USE CASE

BICS IOT SOLUTIONS: AIRLINES

Customer

Commercial airlines are expected to carry more than 8.2 billion travelers in 2037,[1] generating a huge amount of customer information. Aircrafts are also becoming intrinsically connected, with internet connections embedded in everything from the engines to the seats and the landing gear, adding to the ever-increasing volume of data airlines and crew must manage. IoT technology has the potential to optimize these operations. To roll out their services globally, airlines need a reliable, ubiquitous and cost-effective global connectivity solution.

Airline applications

Onboard access and management of passenger data

Global tracking of baggage and cargo

In-flight entertainment updates

Real-time route planning and support

Aircraft and emissions monitoring

IoT connectivity requirements

- Worldwide multi-network coverage
- Ubiquitous connectivity across international borders
- Increased quality of service
- Highly reliable and secure network infrastructure
- Real-time management, control and monitoring of SIMs
- End-to-end data security

BICS' solution

BICS SIM for Things offers reliable, scalable global connectivity for the connected services of commercial airlines.

Reliable, secure global connectivity

The BICS SIM for Things solution comes with built-in connectivity across more than 700 networks in 200 countries around the world as standard, ensuring ubiquitous coverage to optimize the passenger experience, improve processes for cabin crew, and ensure effective monitoring of sensor devices. By combining BICS' global IPX network with private IPX access, airlines can ensure that no matter the flight destination, data is completely secure from the device right up to the data center.

Ease of deployment and management of new applications

Easy deployment, integration and management are critical for airlines. With growing numbers of connected applications across aircrafts and terminals around the world, airlines need to be able to roll out new services quickly and easily, and provide support to a huge global user base. Instant visibility of connectivity issues is also essential to support airlines and their crew wherever they are, and to avoid delays in critical actions, such as those impacting flight schedules. With BICS' IoT connectivity platform, airlines can streamline with one SIM and one platform, eliminating complexities during implementation and operations.

Global cost optimization

With operations running across borders and in destinations around the world, airlines require a cost structure with high granularity that supports a pay-as-you-grow business model. BICS' unique Roaming Exchange platform and longstanding commercial relationships with every operator worldwide – as well as 24x7 support – enables airlines to optimize costs globally, and scale connectivity up and down as needed to support data flow.

Results

The BICS SIM for Things solution enables airlines to streamline terminal and transportation processes, while providing a superior passenger experience. With cost effective global connectivity, underpinned by BICS' market leading roaming solution and global infrastructure, and an advanced real-time connectivity management platform, airlines can secure and manage huge volumes of data anywhere in the world, supported by connected aircraft sensors, terminals and devices.

[1]https://www.iata.org/pressroom/pr/Pages/2018-10-24-02.aspx