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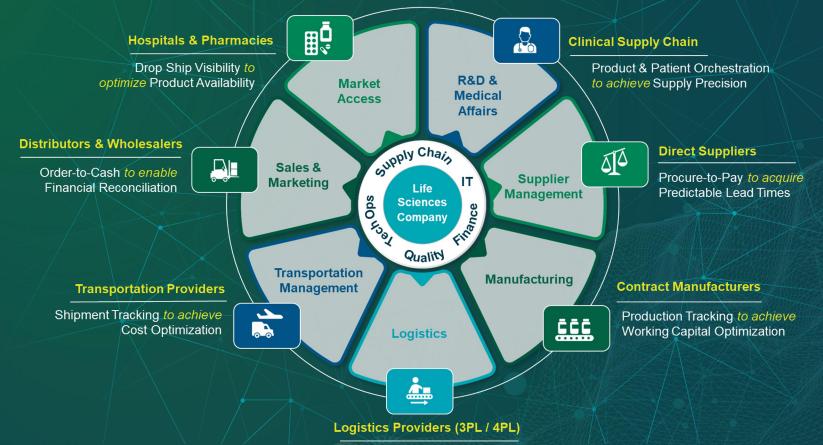








### **End-to-End Digitalization of All Your Supply Chain Processes**



### **Orchestrating Outcomes in Direct Supply**



### **Direct Supply Orchestration**



- US HQ Virtual MAH
- 50+ Global Markets Served
- Procures All Direct Supply
- 5+ CMO + Materials 3PL

- EU HQ
- Specialty Filters and Filtration Systems
- · One Time Use Materials

#### Voice of the Customer – We aim to...

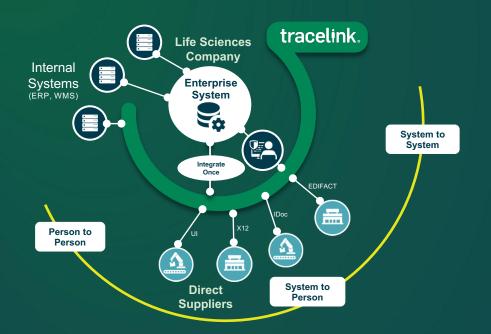
- 1. Digitalize procure-to-pay for 100% of direct suppliers
- 2. Rapidly expand integrations at a predictable, low cost
- 3. Ensure OTIF supply of specialty filters, reduce shortages

#### Voice of the Partner – We aim to...

- 1. Support customers' digitalization initiatives
- 2. Improve production planning with more accurate and timely customer forecast and order data
- 3. Streamline order-to-cash process, meet OTIF commit



### **MINT for Direct Supply**



### Integrate-Once<sup>™</sup> for:

- Forecast Planning Schedule
- Forecast Planning Schedule Response
- Purchase Order
- PO Acknowledgement
- Advance Ship Notice
- Invoice
- Remittance Advice

### The Benefits of Direct Materials Supply Orchestration

#### **Use Case:**

#### **Customer & Partner Business Value:**



# Forecast Collaboration

- Forecast Planning Schedule with Release
- Forecast Planning Response

- Ensures alignment with direct materials suppliers to improve agility and reduces late or missed shipments.
- Forecast collaboration enables safety stock inventories to be reduced over time as supplier deliveries become more predictable and reliable.



# Order Collaboration & Monitoring

- Purchase Order
- PO ACK
- Advance Ship Notice
- Invoice
- Remittance Advice

- Improves planning accuracy with real-time confirmation of PO quantities and due dates.
- Respond more quickly to demand changes and supply chain disruptions.
- Reduced effort to manage purchase orders which enables greater flexibility in order size and frequency which improves supply chain agility.
- Improvise OTIF from Supplier and to Customer

### **Orchestrating Outcomes in Clinical Supply Chain**

Hospitals & Pharmacies

Drop Ship Visibility to optimize Product Availability



Commercia



Research & Development

**Clinical Supply Chain** 

Product & Patient Orchestration to achieve Supply Precision

**Distributors & Wholesalers** 

Order-to-Cash to enable Financial Reconciliation



Commercia



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Direct Suppliers

Procure-to-Pay to acquire Predictable Lead Times

Transportation Provider

Shipment Tracking to achieve



Fransportation
Management



Manufacturing



Contract Manufacturers

Production Tracking *to achieve* Working Capital Optimization

Logistics Providers (3PL / 4PL

Inventory Tracking to achieve Service Level Maximization

### Clinical Supply Chain Orchestration "in the Wild"



- US Northeast HQ
- 50+ Global Markets Served
- 1,000+ Employees
- \$500M+ Annual Revenue

- US Northeast HQ
- 25+ Global Markets Served
- 4,000+ Employees
- \$2B+ Annual Revenue

