



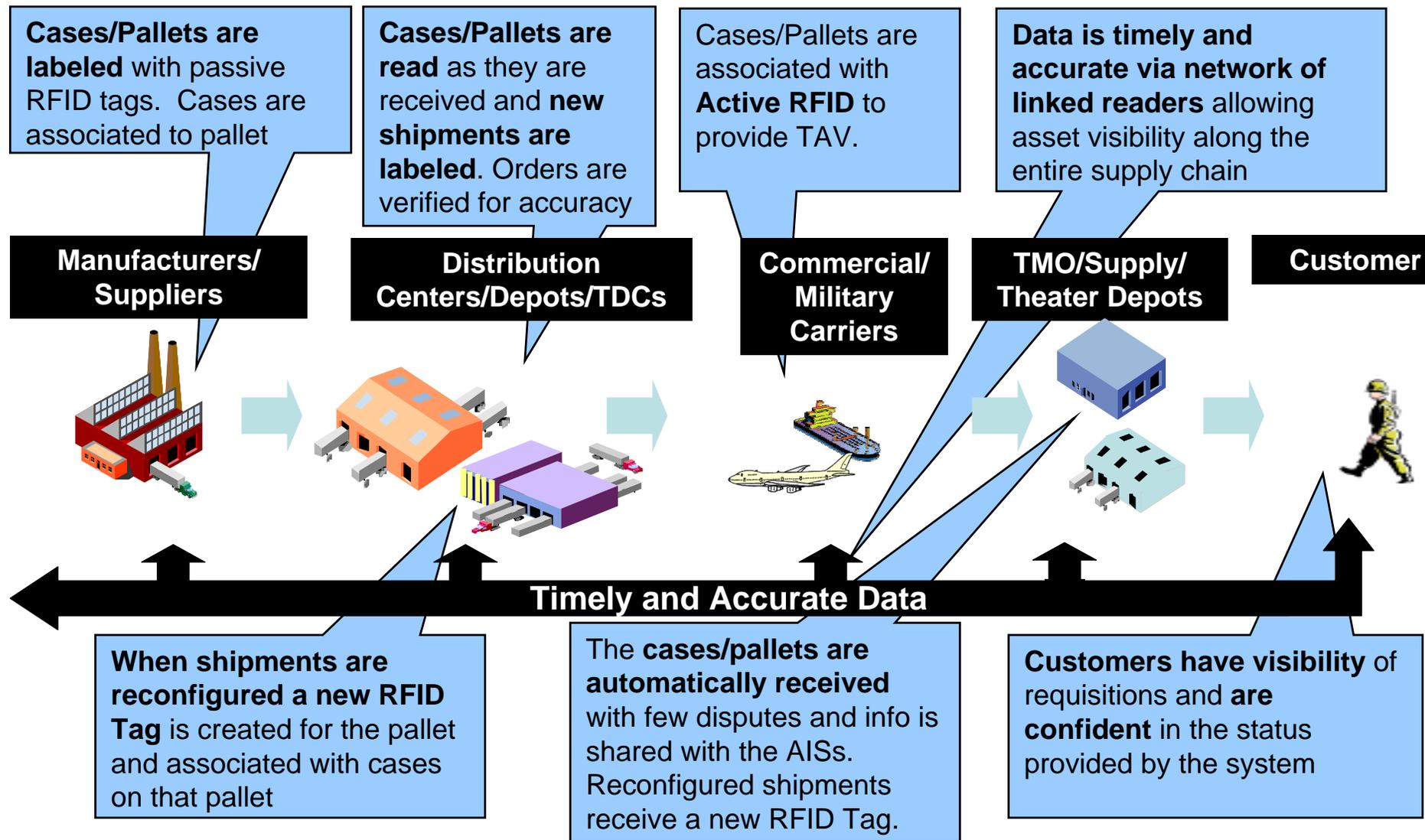
2004 RFID Summit for Industry Initial Implementations of Passive RFID

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**Office of the Assistant Deputy Under Secretary
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April 7, 2004

RFID will be an enabler to create an Integrated DoD Supply Chain



As the implementation progresses, the benefits will be captured...

