#### Presented by

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Head of Value Chain Visibility and Auto-ID



# **Airbus Executive Overview**

Value Chain Visibility & Auto-ID



# **HISTORY**

- Collection of 15 independent projects
- Fragmented approach; multiple standards, solutions and vendor landscape
- Creation of multi-function Auto-ID Steering Committee
- Company strategy, consolidation and prioritisation of activities
- Agreement to develop a harmonised approach and solutions for deployment
- Analysis of benefits, pilot proof points, bottom up business cases, industrialisation
- Selection of standard solutions and services for Airbus/EADS

# Clear pull from internal/external customers ONE Airbus approach

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# Why Increase Visibility? Why RFID?

Accurate and efficient information RFID, Bar Codes etc. Visibility Information about working, not working Quick wins through data automation Measurability Where is it working, not working? Long term wins through structural process **Business Process** Improve the way of working transformation **Business Savings** EBIT, Cash, Cost Avoidance

Improving visibility is a pre-requisite to improve the "way of working" and deliver business savings



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# Visibility, Measurability and Savings They are all connected

Improved
Accuracy
Control
Efficiency of
Processes

Automated visibility with high level of measurability (e.g. RFID)

Semi-automated visibility with increased measurability (e.g. bar code)

Manual based visibility with low measurability (e.g. manual data entry)

Improved Business Savings

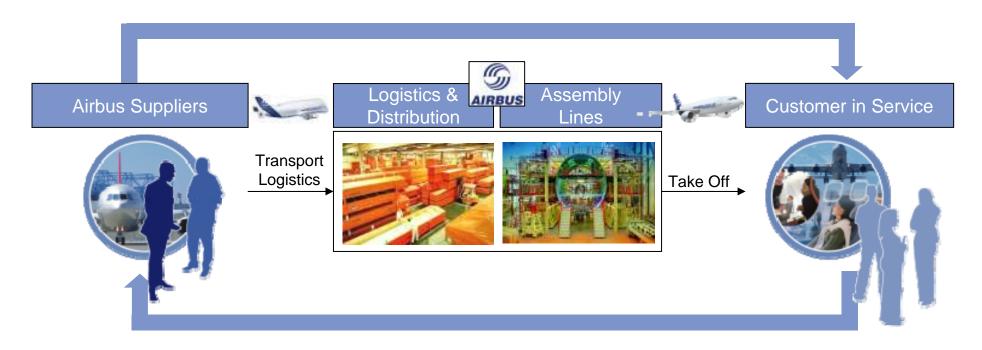
- All business savings come from improving a "way of working" i.e. process
- Level of visibility and measurability determines level of process improvement
- RFID can help improve level of visibility and measurability → savings

The level of visibility and measurability determines the level of savings possible; RFID is an promising enabler to increase this level of savings



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# What is Value Chain Visibility and Auto-ID?



- Company approach to improve business processes through better visibility
- Scope is focused on big picture; Airbus value chain not functional silos
- RFID is seen as a key enabler to improve visibility & business processes

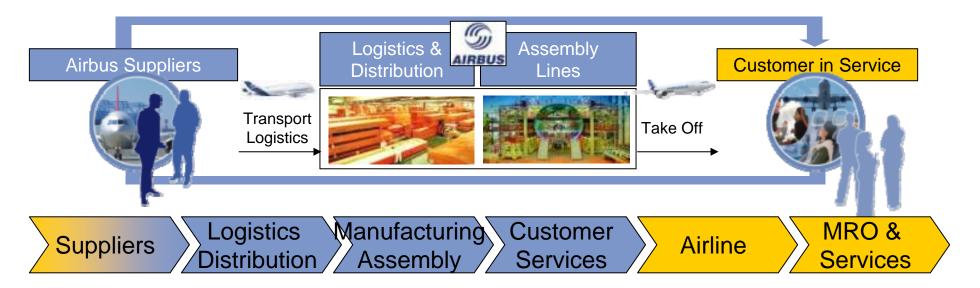
Airbus is taking an integrated and value chain approach for the potential application of Auto-ID across its business processes

