



Remote Monitoring & Control of Oil Rigs

RADWIN's wireless broadband radios digitize INA's oil field operations

Customer:

INA d.d., a leading oil company headquartered in Zagreb, Croatia.

RADWIN Partner: MICRO-LINK, Croatia.

Digitizing Oil Field Operations

INA owns oil fields in Croatia and sought a communication solution that would enable it to remotely monitor and control oil rig operations.

After testing a number of wireless broadband technologies INA selected and deployed the RADWIN 5000 Point-to-Multipoint and RADWIN 2000 Point-to-Point wireless broadband radios.

Real-Time Data Transmission from Oil Rig Sensors

RADWIN's radios transmit real-time data from the oil rig sensors to INA's control centers including temperature, pressure and pumping cycle information as well as facilitating smart power remote control.

RADWIN's systems help digitize INA's oil field operations, boosting productivity and enhancing safety.

Project Highlights

RADWIN's wireless broadband systems were chosen by the INA oil company because they provide:

- » **High-speed**, reliable data and SCADA connectivity.
- » **IP67-certified** - systems operate in the presence of dust and gases found in oil site.
- » **Durable and robust** - withstand extreme temperatures that soar to 40°C/104°F highs in summer and plummet to lows of -30°C/-86°F in the winter.
- » **Operation in NLOS** - RADWIN's radios work even when direct line-of-sight is obstructed by trees and foliage.
- » **Extremely simple and straightforward installation.**



RADWIN radios operate in NLOS

RADWIN Portfolio

RADWIN JET Point-to-Multipoint Series

High capacity smart Beamforming radios that deliver up to 750 Mbps per sector.

RADWIN 5000 Point-to-Multipoint Series

High-capacity radios delivering up to 250 Mbps per sector.

RADWIN 2000 Point-to-Point Series

Radios that deliver high capacity of up to 750 Mbps and long range connectivity.

RADWIN PtP and PtMP portfolio provides:

- » Guaranteed SLA
- » Weather-proof/IP67
- » High security level- AES 128/256
- » Dynamic MIMO/Diversity
- » Dynamic channel bandwidth selection



OIL & GAS Case Study

RADWIN: The Right Fit for Gas & Oil Companies

Oil and gas companies are continuously seeking ways to enhance operational efficiency, boost productivity and increase safety in their oil fields.

RADWIN's powerful communication solutions enable the automation and digitization of upstream and midstream oil and gas operations. RADWIN's PtMP and PtP radios power fixed, nomadic and mobile applications.

Powering Applications

- » Real-time CCTV monitoring
- » Sensor data transmission: Temperature, Pressure, Loading
- » SCADA transmission
- » Smart remote control
- » Wellhead connectivity
- » Pipeline protection



RADWIN solutions deployed in INA's oil fields

About RADWIN

RADWIN is a leading provider of wireless broadband solutions that incorporate advanced technologies to deliver optimal performance in the toughest conditions. Deployed in over 170 countries, RADWIN's solutions power a range of applications from last mile connectivity to backhaul.

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