■ **Operational**

- Improve Accuracy of Shipping and Receiving
- Increase Productivity
- Improve Visibility and the Accuracy of Inventory within the Supply Chain

■ **Customer**

- Increase Customer Satisfaction
- Facilitate Change Management (User Training)

■ **Technology**

- Validate Technology
- Influence Technology

■ **Financial**

- Level Costs
- Reduce Payment Cycle

Passive RFID Initial Implementations

- **Operational Implementations**
 - FISC Norfolk Ocean Terminal
 - Individual Protective Equipment (IPE)
- **Technology Demonstration**
 - Combat Feeding Global Asset Visibility demonstration
- **Planned Implementation Projects**
 - Strategic Depot to Operational Unit
 - Electronic Military Shipping Label (MSL)



Operational Implementation - Norfolk Ocean Terminal

- **GOALS:**
 - Increase inventory accuracy during cross-docking
 - Eliminating hand-scanning when stuffing containers
-
- **STATUS:**
 - Operational for small packages
 - Expanding to all shipments
 - Using tag as *transaction of record!*



Operational Implementation – Individual Protective Equipment (IPE)

- **GOALS:**

- Automate Data Capture
- Greater JSLIST Visibility
- Reduced Materiel Handling

- **STATUS:**

- Infrastructure in place
- Materiel tagging began in March



IPE Pilot Scope



Oct 03 Nov Dec Jan Feb Mar Apr May Jun Jul Aug 04

Requirements Definition

RFID Technology Testing

Integrate and Test System

Execute Phase I of Pilot

Execute Phase 2 of Pilot

Initial Assessment

Final Assessment Report

LEGEND

- █ Phase I: JSLIST Supplier Shipping, and DDJC Receiving
- █ Phase II: DDJC Shipping, Ft Hood Receiving & Shipping

Combat Feeding Technology Demonstration

- **GOALS:**

- Track Class I supplies in a simulated end-to-end supply chain at carton level
- Use sensors to track temperature variations and calculate remaining shelf life
- Track demand rates via the web

- **STATUS:**

- Technology Demo completed in Feb 04
 - Build pallet
 - Load container
 - Issue to unit



Combat Feeding Technology Demonstration

DLA/DSCP
Funded
Requisition



VENDOR



EPC: case/pallet

011010
010101

DDC



EPC: pallet/container

011010
010101

POE / POD



EPC: container

23-26 February

UNIT



011010
010101



EPC: case/pallet

0011010
0010101

DS



EPC: pallet/container

011010
010101

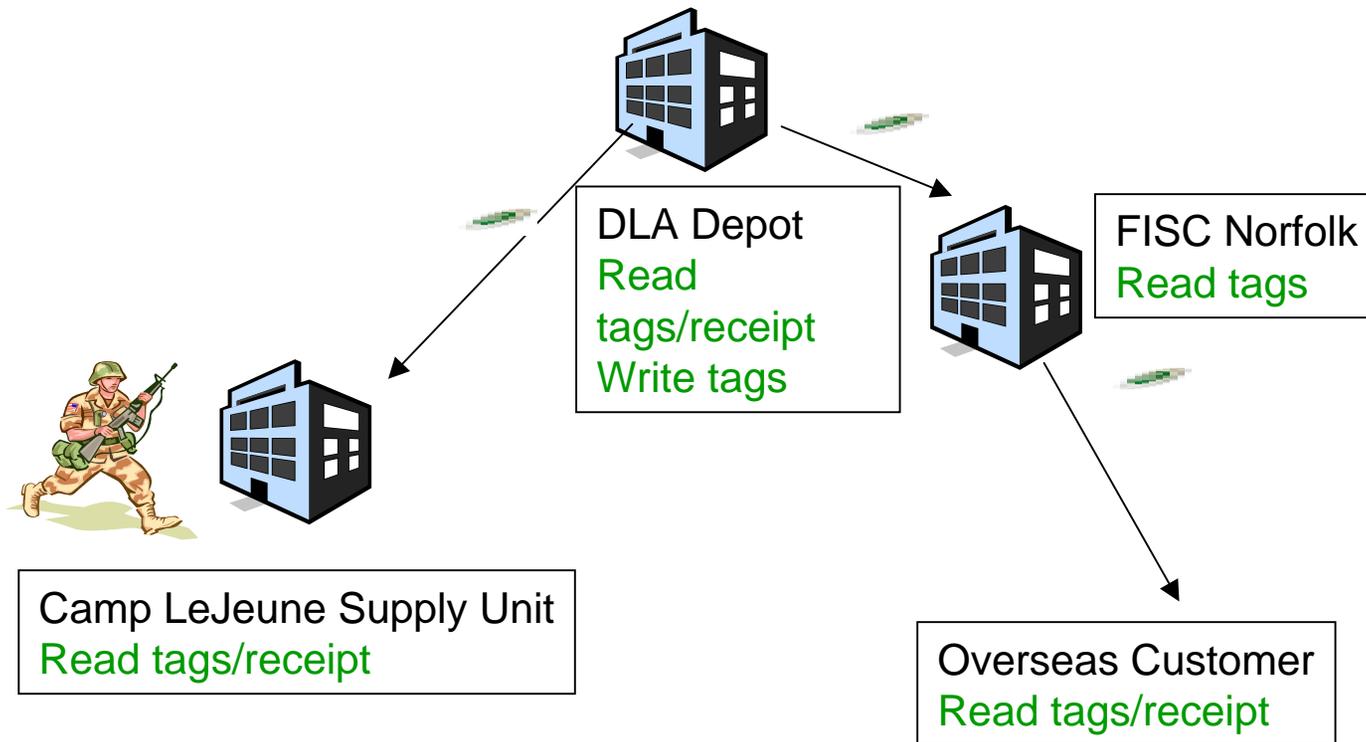
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Strategic Distribution Center to Operational Unit

