

End-to-End Supply Chain Transformation Enabled by a Digital Network Platform

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Welcome to FutureLink 2024!

We've been bringing the industry together for over 15 years, all around the world.



- Capture and maintain lot-level transaction information, history, and statement
- Trade partner authorization
- Lot-level transaction exchange
- Unique serialized identifiers
- Verify product prior to resale
- Fully-electronic, interoperable exchange of transaction information and statement
- Enhanced verification for suspect and illegitimate production detection
- Interoperable, electronic tracking at package level



A 10+ Year DSCSA Journey, Many New Requirements, But One Unifying Goal

US DSCSA is the largest end-to-end digitalization effort ever attempted by any industry

291,000

Authenticated and
Onboarded Network
Members

454M+

Transactions
Exchanged

90%

SKUs Tracked
in the U.S.

44.3B

Serial Numbers
Commissioned

339K

Active Network
Links

4.4M

DSCSA Transactions
Exchanged (Q1 2024)

1.6M

Monthly ASNs
Transacted on the
Network

\$350B

Prescription Drug
Revenue Passing
Through TraceLink

Each company in this room is already soaking in network digitalization opportunities

1,800+ in

Life Sciences



- **2,124** Live Links
- **9,647** ASNs exchanged
- **10,478** Serialized transactions exchanged
- **34+** Hours of Network Success support
- **44** new connections

850+ in

Contract Manufacturing



- **130** Live Links
- **2,016** Serialized transactions exchanged
- **36** Hours of Network Success support
- **5** new connections

870+ in

Distribution & Logistics



- **944** Live Links
- **75,247** ASNs exchanged
- **5,546** Serialized transactions exchanged
- **71** Hours of Network Success support
- **29** new connections

219K+ in

Healthcare



- **40** Live Links
- **29,428** ASNs exchanged
- **2** Serialized transactions exchanged
- **12** Hours of Network Success support
- **1** new connection

42K+ in

Retail Pharmacy



- **115** Live Links
- **70,187** ASNs exchanged
- **2,923** Serialized transactions exchanged
- **36** Hours of Network Success support
- **12** new connections

or·ches·tra·tion

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Verb



Coordinate the supply chain to efficiently move pharmaceuticals from manufacturers to consumers.



Synchronize procurement, manufacturing, distribution, and logistics across suppliers, distributors, regulators, and healthcare providers.



Optimize for cost-effective, and secure delivery of medications, enhancing visibility and responsiveness.



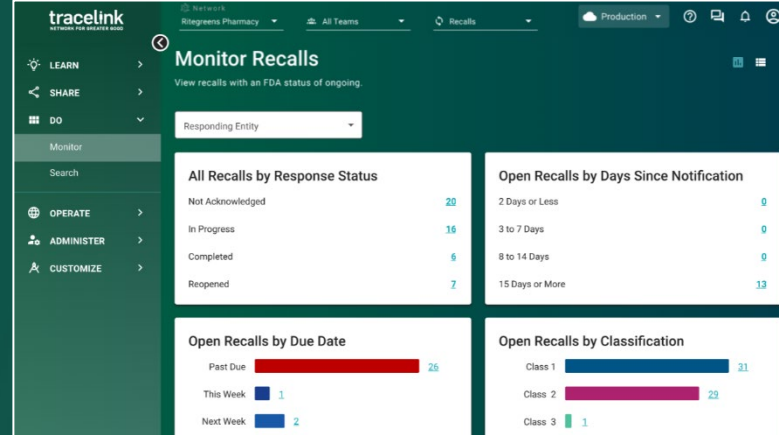
TraceLink built the Opus Platform to enable you to capitalize on and extend your track-and-trace orchestration investments.

