray,stenches
- >Connectivity to DCS & SCADA in chief engineer room

Schematic Architecture

SYSTEM ARCHITECTURE



Thank you very much for your attention