- **GOALS:**
 - Test passive technology across the supply chain
 - Increase inventory accuracy
 - Automate the receipt process
- **STATUS:**
 - Site surveys conducted
 - Pilot Design Underway

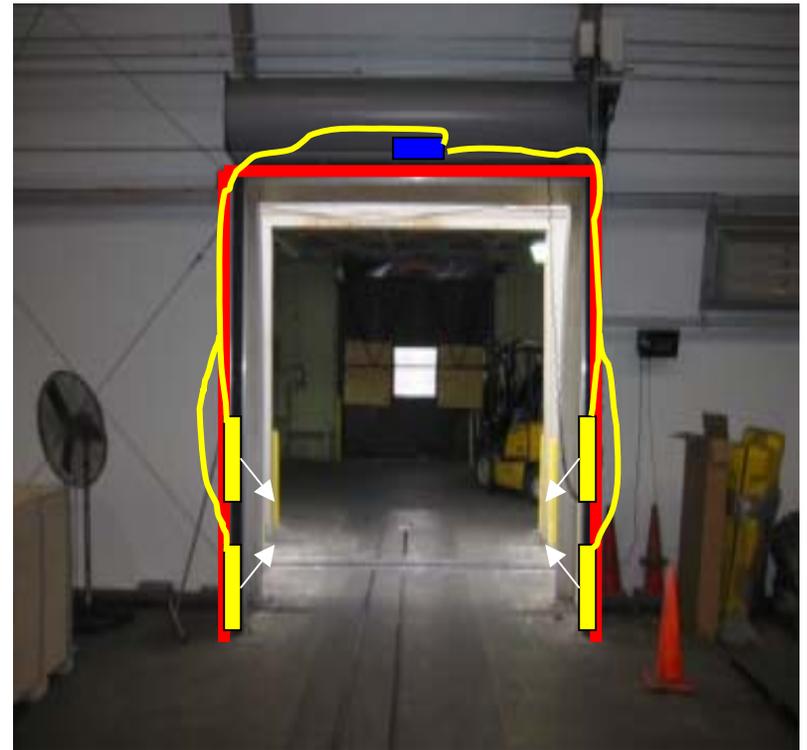


Strategic Distribution Center to Operational Unit



Electronic Military Shipping Label (MSL)

- **GOALS:**
 - Improve efficiencies in in-transit processes
 - Enable mapping of content level data to shipments in existing ITV system
- **STATUS:**
 - Conducted site surveys
 - Development work underway