Orchestrating Supply Chain Outcomes on the Opus Platform

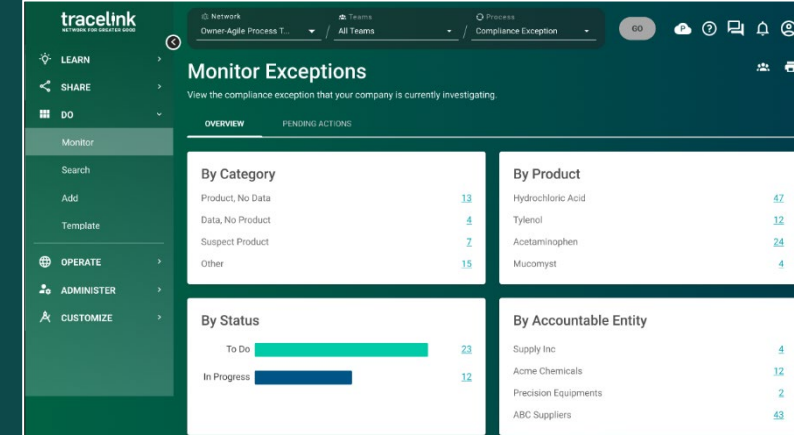
MINT

Processing Status	Processing Date	Message Type	Transaction ID	Sender	Receiver	Input File	Output File
Outbound Processed	21 Dec 2023 22:17	Serialized Shipment Notice	BR92UY	PartnerCrop12023080 81215329371	PartnerCrop12023080 81215329371	Serialized Shipment Notice_ar_54_7.xml	Serialized Shipment Notice_ar_54_7.xml
Outbound Processed	21 Dec 2023 04:15	Serialized Shipment Notice	TYF09	PartnerCrop12023080 81215329371	PartnerCrop12023080 81215329371	Serialized Shipment Notice_ar_54_7.xml	Serialized Shipment Notice_ar_54_7.xml
Outbound Processed	24 Dec 2023 22:17	Purchase Order Acknowledgement	YT02	PartnerCrop12023080 81215329371	PartnerCrop12023080 81215329371	MK_POACK_20231218 045227.xml	MK_POACK_...
Outbound Processed	25 Dec 2023 04:17	Purchase Order Acknowledgement	KIGF	PartnerCrop12023080 81215329371	PartnerCrop12023080 81215329371	MK_POACK_20231218 045227.xml	MK_POACK_...
Outbound Processed	28 Dec 2023 22:17	Purchase Order Acknowledgement	TYFD975	PartnerCrop12023080 81215329371	PartnerCrop12023080 81215329371	MK_POACK_20231218 045227.xml	MK_POACK_...
Outbound Processed	28 Dec 2023 22:17	Purchase Order Acknowledgement	TYF09	PartnerCrop12023080 81215329371	PartnerCrop12023080 81215329371	MK_POACK_20231218 045227.xml	MK_POACK_...
Outbound Processed	29 Dec 2023 22:17	Purchase Order	TYF547	PartnerCrop12023080 81215329371	PartnerCrop12023080 81215329371	MK_PO_20231218045 292.xml	MK_POACK_...

Digital Recalls



Compliance Exceptions



B2B Transactions

Marketplace Link Actions
View the Link Actions available to everyone on the TraceLink network.

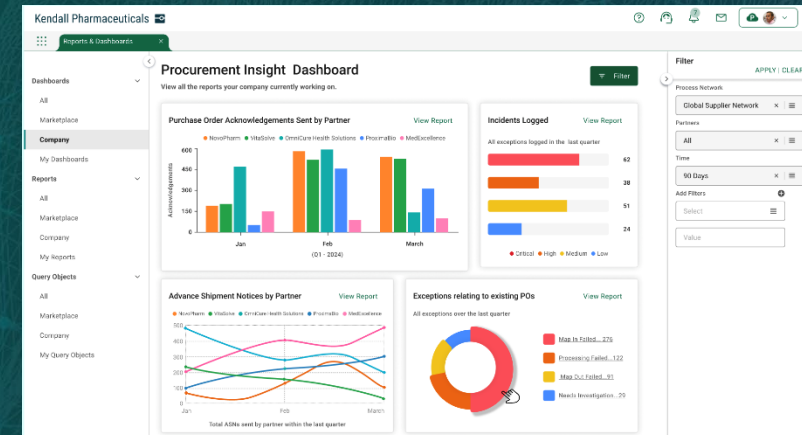
Name	Description	Version
Netsuite	Standard Netsuite connection	1.0.0
MS Dynamics	Standard MS Dynamics connection	2.0.0
Netsuite	Standard Netsuite connection	1.1.0
MS Dynamics	Standard MS Dynamics connection	2.1.0

