

JSC Novokuibyshevsk Petroleum Refinery

Hytera Explosion-proof PD79XEx for JSC Novokuibyshevsk Petroleum Refinery

User

JSC Novokuibyshevsk Petroleum Refinery, Russia

Market segment

Oil & Gas

Project time

2015 – 2016

Products

Stage 1:

- Explosion-proof hand-held radios PD79X Ex – 210pcs. (For operation in the existing analogue radio network)

Stage 2:

- Digital radio communication system



PD79X Ex



Background ⇨

JSC Novokuibyshevsk Petroleum Refinery is in the Samara region of Russia, which was established in 1951.

It is included in PJSC "NC Rosneft". The HQ of the company is located in Novokuibyshevsk, with capacity of the PR 8.26 mln tons of oil per annum. Oil processing depth is 70.9 %. Output of oil products is 7.56 mln tons per annum. In December 2014 the Novokuibyshevsk Oils and Additives plant was nominated as the best CIS POL plant, and it also lead the international industry standard rating according to the World Refining Association.

Customer's Problem ⇨

The outdated equipment does not meet the modern requirements of control and communication services. Upgrade of the existing analogue radio communication system is technically limited yet economically necessary in a long term.



Customer's Requirements >>

Replacement from the outdated analogue equipment to the modern digital equipment;
Updating and extending the radio network infrastructure considering the current increasing explosion hazard in the petroleum refinery.

Hytara Solution >>

1st step –Hytera provided explosion-proof hand-held radios PD795Ex– 210pcs for the operation in the existing analogue radio network.

2nd step –Hytera updated the digital radio communication system.

Advantages of the Solution >>

Hytera digital explosion-proof radio can be used in both analogue and digital radio networks, ensuring smooth migration from the analogue to digital communication system, to meet the economic needs of customers. At the same time explosion-proof hand-held radios PD79X Ex have multi-functions to meet a variety of explosion-proof needs, thus greatly improving the security of daily work.

- Advanced electric circuit diagram and electromagnetic screening of the printed-circuit board.
- Innovative technology of sealing with silicone resin.
- Innovative anti-static structure.
- Patented battery fixation mechanism.

Voice from Customer >>

"Hytera's 2-step project enables to distribute costs rationally and stepwise update the existing radio communication system without detriment to the daily operation of the company."

— JSC Novokuibyshevsk Petroleum Refinery



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