Paris airports and TETRA radios

Airbus TETRA helps secure Europe's largest air-traffic area

AIRBUS
DEFENCE & SPACE

Paris airports and TETRA radios

Airbus TETRA helps secure Europe's largest air-traffic area

Thousands of PMR users at Paris airports are using the Airbus TETRA platform, benefiting not only from the latest digital radio technology, but also from the wide variety of voice and data services. And all at the low cost that shared infrastructure brings.

Aéroports de Paris (ADP) manages the largest air-traffic zone in Europe, a 6,500-hectare (16,000-acre) area that encompasses all the civil airports and aerodromes within a 50-kilometre radius of Paris, including Roissy, Charles de Gaulle, Orly, and le Bourget.

The ADP TETRA network is a regional shared system, allowing ADP to serve a diverse range of users from several sectors, including public safety and security, airlines, hotels, and private and public services.

Meeting the needs

ADP Telecom, provides secure IT and telephony services for Paris' airports and has built up extensive telecommunications skills as well as a great knowledge of the needs of professional airport users, who demand high reliability and security from their radio communication – even a half-hour break could cause immense disruption.

Security was one of the main reasons behind ADP's choice of the Airbus TETRA system to replace its analogue system. The Airbus TETRA solution provides security functions that include guaranteed instant communications, emergency call, built in redundancy, fall back mode and fast group messaging.

Virtual Private Networks are the key

Virtual Private Network (VPN) solutions are vital to ADP Telecom, which provides complete VPN services to organizations operating in its area, including PMR, fixed telephony and IP WLAN services. A VPN gives an airline access to unlimited voice and messaging communications, while still maintaining its privacy – not only are its communications secure, but the company can also manage its subscribers and groups using its own dispatching solution.

Convenient flight-specific group calls

An airline may manage hundreds of flights each day, with each flight requiring a number of employees to communicate with each other. These employees may be assigned to one flight at a time, or may serve several flights.
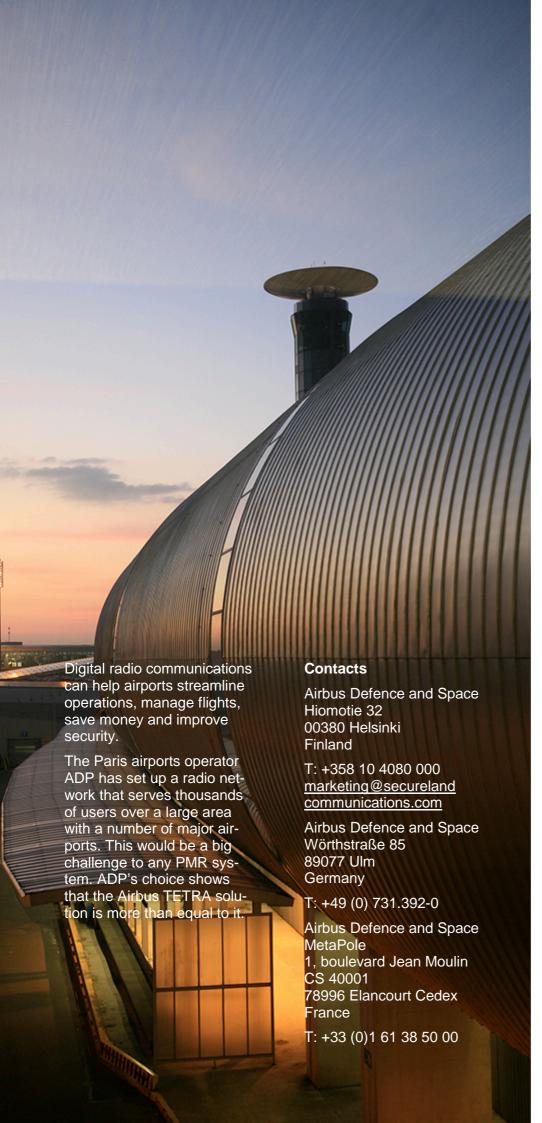
The over-the-air groups function provided by Airbus TETRA makes it possible to create one talk group per flight and include all the appropriate people in that group. The new group definition is sent to the terminals over the air, in real time, allowing people to talk to each other simply by keying the push-to-talk button on their radio terminal. The name of this temporary flight-specific group can be an acronym which includes the flight number. If a person serves several flights, the priority scanning feature makes it possible for him to follow the communication in several flight-specific groups simultaneously.

Accurate positioning

Accurate positioning in real time is another valuable potential application where different vehicles share the tarmac with aircraft. For example, if the de-icing vehicles were equipped with a TETRA terminal connected to GPS positioning equipment, their position would always be known.

Serving thousands of individual users over a large area with a number of major airports, ADP is a demanding customer, providing a big challenge to any PMR system. ADP's choice shows that the Airbus TETRA solution is more than equal to it.

Digital radio communications can help airports streamline operations, manage flights, save money and improve security.

The Paris airports operator ADP has set up a radio network that serves thousands of users over a large area with a number of major airports. This would be a big challenge to any PMR system. ADP's choice shows that the Airbus TETRA solution is more than equal to it.

Contacts

Airbus Defence and Space
Hiomotie 32
00380 Helsinki
Finland

T: +358 10 4080 000
marketing@secureland
communications.com

Airbus Defence and Space
Wörthstraße 85
89077 Ulm
Germany

T: +49 (0) 731.392-0

Airbus Defence and Space
MetaPole
1, boulevard Jean Moulin
CS 40001
78996 Elancourt Cedex
France

T: +33 (0)1 61 38 50 00

AIRBUS
DEFENCE & SPACE