Solution Designer

Marketplace Solutions
View the solutions available to everyone on the TraceLink network.

Solution Name	Application Name	Version	Provider Name
Multienterprise Information Network Tower	Multienterprise Process Connect	1.0.0	TraceLink
Supply Chain Work Management	Agile Process Teams	2.0.0	TraceLink
Supply Chain Work Management	Agile Process Team	2.1.0	TraceLink
Master Data Sharing	Product Information Manager	2.0.0	TraceLink
Product Verification	EU Compliance	9.1.0	TraceLink
Product Verification	Product Verification	1.2.0	TraceLink
Russia Compliance	Russia Compliance	1.0.0	TraceLink
Serialized Process Intelligence	Serialized Process Intelligence	1.0.0	TraceLink
Serialized Operations Manager	Serialized Operations Manager	2.0.0	TraceLink
US SPSA Compliance	US EPCS Compliance	1.0.0	TraceLink

Opus Reports & Dashboards



Opus Ensemble

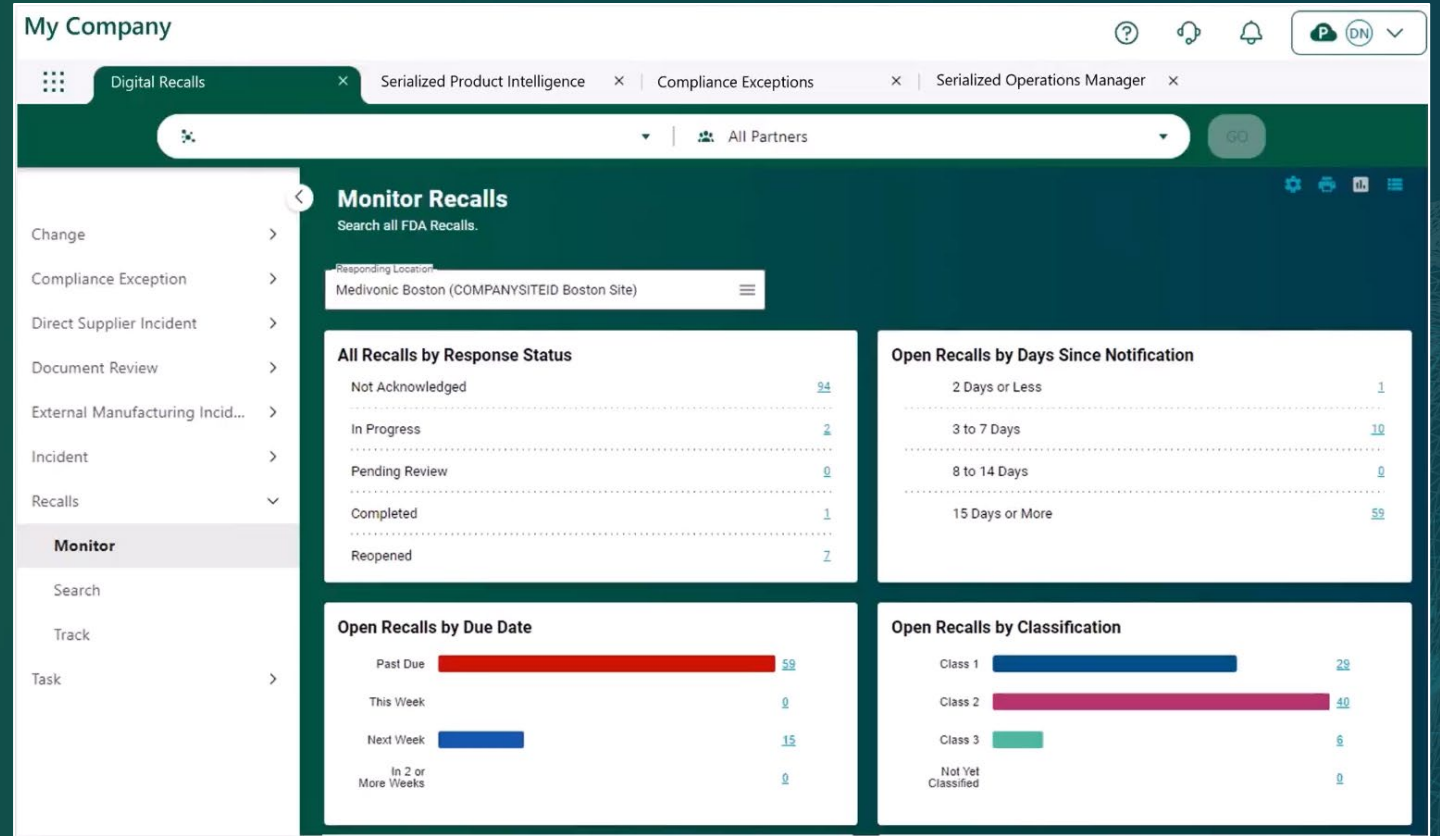
A single view and experience of your complete, end-to-end supply chain network.

