Improving airport efficiency with secure collaboration solutions

AIRBUS

Connecting assets for superior efficiency

Airports are places where everything comes together: passengers, airport security, check-in facilities, passport control, gates and the rest. But as cities and societies become more connected and complex, so do airports. Ensuring seamless cooperation between these functions is, thus, of high importance to assure passengers receive effortless customer experience. Optimizing the tools for seamless collaboration between all functions form the basis for operational efficiency. When the right information is shared with the right people at the right time, timely and fast decision-making is possible. In addition to timely communication between different teams, efficiency can be improved by automating processes to, for example, decrease the turnaround time of an aircraft. While relevant data is automatically shared through a secure unified platform to relevant parties without delay, required assets are available in the right place at the right time.

The engine behind these improvements is a secure collaboration platform that provides reliable critical communication services for all digital and human assets. All this with E2E encryption and enhanced cyber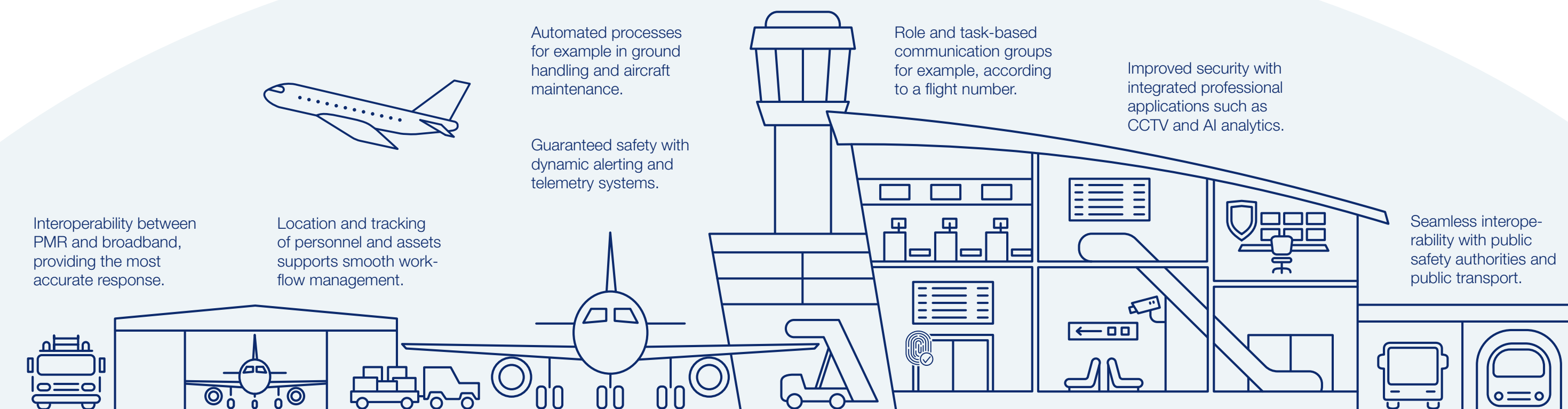security. The platform also provides interoperability with PMR networks, the current core of critical communications at airport safety operations such as fire brigades. In addition, the platform's capability to support 3GPP standards increases the potential for seamless platform or client integrations.

Deployment of such a solution is easy and fast due to its compatibility with most common smart devices, even rugged ones. The application itself is easy to use and easy to integrate into necessary accessories and other applications. Also, the application distribution is effortless via an enterprise mobility management system. Various user groups and assets can be activated to join in at different stages whereas the solution's multi-organisation support allows each organisation to keep their administrative independence but still behave and communicate as one efficient team.

Highly secure and reliable collaboration solutions of Airbus are designed for professionals who need superior operational efficiency. Airbus solutions permit professionals to access the right data in a timely manner, share it with the right people and assets and take actions faster, thus reaching superior efficiency.

Automated processes for example in ground handling and aircraft maintenance.

Role and task-based communication groups for example, according to a flight number.

Improved security with integrated professional applications such as CCTV and AI analytics.

Guaranteed safety with dynamic alerting and telemetry systems.

Interoperability between PMR and broadband, providing the most accurate response.

Location and tracking of personnel and assets supports smooth workflow management.

Seamless interoperability with public safety authorities and public transport.

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