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# **VALUE CHAIN VISIBILITY**

Two categories of Visibility



#### **NON-FLYABLE VISIBILITY**



**Warehouse Logistics and Inventory Management** 



**Generic Asset Tracking (Containers, Spares, Tools, Jigs)** 



**Global Transport Network** 



**As-Built Configuration Management and Attestation** 



**Tool Loans and Consignment Stock** 

#### **FLYABLE VISIBILITY**



As-Flying Configuration Management Processes



**Optimized Maintenance Repair & Overhaul Process** 



Luggage operation



**Cargo operation** 



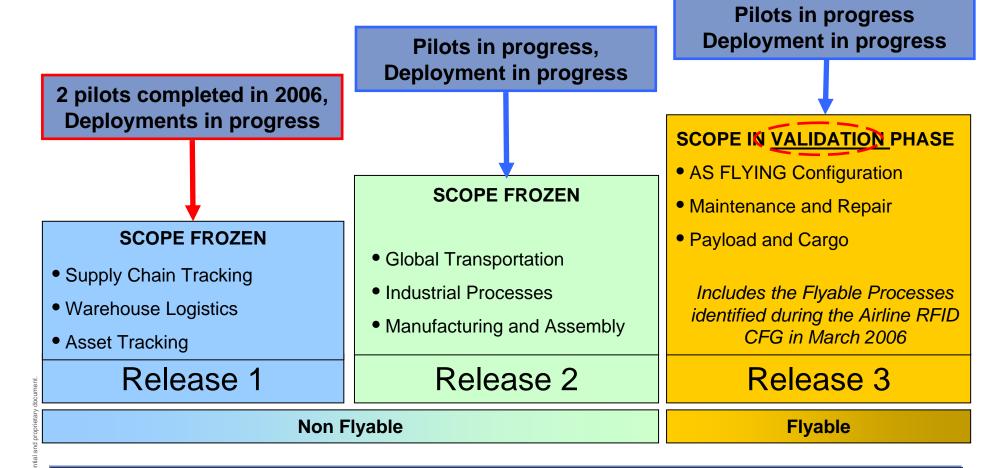
Catering operation

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# **VALUE CHAIN VISIBILITY**

3 Release Approach



3 Release Approach; Each with specific scope of improved standardised processes and providing benefits across the value chain



## **BENEFITS**

# Increasing Visibility Through RFID

## Strat Supply Chain

- Real time delivery confirmation
- Global automated transport tracking
- Improved demand stability
- Increased vi bility invertory

#### Logistics/Distribution

- Automated data entry and tracking
- Faster processes, less inventory
- More accurate inventory, ↓stockchecks
- Improved inventory nago pent

#### Proce

- Reduce production
- cost of aircraft
- Inc.

- Cesses → shorte.

  Reduce operating cost of aircraft mities
- Life cycle  $\rightarrow$  less
- nual interver

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- Automated cara en
- More accurate & efficient configuration
- More accurate & efficient attestation
- Faster cycle times

- Simplification of as trying configuration
- More efficient/effective lifecyle mgmt
- Faster repair turnaround process
- y and bethe Automated ULD/baggage/catering tracking

**RESULT = Leaner and more competitive business processes** 

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IBM Supply Chain Visibility Conference

