



## AEROSOFT

**Each Airport should have its own Luggage Management System**

**Now it is done with RFID**

**Here is Aerosoft**

The first test gave excellent results. The rates of reading/rewriting reached and often exceeded the 99% of success (up to 99, 78% for the reading rates in tests carried out on batches of thousand baggage). Moreover, thanks to software that we developed, we integrated into the system of Baggage treatment, thus allowing us to interface our application with the BHS (Baggage Handling System) as well as the EDS (Explosion System Detection). Lastly, our Department R & D dedicated to the RFID currently finalize the software which will make our solution RFID perfectly in conformity with standard ISO15961, thus allowing him to be completely compatible with the software of the principal integrators of baggage treatment systems throughout the world.

- Reading Rates of 99, 78%
- Respect of IATA's protocols Recommendations

### Aerosoft perspective

The handling of airport luggage will be accomplished using a configurable system That makes use of RFID technology (Radio Frequency Identification). This technology offers enormous possibilities in the areas of security and airport luggage management. Unlike traditional bar code scanning technologies, its high throughput capabilities and ability to write information to the tags, makes RFID the best choice to efficiently process and track luggage.

### Advantages of RFID systems

- High reading rates, up to 256 Kbits/s,
- Long distance Detection, up to 20 meters (according to the regulations),
- Anti-collision Management with possibility of reading from 50 to 200 parts at the second,
- Dynamic encoding (Capacity of writing on the tag while baggage moving),
- Operation at very low frequency (<500mW ERP), reducing the interferences readers and allowing an operation in the whole world,
- Design of antennas adapted to the airport environment.



## RFID Baggage Handling

**IPS solution based on RFID will eliminate the loss of Baggage at any airport in the world.**

**Aerosoft Statute “security” of the suspect baggage in the tag after control.**

### Respect of IATA'S Protocols

- ISO/IEC 15961
- ISO/IEC 15962
- ISO/IEC 18000

### Partners

- Motorola Technology
- Symbol
- IATA

### Productivity

- Traceability improved by a better reading rate.
- Possibility of installing more readers, increasing the traceability of the baggage.
- Automatic Reconciliation passenger- baggage

### Security

- Statute “security” of the baggage encode in the tag after control.
- Increased encoding Capacities of data passenger accompany the baggage.

### Economy

- Reduction of the costs of infrastructure.
- Reduction of the costs of handling.
- Reducing the number of delayed or mislaid baggage.
- Reducing the processing times of the baggage.