



## ScanIn, ScanOut, and Verify For Supply Chain Data Integrity



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# Agenda

- Company overview
- Efforts on implementation – labels
- Efforts on implementation – data exchange
- Scan-In, Scan-Out, Verify
- Safeguard supply chain data integrity

## Introduction

# Riya Cao



CEO  
LSPediA LLC

### Bio

- Founder, LSPediA
- Director Life Sciences, QAD
- Manager IT, Ferndale Laboratories
- Managing Director, CAOWARE
- Sr. Consultant, TRW Information Systems CS
- Sr. System Engineer, United Technologies

# Life Sciences Solution Provider

## Products

- Traceability solution  
[RxChain](#)
- Productivity solution  
[Serialization toolkit](#)

## Services

- US and global  
Serialization
- DSCSA, cGMP, Part 11
- Internal and external  
quality
- IT architecture
- Management consulting

# Efforts on Implementing Product ID

## Customer Engagement

- Branded and generic pharma manufacturers
- Biotech manufacturers
- CMO and CPOs
- Wholesale distributors
- Solution providers

## Industry Participation

- HDA
- GS1
- Solution partners
- Collaborative pilots
- Pilot initiatives



## Progress → Implementing Product Identification

# Efforts on Unique Product ID Requirement

- Understand unique challenges
- Provide thought leadership
- Align to standards
- Implement industry best practice
- Voice of the customer

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Repacka  
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Virtual  
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CMOs  
CPOs

Distribut  
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## Progress → Implementing Product Identification

# Current Situation - Labels

### Observations

2D contains various data elements & format

Exp. date inconsistent

Product number inconsistent

No readable text

Readable text mismatch barcode

2D next to UPC

### Concerns

Can't parse or collect data

Reading the wrong data

GTINs and non-GTINs

No Secondary data source

Which one is correct

Scanner Challenges



## Progress → Implementing Product Identification

### Continue Efforts - Labels

- Support GS1 and HDA label standard
- Get the words out - blogs and webinars
- Help customers adopt label standard
- Discover and address label issues

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## Progress → Implementing Product Identification

# Current Situation – Data Exchange

### Observations

Aggregated and non-aggregated

Exceptions not reconciled

Data sent mismatches shipment

Data received misinterprets data sent

Data correction does not travel

Serialization data decouples from ERP



### Concerns

Don't always have inference data

Data mismatches inventory

Data integrity issues

Diminished data accuracy as it travels

Downstream data stays wrong

No accountability for data correction

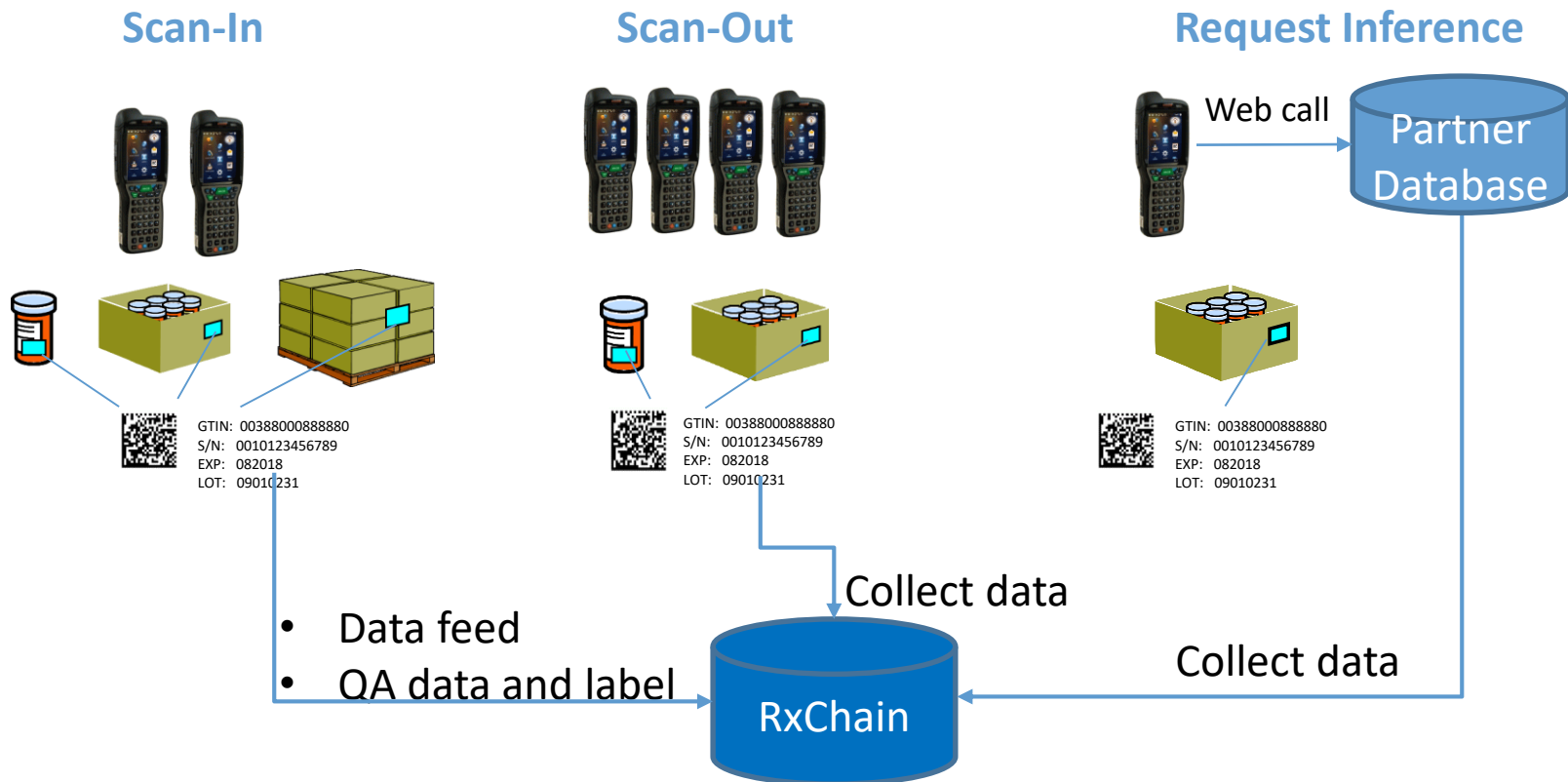
## Progress → Implementing Product Identification