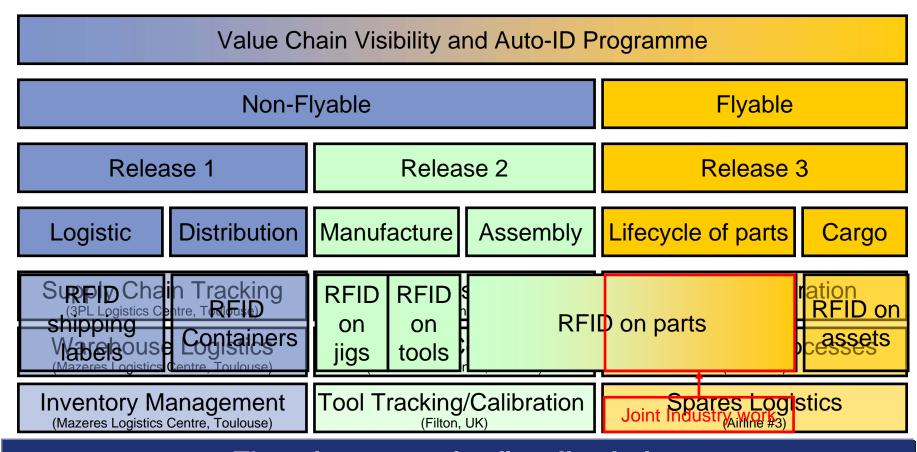
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# DIFFERENT TYPES OF RFID

**Total Lifecycle Traceability** 



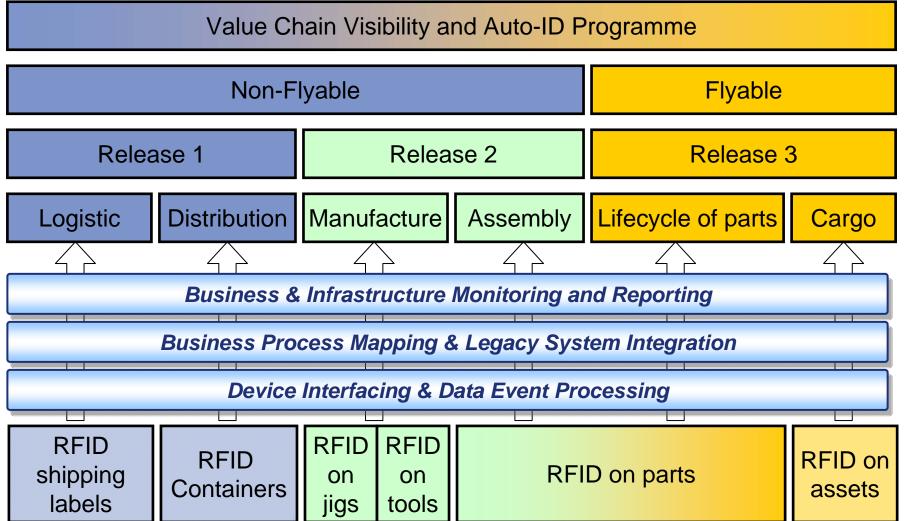
There is no one size fits all solution

Different RFID enablers are used for different processes



## DIFFERENT TYPES OF RFID

Integrated into a standard corporate s/w platform

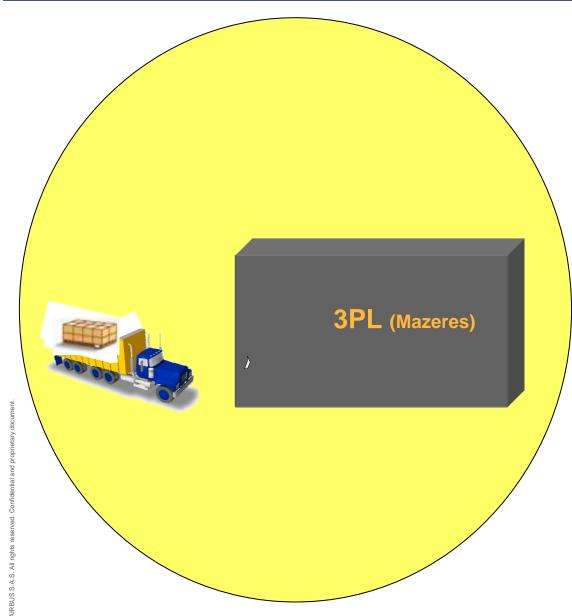


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# **RELEASE 1 – NON FLYABLE PILOT 1**

Mazeres, Toulouse



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