TEGO

Powering Assets with Intelligence

The Smart Asset Revolution in Life Sciences
Select Use Cases

Tego Smart Asset Solution Benefits: Life Science Supply Chain

- **Manufacturer**
  - Process and quality improvement from time of manufacturing (TOM) thru to use

- **Sterilization Service Companies**
  - Huge time and process savings

- **Distribution Center**
  - RF is fast and accurate
  - Re-sterilizing, re-labeling, re-kitting adds more complexity/time

- **Hospitals**
  - More are demanding that products come in with RFID tags on them
  - Medical device manufacturers want visibility through usage
  - Compatible with UHF based hospital inventory systems

Digital Inventory: Smart Assets in Supply Chain

Purpose – Process Improvement

Features:
- Digital documentation
- TOM data includes:
    - Manufacturer, Part Number, Lot, Serial, Expiration
- Digital data survives sterilization, extreme temperatures, pressure and transport
- Digital data cannot be corrupted, overwritten or erased
- Additional digital data gathered over time, at critical points in supply chain to establish chain of custody
- Gain business intelligence throughout supply chain

Benefits:
- Visibility – alert, notify, share
- Traceability – report, remove, repair
- Action – analyze, conclude, learn

Tego's Digital ePedigree

UDI & pedigree information stored digitally, dynamically updated at each point of custody, providing item level record keeping and visibility through to hospital, pharmacy, end use

Manufacturing Information
- Manufacturer Code
- Manufacture Date
- Lot Number
- Quantity
- Serial Number
- Digital Signature

Business Information
- Shelf Life Expectancy
- Sterilization Date/Time

Supply Chain Information
- Ship Date/Time
- Delivery Date/ Time
- Storage Conditions
- Container Information – Items/Case /Pallet
- Digital Chain of Custody

Business Information
- Distribution Center
- Reseller

Product Information
- Validation of Pedigree
- Compound Information
- Storage Information
- Side Effect Warning

Business Information
- Wholesaler Details
- Repackaging Details
- Automatic Billing

Tego's Digital Solution – Hospital Product Use Tracking

Product use information digitally stored and dynamically updated on the product, at time of use, for audit control, quality and patient safety

August 15, 2014

Initial Volume: 1000 ml

Withdraw: 450 cc

Remaining: 550 cc

November 1st, 2014

Current Volume: 550 cc

Withdraw: 150 cc

Remaining: 400 cc

June 2015

Current Volume: 400 cc

Withdraw: 200 cc

Remaining: 200 cc

Expiration 60 days

Tego's Smart Asset Supply Chain Customer

Medical Device Service Providers – Sterilization Contractors

- Inventory process takes fraction of the time with TegoTags
  - Non line of sight inventorying of bottle, case, and pallets
  - Repeated before sterilization and after sterilization

- Digital data inside TegoTags on items, cartons and pallets survive sterilization processes

- For batch inventory, one TegoTag on a pallet carries a spreadsheet of information and details of the entire pallet, down to item level contents

Tego's Smart Asset Supply Chain

Pharmaceutical Company – Requirements / Benefits

Digital ePedigree data and information gathered on the product
- TegoTags store data at fingertips

Visibility - chain of custody information at the product level
- TegoTags allow for ongoing data collection thru supply chain

Digital certificate placed at TOM authenticates product
- Tego solution layers security so it is extremely difficult to falsify

Authenticated products means counterfeits are easily identified and removed anywhere in the supply chain
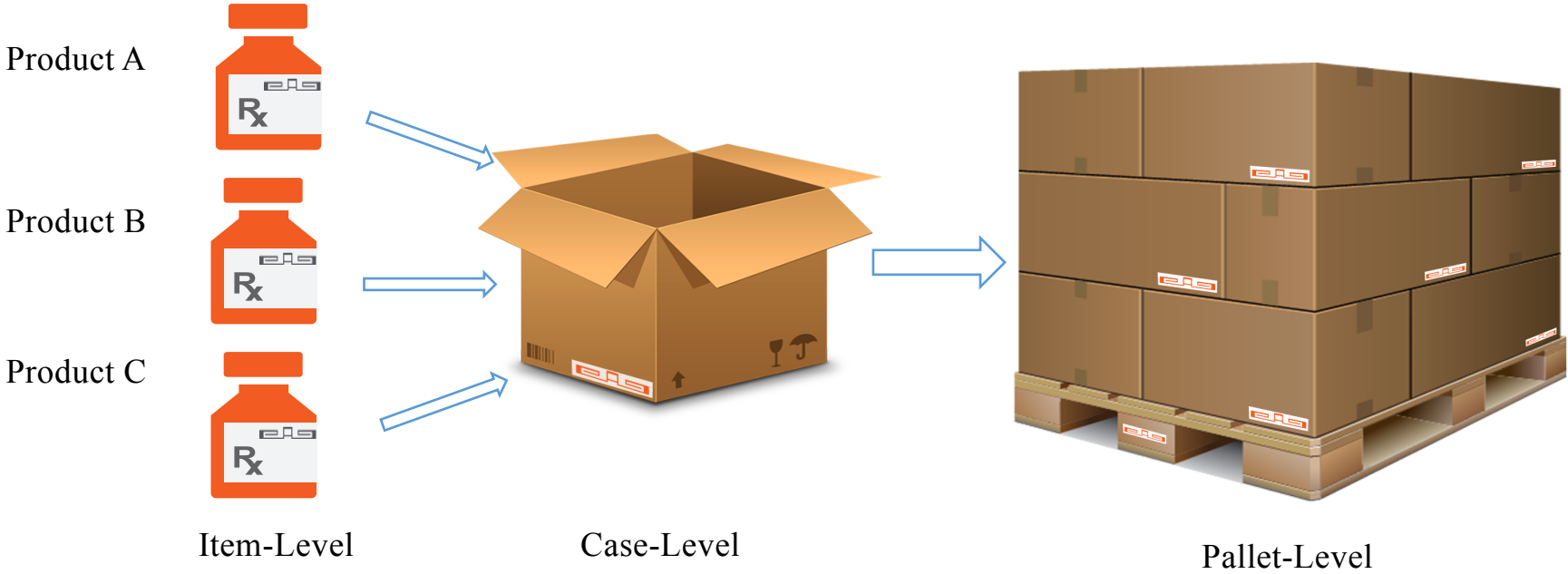
Additional certificates can be added by qualified vendors as product moves downstream
- TegoTags allow ongoing certificate storage and collection, chain of custody

Digital Supply Chain – Benefits of Smart Asset Solution

Digital data layered on item, case, and pallet
makes business processes faster, leaner, more accurate

Product A

Product B

Product C

Item-Level

Case-Level

Pallet-Level

Tego – Powering Assets with Intelligence

- Tego powers assets with intelligence.

- Insights about assets' lifecycle history, regulatory compliance and integrity drive operational excellence and new revenue models.

- Smart asset data is available for the right people and systems, including IoT, EAM, ERP, and Analytics applications.

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