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Technology – Disruption & Opportunity

Agenda

- 1) Why it Matters
- 2) Existing and Incoming Technology
 - In-Terminal Technology
 - Ground Handling
 - Car “Sharing” and the Access Economy
- 3) Future Technologies
- 4) What to Keep in Mind

Why it Matters

- Passenger numbers are rapidly growing
- Security, immigration and related authorities are having trouble increasing staffing levels to keep up with increased demand
- Many airports do not have room or the budget to drastically increase the size of their terminals;
- Airfields are getting crowded with planes, ground handlers and their equipment
- Airports need to find a way to “sweat the asset” and reduce congestion on the airfield
- Safety, security, speed, efficiency and even revenue.

Passport Control Kiosks

- Canada, USA and Abroad
 - Reduces Wait by 40%, reduces space by 50%
 - Eliminated need for new customs hall
 - Revenue Opportunity

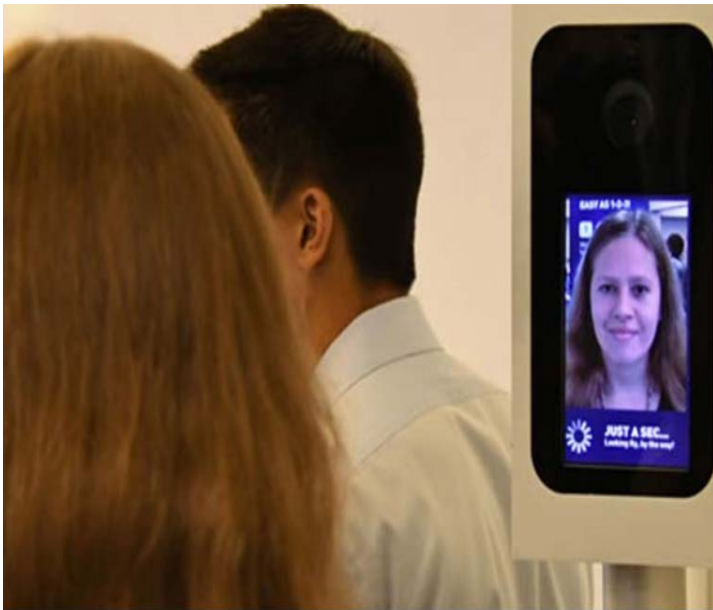


Airport Labs and Commercialization

- Vancouver International Airport – “Innovative Travel Solutions”
 - San Diego International Airport
 - Hartsfield-Jackson Atlanta International Airport
 - Changi Airport Group
 - Lufthansa
 - SAS
 - WOW air
 - Emirates
- ...to name a few

Facial Recognition and Biometrics

- Game Changer
- Could result in free flow of trusted passengers through the terminal, reducing the need for check-in counters, screening lanes, gate agents, customs agents;



Ground Handling Technology

- Inseego Ctrack Aviation Asset Tracking and Management services at Schipol and Hong Kong Airport



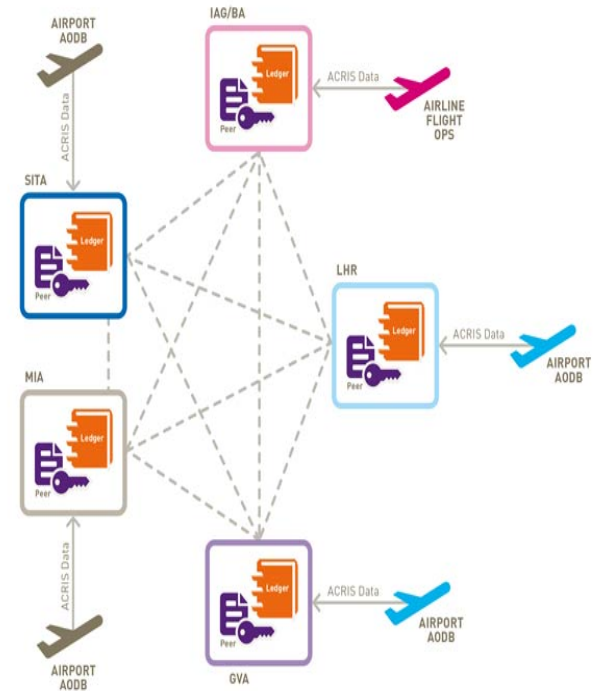
A Few Thoughts on Car “Sharing” and the Access Economy

- How do you incorporate new businesses into your airports in a manner that is harmonious with existing operators?



Other Emerging Technologies

- Blockchain
- Artificial Intelligence
- Augmented Reality



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