### <del>-</del>

Life Sciences



#### Voice of the Customer – We aim to...

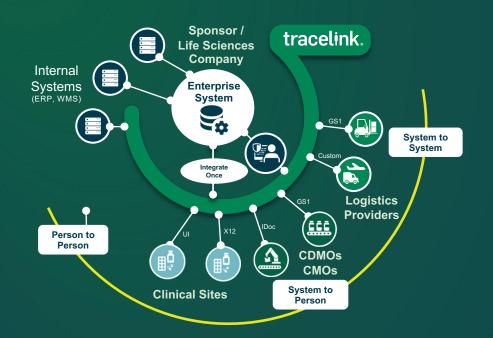
- 1. Cost-effectively support digitalization of customers
- 2. Rapidly expand integrations at a predictable, low cost
- 3. Eliminate the integration impact of multiple internal ERPs

#### Voice of the Partner – We aim to...

- 1. Increase visibility into clinical inventory at CDMO
- 2. Acquire earlier lead time information for supply planning
- 3. Eliminate excess cost and waste



### **MINT for Clinical Supply**



### Integrate-Once<sup>™</sup> for:

- Inventory Balance Request
- Inventory Balance Report
- Inventory Status (Release Status)
- Inventory Status (Kit Status Change)
- Ship Order Request
- Ship Order Acknowledgement
- Shipping Advice
- Advance Ship Notice (Despatch Advice)
- Receiving Advice
- Dispensing Advice
- Drug Return Order
- Destruction Confirmation

### The Benefits of Clinical Supply Orchestration

#### **Use Case**

#### **Benefits of Orchestration**



# Real-Time Inventory Management

- · Inventory Balance
- Inventory Status (Release, Kit Status Change)
- Destruction Confirmation

- Improve clinical supply planning and replenishment with aligned inventory levels across CMO and depot sites
- Monitor stock levels at CMO and depot sites to ensure availability and ontime supply of clinical kits for trial subjects
- Manage shelf-life and expiry of materials across country-specific regulations
- Maintain continuous stock visibility to ensure sufficient supplies while minimizing cost and waste of investigational medicinal product

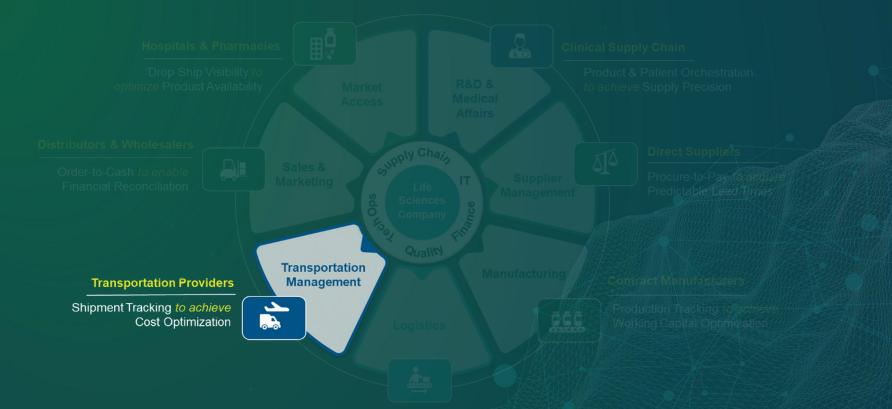


# Continuous Clinical Kit Visibility

- · Ship Order and Advice
- · Advance Ship Notice
- Receiving Advice
- · Dispensing Advice
- Drug Return Order

- Manage end-to-end distribution from production to depot to clinical sites
- Maintain full visibility to clinical product transferred from CMOs to 3PLs
- Ensure on-time supply for trial subjects across treatment plan
- Ensure clinical site preparedness by providing confirmed quantities, tracking numbers, and delivery dates

### **Orchestrating Outcomes in Transportation**



Logistics Providers (3PL)

### **Transportation Orchestration**



- US Midwest HQ
- 98+ Global Markets Served
- 41,000+ Employees
- \$29B+ Annual Revenue

- US Southeast HQ
- 11K+ Trucks
- 22,000+ Employees
- \$19B+ Annual Revenue

#### Voice of the Customer - We aim to...

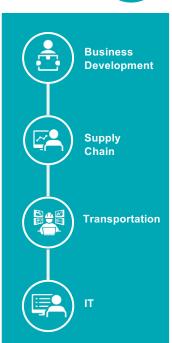
- 1. Book carriers electronically at best freight rates
- 2. Fully integrate with contract carriers
- 3. Improve in-transit visibility and delivery status

#### Voice of the Partner – We aim to...

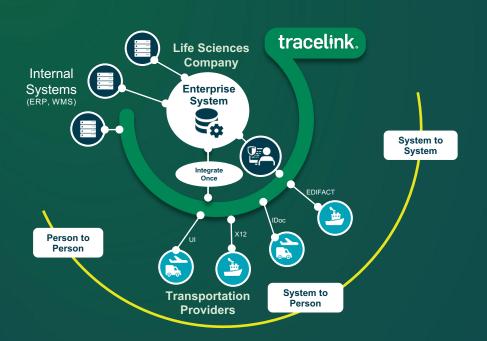
- 1. Support contract customers' digitalization initiatives
- 2. Receive all booking requests directly from shippers
- 3. Provide in-transit visibility to all shippers