The screenshot displays the 'My Company' dashboard with a navigation menu on the left. The main content area shows a 'Messages' table with the following data:

Processing Status	Processing Date	Message Type	Transaction ID	Sender	Receiver	Input File	Output File
Outbound Processed	23 May 2024 12:39	Warehouse Stock Transfer Receipt Advice	(WSTRA) 7593173898	Jote Inc	Munro Limited	GA_WAREHOUSE_STOCK_TRANSFER_RECEIPT_ADVICE_20240523083702.x12	outboundcanonica_L1.json
Outbound Processed	23 May 2024 12:34	Warehouse Stock Transfer Shipment Advice	(WSTSA) 7593173898	Munro Limited	Jote Inc	GA_WAREHOUSE_STOCK_TRANSFER_SHIP_ADVICE_20240523083140.xml	outboundcanonica_L1.json
Outbound Processed	23 May 2024 08:09	Inventory Balance	(IB) 4510365037	Alpenstock LLC	Munro Limited	MF_INVENTORY_BALANCE_20240523040723.xml	outboundcanonica_L1.json
Outbound Processed	23 May 2024 05:39	Advance Ship Notice	(DEL) 9952834902	Alpenstock LLC	Munro Limited	GA_PURCHASE_ORDER_ASN_20240523013714.xml	MPC_ADVANCE_SHIP_NOTICE_20240523T0539417_Cffex
Outbound Processed	23 May 2024 05:37	Purchase Order Acknowledgement	(PO) 4303869993	Alpenstock LLC	Munro Limited	GA_PURCHASE_ORDER_ACK_20240523013444.xml	MPC_PURCHASE_ORDER_ACK_20240523T0537017_aTATf

Targeted Digital Recalls

Acquire real-time insights into affected inventory and reduce staff time by 40%.



Network-Based Exception Management

Manage DSCSA compliance exceptions with all partners across the supply chain.

