Aviation Market

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RAIN RFID and Aviation

- **Aviation industry tested RAIN RFID in airports for over 10 years**

- **IATA (International Air Transport Association)**
  - Resolution 753 on baggage tracking is intended to encourage airlines to further reduce mishandling by implementing cross-industry tracking for every baggage journey

- **RAIN RFID Alliance has presented to aviation organizations, and is establishing formal partnerships**
  - IATA
  - IABSC

Aviation Marketing Growth

- **Aviation market is growing strongly worldwide**
  - According to Airport Council International, the aviation industry has shown a robust year-on-year growth across the world's major airports both in terms of passenger numbers and air cargo

- **This growth has resulted in unforeseen challenges in:**
  - *Baggage tracking and sorting*
  - *Freight cargo tracking*
  - *Airplane safety*
  - *Airplane parts tracking and traceability*
  - *Passenger satisfaction*

Baggage Tracking and Sorting

- **Airports and airlines are exploring RAIN RFID solutions to:**
  - Eliminate manual inspection and routing by baggage handlers and provide real time location of the baggage throughout the process

  - Ensure that the right bag has boarded the right plane, or has been removed if the passenger missed the flight

  - Allows passengers to track baggage in real-time with notifications on their mobile

Freight Cargo Tracking

- **RAIN technology is solving these needs in the industry:**
  - In today's complex global supply chain, tracking of freight is a must

  - The tracking process needs to be accurate, efficient, and not labor intensive

  - Centralized monitoring, automatic logging, and an accurate retrieval process of the freight and its item level content

Airplane Safety

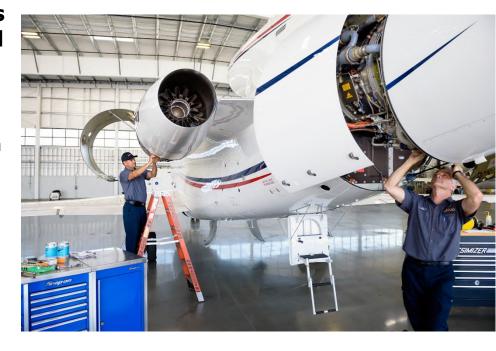- **RAIN technology can help eliminate safety problems**
  - Track and inspect safety equipment including life vests, oxygen tanks, child cots, and fire extinguishers

  - This equipment needs to be present when the airplane takes off

  - Manual inspection is time consuming and prone to human error

Parts Tracking and Traceability

- **RAIN technology helps address the need for parts tracking and traceability throughout the service life to ensure data accuracy and aircraft safety**
  - Aircraft have valuable assets which needs to be tracked and maintained for smoother operation

  - Airplane parts and services must be fully up-to-date

  - Aircraft parts supply chain is complex through aircraft manufacturers, airlines, part suppliers, and logistics providers

Delta Example for Using RAIN RFID

- **Enable hands-free scanning of baggage throughout the handling process**

- **Delta has:**
  - **Deployed 4,600 scanners**
  - **Installed 3,800 RFID bag tag printers**
  - **1,500 belt loaders**
  - **Integrated 600 pier and claim readers**

Easier bag handling

Rapid return on investment

Higher customer satisfaction

Improve end-to-end tracking

www.RAINRFID.org