

Pressure monitoring on multiple gas lift

Region: South America
Industry: Offshore up stream
Products: EJX430B (Wireless Pressure Transmitter)
EJX110B (Wireless Differential Pressure Transmitter)
YFGW710 (Field Wireless Integrated Gateway)



Requirements

The client wanted to monitor the injection gas pressure of gas lift remotely in central control room. Antitheft measures are needed to install new equipments and cables.



Solution

The client chose to use wireless transmitters which don't need to use cables to transmit data to central control room.

Four hundred of wireless pressure transmitters were installed on offshore wells for monitoring gas pressure of gas lift. The long range communication capability and massive scalability of Yokogawa's plant-wide field wireless system enabled this offshore application.

Benefits

Operation cost reduced by eliminating the visit to the platforms to monitor the gas pressure.
No need to prevent cable thefts.

Challenge

Four hundred pressure transmitters should be installed.

Equipment List

EJX430B and EJX110B x 400

YFGW710 x 90

Conclusion

Install cost reduced due to no need for cabling and antitheft measure for cable.

Eliminating the visit to the platforms reduced operation cost drastically.

Safety of personnel was enhanced due to no need for travel over the sea.

Productivity enhancement is expected due to early pressure change detection.



EJX series Wireless Pressure Transmitter