



COMMUNICATIONS THAT LIFT AIRPORTS TO NEW HEIGHTS OF EFFICIENCY



Advanced communications for a secure and stress-free airport experience

Successful airports keep enormous numbers of people and their luggage moving smoothly and safely through a relatively small area. They minimise the stress for passengers and support airlines that are looking for a speedy turnaround for their aircraft. Everything possible must be done to avoid delays and maintain security. Flexible communications are essential.



The flexibility and security of CASSIDIAN Professional Mobile Radio (PMR) solutions can empower airport professionals. We tailor each implementation to meet the precise needs of each airport, yet our no-compromise approach has been shown time and again to deliver an extremely cost-effective solution.

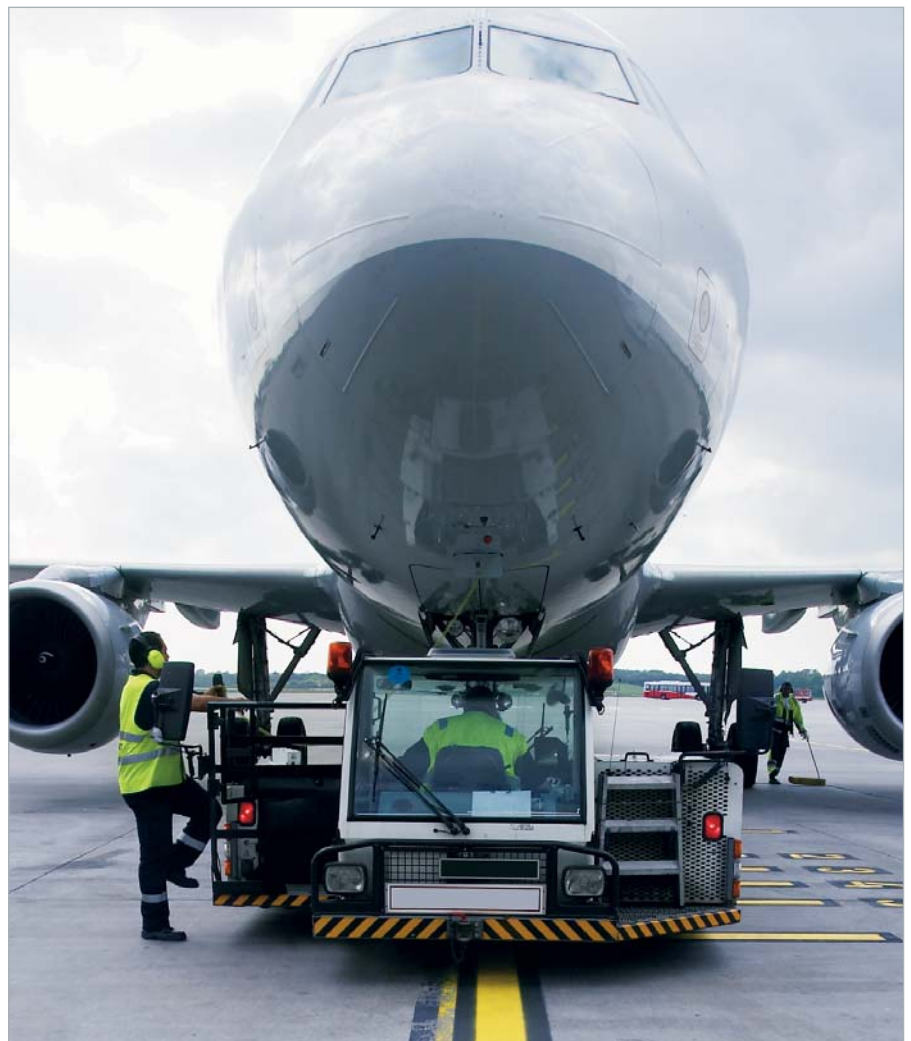
Bringing people together – voice communication

Airports depend on the smooth functioning of various teams, such as airline ground staff, logistics specialists and security personnel. Cassidian PMR solutions offer total flexibility to support any hierarchical structures or virtual private networks for groups of personnel with different responsibilities. They can also be easily adapted by an authorised operator to promote greater co-operation between different teams when necessary, regardless of whether they are using fixed or mobile technology.



Voice communication includes both group calls and one-to-one calls, which offer a wealth of efficiency-boosting possibilities:

- Dynamic groups
- Emergency calls
- Direct mode operation
- Priorities
- State-of-the-art command and control
- Group scanning
- Pre-emption
- Ambience listening
- Encryption.





Accessing vital information – data communication

A typical airport is crowded with different data systems. An optimised communication solution must be able to access all this information and deliver it securely to the personnel that need it.

Cassidian PMR solutions can combine the radio system with the airport's IT infrastructure in order to deliver a full data service.

Messaging

At the simplest level, our solutions support text messaging and status messaging without the need for any additional equipment. Messaging is a fast and efficient way to provide information on standard situations, such as "aircraft cleaned". It can also provide a quick way of making sure everyone knows what's happening

in more unusual situations, such as "smoking aircraft approaching, situation under control". Such messages can prevent confusion and anxiety among staff and passengers alike.

Connecting the solution to IT-systems creates even more opportunities. For example, it can keep team leaders aware of the position of different radio terminals, helping them keep track of their personnel. And for people working out and about, remote access to airport databases enables them to access the latest information without having to involve anyone else.

The right applications boost performance

The right applications are the key to more effective working. For instance, flight-oriented dialling enables immediate communications between everyone involved in the turnaround of a particular aircraft. Using a simple task

code and the flight number, everyone can reach the person in charge, even if they don't know their name. This is one of the most popular applications in existing Cassidian implementations, where it is already boosting airport efficiency around the world.

Radio terminals complete the solution

The Cassidian portfolio of radio terminals includes fully featured versions for mobile, fixed and vehicle use. Users can expect the very best results by using them as part of an overall Cassidian solution.

All the terminals are designed for mission-critical use and therefore support the most demanding professionals. A number of options are available for maximum flexibility, including a built-in GPS receiver and a wealth of add-on accessories.

Effective communication in action

Shared network in France

Aéroports de Paris is using a wide variety of voice and data services over a shared network to help it manage multiple airports, including Roissy, Charles de Gaulle, Orly and Le Bourget. The solution is extremely cost-effective, thanks to its use of the shared regional infrastructure. Nevertheless, the virtual private network facility ensures that confidential airport communications remain secure.

Big in Beijing

Beijing Capital International Airport is one of the world's largest airports. It relied on Cassidian TETRA communication to manage thousands of extra visitors to the Beijing Games in 2008. The system provides high quality command and dispatch services for nearly 6,000 users, from aviation companies, ground services, fuel, air food and public security departments.

International recognition

Other references include:

- Civil Aviation Administration in China (CAAC), airports network
- Jinan Airport, China
- Frankfurt am Main Airport, Germany
- Tegel and Schönefeld, Berlin airports, Germany
- Zurich Airport, Switzerland

Working together

Cassidian works closely with SITA on many of its airport-based implementations. SITA is the world's leading service provider of IT business solutions and communication services to the air transport industry.

SITA and Cassidian combine their expertise to provide the best possible communication solutions for airports. Cassidian is the specialist in mission-critical communication solutions, while SITA offers the ultimate in airport expertise.

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