Electronic MSL

**Distribution
Centers/Air
Bases**

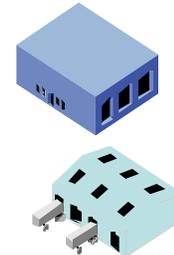


**Port of
Embarkation**

**Port of
Debarkation**

**TMO/Supply/
Theater Depots**

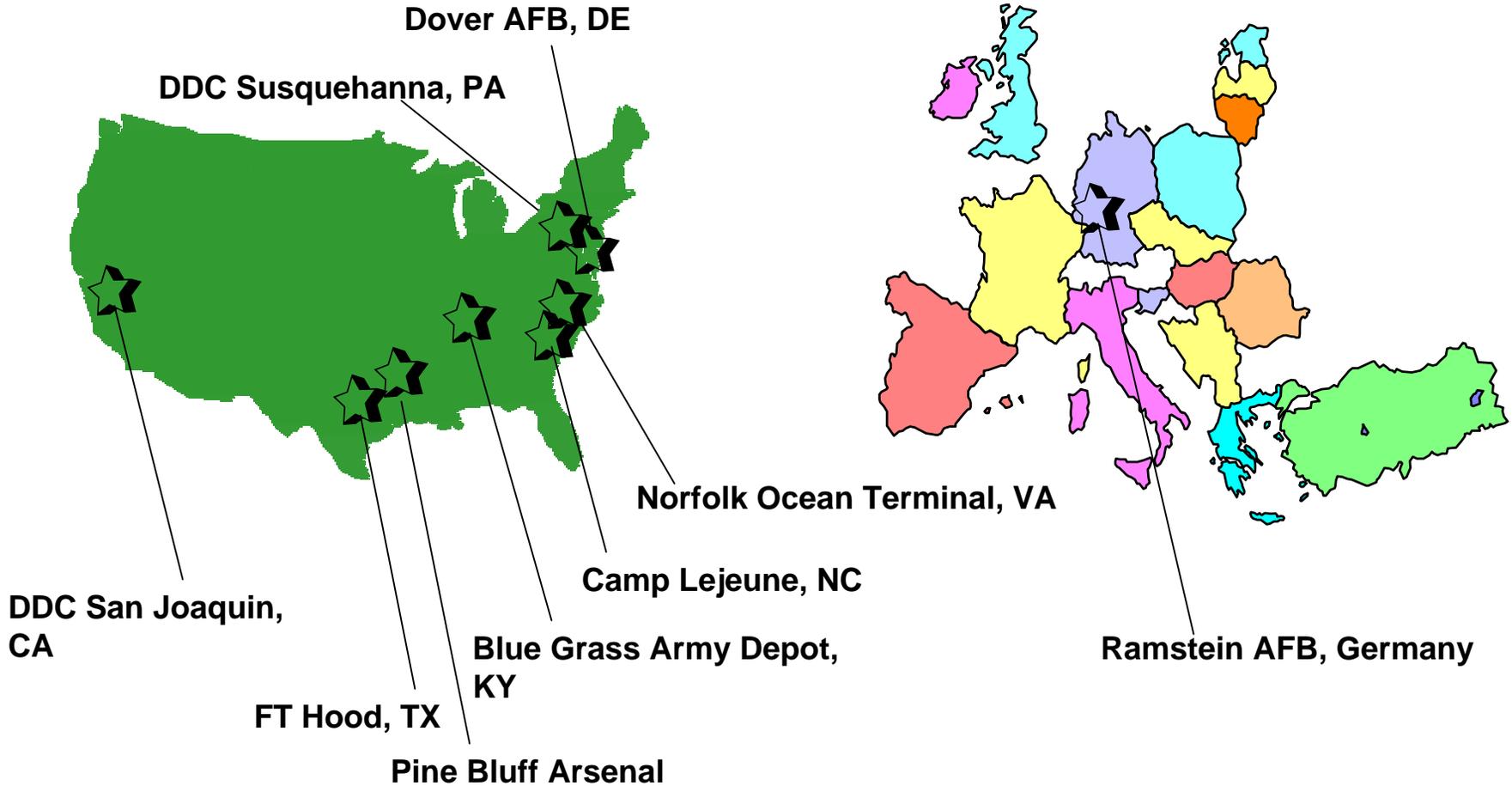
Customer



Benefits we are already seeing...

- **Hands-off data capture**
- **Improved materiel processing through facilities**
- **Enhanced visibility of tagged assets**

Passive RFID Locations



Summary

- **Initial implementations well underway**
- **Benefits being realized**
- **Suppliers are encouraged to be “early adopters”**
- **Laying the foundation for January 2005 implementation**