The screenshot shows a web application interface for 'My Company' with the following components:

- Navigation Menu (Left):** Change, Compliance Exception, **Monitor** (selected), Search, Add, Direct Supplier Incident, Document Review, External Manufacturing Incident, Incident, Recalls, Task.
- Header:** My Company, MINT, Serialized Product Intelligence, Compliance Exceptions (active), Serialized Operations Manager.
- Search Bar:** Compliance Exceptions, All Partners, GO.
- Main Content Area:**
 - Monitor Exceptions:** View the compliance exception that your company is currently investigating.
 - OVERVIEW / PENDING ACTIONS:**
 - By Category:**

Data, No Product	15
Product, No Data	5
Data Issues	5
Damaged Product	4
Tracing Verification	1
 - By Product:**

Cough Away	5
AntiH 15MG Caplets	2
Monoba 30 MG Tabs	1
Cloprerazine	1
Lab Product	1
Robs Cold Med	1
Sleep Easy	1
 - By Status:**

ToDo	22
UnderInvestigation	9
 - By Accountable Entity:**

Medivonic	11
Renderico	8
Aprisana Labs	5

Integrate-Once™ Digital Commerce

Expand on interoperable exchange of ASNs by enabling real-time exchange of POs, Invoices, Forecasts, Inventory Balances and more.

The screenshot displays the 'My Company' MINT interface. The top navigation bar includes 'MINT', 'Serialized Product Intelligence', 'Compliance Exceptions', and 'Serialized Operations Manager'. Below this is a search bar for 'Multienterprise Information Network Tower' and 'All Partners'. The main content area is titled 'Search Messages' and contains a table of B2B messages. The table has columns for Processing Status, Processing Date, Message Type, Transaction ID, Sender, Receiver, Input File, and Output File. The messages listed are all 'Outbound Processed' and include details such as Warehouse Stock Transfer Receipt Advice, Warehouse Stock Transfer Shipment Advice, Inventory Balance, Advance Ship Notice, and Purchase Order Acknowledgement.

Processing Status	Processing Date	Message Type	Transaction ID	Sender	Receiver	Input File	Output File
Outbound Processed	23 May 2024 12:39	Warehouse Stock Transfer Receipt Advice	(WSTRA) 7593173898	Jote Inc	Munro Limited	GA_WAREHOUSE_STOCK_TRANSFERR_RECEIPT_ADVISE_20240523083702.x12	outboundcanonica_L1.json
Outbound Processed	23 May 2024 12:34	Warehouse Stock Transfer Shipment Advice	(WSTSA) 7593173898	Munro Limited	Jote Inc	GA_WAREHOUSE_STOCK_TRANSFERSHIP_ADVISE_20240523083140.xml	outboundcanonica_L1.json
Outbound Processed	23 May 2024 08:09	Inventory Balance	(IB) 4510365037	Alpenstock LLC	Munro Limited	MF_INVENTORY_BALANCE_20240523040723.xml	outboundcanonica_L1.json
Outbound Processed	23 May 2024 05:39	Advance Ship Notice	(DEL) 9952834902	Alpenstock LLC	Munro Limited	GA_PURCHASE_ORDER_ASN_20240523013714.xml	MPC_ADVANCESHIP_NOTICE_20240523T053941Z_Cfffx
Outbound Processed	23 May 2024 05:37	Purchase Order Acknowledgement	(PO) 4303869993	Alpenstock LLC	Munro Limited	GA_PURCHASE_ORDER_ACK_20240523T05370523013444.xml	MPC_PURCHASE_ORDER_ACK_20240523T053701Z_aTATf

Orchestrate Your Supply Chain Outcomes on the **Network for Greater Good**

323

Active drug shortages – the highest level in recorded history

14,000+

Drug recalls in the past decade

25%

Vaccine wastage due to improper supply chain handling

\$431B+

Global revenue loss annually due to counterfeit medications

96%

Hospitals believe drug diversion occurs in their facilities

Sources: Pacific Research Institute. ASHP. Wolters Kluwer Solutions. World Health Organization. Pharmaceutical Processing World