# Continue Efforts - Data Exchange

- Support GS1 Standard
- Develop innovative technology
- Enable better process and better control
- Safeguard supply chain data integrity

# Progress → Implementing Product Identification Efforts - Data Exchange

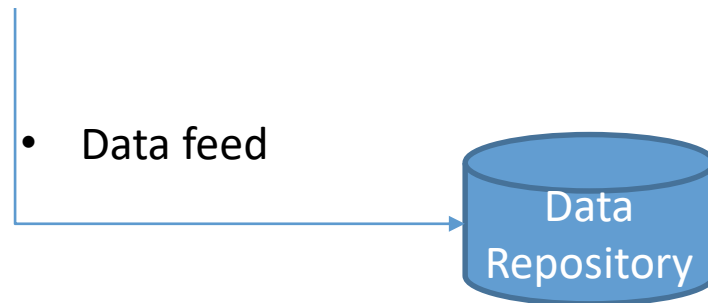
- Enable multi-channel serial data collection



Progress → Implementing Product Identification

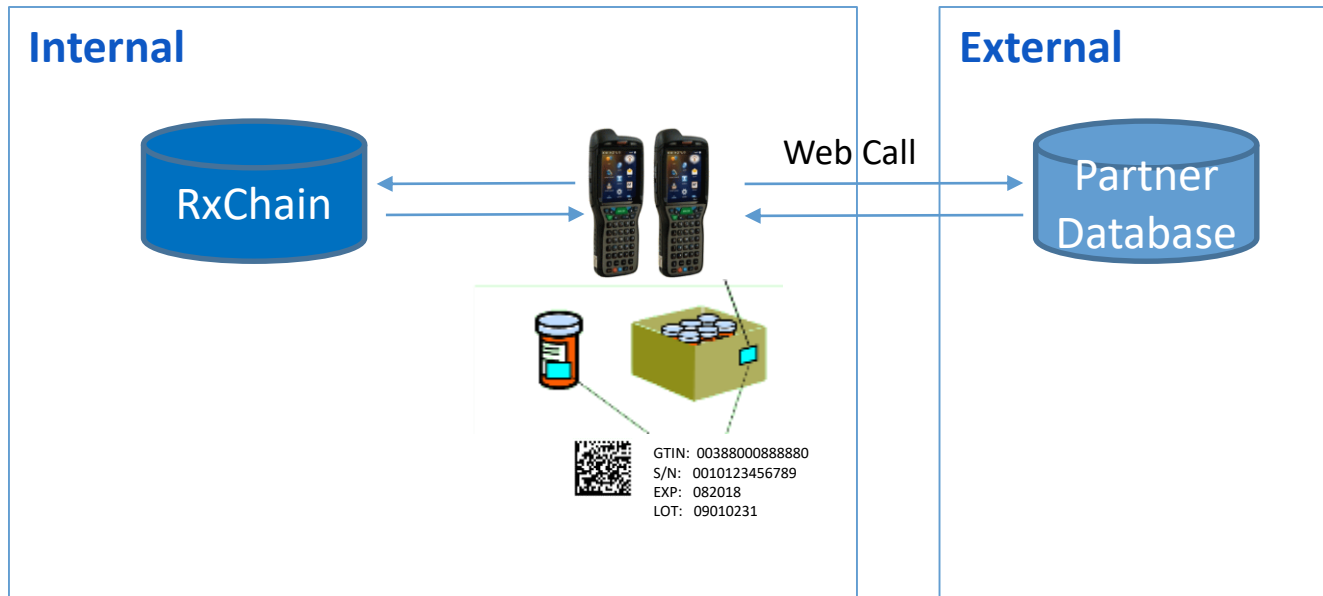
## Efforts - Data Exchange

- Common data repository model



# Progress → Implementing Product Identification Efforts - Data Exchange

- Enable multi-channel verification



## Safeguard Supply Chain Data Integrity

- Enable quality control (label & data) at Scan-In
- Receive data feeds after QA only
- Capture unit and case data at Scan-Out
- Allow data reconciliation for exceptions
- Request and receive inference data from Partner
- Enable verification with internal and external data source
- Error reporting and trending

## Progress → Implementing Product Identification

# Continue Efforts - Data Exchange

- Enable compliance
- Improve operational efficiency
- Support pilot initiatives



# Summary

- Q&A



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