### **MINT for Transportation**



### Integrate-Once<sup>™</sup> for Multimodal Transportation for Air, Ocean, Rail and Motor Carriers:

- Transportation Booking Request
- Transportation Booking Confirmation
- Bill of Lading
- Manifest
- Waybill
- Routing Instructions
- Customs Documentation
- Shipment Status
- Invoice

### The Benefits of Transportation Orchestration

#### **Use Case:**

#### Value:



- Transportation Booking Request
- Transportation Booking Confirmation
- Electronically book carriers across land, sea, rail, and air with a single integration.
- Confirm carriers rapidly at the lowest freight rates...



- Bill of Lading
- Manifest
- Waybill
- Routing Instructions

- Ensure carriers have accurate shipping documents to avoid delays.
- Exchange customs documents to ensure border crossings for international shipments are not quarantined.
- Provide instructions to streamline the logistic process, reduce friction and cost, and enhance relationships across the supply chain.



- Shipment Status
- Invoice

- Real-time shipment status to reduce customer service effort while improving customer satisfaction.
- Electronic invoicing to reduce the complexity of transportation billing.

### **Orchestrating Outcomes in Digital Commerce**



Procure-to-Pay *to*optimize Cost and Service



## 2

#### Clinical Supply Chain

Product & Patient Orchestration to achieve Supply Precision

#### **Distributors & Wholesalers**

Order-to-Cash to enable Financial Reconciliation



Commercial



Supplier Janageme

### Direct Supplier

Procure-to-Pay to acquire
Predictable Lead Times

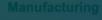
#### **Transportation Providers**

Shipment Tracking to achieve Cost Optimization



Transportation Management







#### Contract Manufacturers

Production Tracking *to achieve* Working Capital Optimization

Logistics Providers (3PL / 4PL

Inventory Tracking to achieve Service Level Maximization

### Digital Commerce Orchestration "in the Wild"

Health System



**VP Pharmacy** Director. **Procurement** Director. Information **Technology Pharmacy** Buyer

- US Regional System
- 10+ Hospitals
- 5,000+ Employees
- \$500M+ Annual Rx Spend

- EMEA HQ
- Specialty Pharma
- 500+ Employees
- \$1B+ Annual Revenue







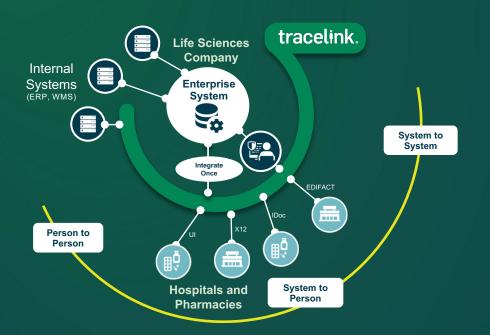
- 1. Reduce overall pharmacy spend
- 2. Digitalize the *procure-to-pay* process with pharmaceutical companies engaged in direct purchases
- 3. Reduce late payments which accrue financial penalties

Voice of the Partner – We aim to...

- 1.Ensure maximum customer satisfaction and predictability in managing accounts receivable
- 2.Acquire real-time customer demand signals to enhance production planning
- 3. Build and support new channel models



### **MINT for Digital Commerce**



#### Integrate-Once<sup>™</sup> for:

- Price/Sales Catalog
- Purchase Order
- PO Acknowledgement
- Advance Ship Notice
- Invoice
- Remittance Advice
- Return Authorization/Notification
- Credit/Debit Adjustment
- Product Activity
- Forecast Planning Schedule / Response
- Dispenser Inventory
- eCommerce

### The Benefits of Digital Commerce Orchestration

#### **Use Case**

#### **Benefits of Orchestration**



# Order Collaboration & Monitoring

- PO / PO Ack
- · Advance Ship Notice
- Invoice
- Remittance Advice
- Returns Authorization
- · Credit/Debit Adjustment

- Improve planning accuracy with real-time confirmation of PO quantities and due dates
- Reduce work in managing purchase orders, enabling greater flexibility in order size and frequency to improve supply chain agility
- Improve timeliness and accuracy of procure-to-pay and financial reconciliation processes



#### **Demand Planning**

- · Product Activity
- Forecast Planning Schedule
- Ensure alignment with suppliers to improve planning agility and reduce late or missed shipments
- Improve collaboration on forecasts, increasing predictability and reliability of supplier deliveries while reducing safety stock inventory
- Reduce risk of out-of-stocks and product delays through improved planning based on demand and inventory visibility
- Enter into new collaborative commercial channel relationships such as ecommerce, vendor management inventory (VMI) to create win-win for both parties

### Call to Action

- Share your feedback on these use cases and how it applies to your business
- Schedule a meeting with your TraceLink account executive to discover how MINT can help with other unique and emerging use cases
- Stop by the Product and Solution Fair to see MINT live.





