Application Report
IPR100 RoIP

REMOTE RADIO SWITCHING USING IP

Customer Profile

- Malaysian oil & gas company

Application

- To provide reliable communications between the company's onshore airport, offshore platform and helicopter using Air band radio.

Business Benefits

- Improved safety.
- Cost savings by utilising existing IP infrastructure.
- Increased productivity.

Products Used

- IPR100's
- 960CSD

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→ Customer Overview

A large Malaysian oil & gas company.

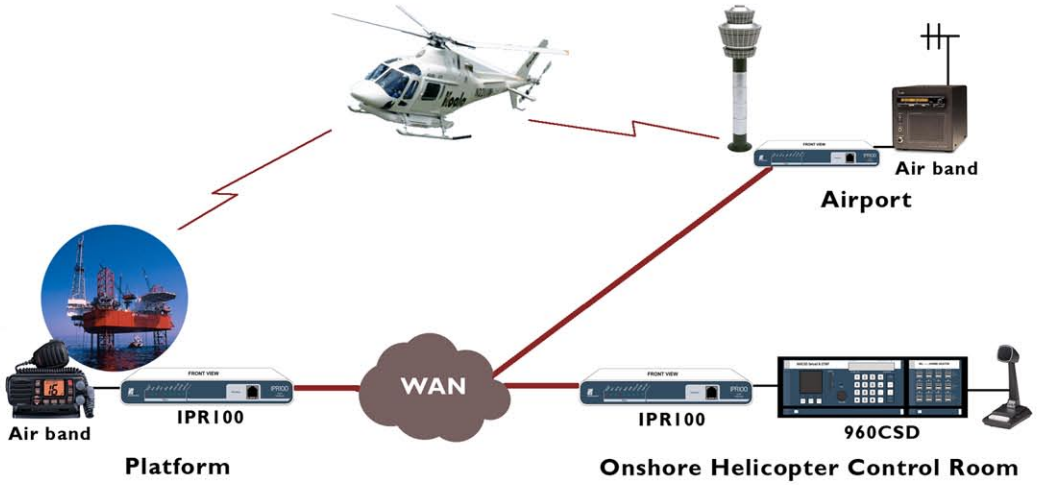
→ The Challenge

This Malaysian Oil & Gas company operates an offshore platform 150 - 200 Km from their onshore facility. The company needs to use Air band radio to communicate with helicopter crews from its shore based control room. However, Air band radio can not provide reliable coverage because of the distance to the off-shore platform.

→ Solution

"Omnitronics developed a solution utilising the existing IP connection between the control room and the platform"

Omnitronics developed a VoIP solution utilising the existing IP connection between the control room and the platform. The solution is transparent to users and radios. Using a 960CSD console, an operator can switch communications from the local Air band radio to a remote radio on the platform, depending on the position of the helicopter. The switching is carried-out with a couple of simple key strokes on the console's keypad. Under-pinning this solution is the IPR100 VoIP adapter that uses SIP technology to create and manage voice communications through a Wide Area Network.



→ Conclusion

By using the power of Voice over IP technology, the company was able to provide the necessary radio coverage. This resulted in reliable communications using existing IP infrastructure. Safety was improved in the transport of crews at a fraction of the cost of alternative solutions.