

Hytera TETRA Radios Expand and Improve Communications Quality for Qatar Airways

User
Qatar Airways

Industry
Transportation

Project time
2018

Products
TETRA PT580H Plus hand portable terminals
TETRA MT680 Plus mobile terminals



Introduction >>

Hytera won an open competitive tender to provide modern TETRA radio terminals to Qatar Airways, as well as greatly expanding the number of devices available to meet the demands of the customer's changing communication needs.

Background >>

Qatar Airways is the national airline of Qatar and is headquartered in the Qatar Airways Tower in Doha, the state capital. The airline operates a hub-and-spoke network from its base at Hamad International Airport, where it flies to over 150 international destinations across Africa, Asia, Europe, the Americas, and Oceania. It has a fleet of more than 200 aircraft and the Qatar Airways Group employs more than 43,000 people.

The Challenge >>

Qatar Airways staff were using old radios from other company, which no longer met the airline's evolving communications needs identified in its business development plan. The amount of existing terminals available for use was too small to meet the rapidly growing number of employees who needed access to a radio. The number of terminals had to be expanded to reach a capacity of approximately 3,000 devices within five years.





The Solution

The project to expand the radio fleet was subject to a public competitive tender process resulting in a five-year purchase agreement for a total of 3,000 new terminals. Qatar Airways already used a TETRA two-way radio network managed by local operator Ooredoo.

Fortunately, the Ooredoo TETRA network was supplied by Hytera's German subsidiary Hytera Mobilfunk GmbH, which meant the Hytera terminals and the radio system had the advantage of being highly compatible.

The bidding process was extremely competitive with Motorola submitting a very keen price in its effort to win the project. However, thanks to the help and cooperation of the local Hytera agent, the company was able to adjust its bid to offer a competitive tender price. This, coupled with Hytera's local after-sales service and technical support advantage, ensured that Hytera was finally awarded the project.

The chosen TETRA terminals are the Hytera PT580H Plus hand portable and the MT680 Plus mobile radios. The PT580H Plus is an extremely durable and robust radio with IP67 rated protection against dust, dirt and water. It features an advanced audio chip with the latest noise cancelling capability, so Qatar Airways workers benefit from excellent audio quality despite the noisy airport environment they work in.

The PT580H Plus offers precise positioning due to the integrated GPS function and provides a number of worker safety features including Lone Worker, Man Down and emergency alarms. It supports various voice call types, including Private Call, Group Call, All Call and Emergency Call.

The MT680 Plus mobile radio is ideal for vehicles or desktop use. It too comes with the latest Hytera noise cancelling technology for loud, clear audio. It also offers IP67 protection, integrated GPS and a high 3W transmit power to improve coverage across the airport estate.

The Results

At present, nearly 1,000 Hytera handsets have been delivered to Qatar Airways staff. The radios are helping the customer expand its radio capacity and extend the range of its communications. The new radios are also improving the quality of the communications both by increasing the number of terminals and by providing better audio and a wider range of applications.



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