

Digitalize Your End-to-End Supply Chain with TraceLink Multienterprise Information Network Tower

Achieve real-time supply chain intelligence through cost-effective B2B network integration with 100% of your contract manufacturers, suppliers, 3PLs, carriers, and customers.

Business leaders across the healthcare and life sciences industries are actively seeking to increase supply chain intelligence by improving their visibility into purchase orders, inventory, production forecasts, demand signals, and more. By increasing real-time B2B integration to manage these transactions and orchestrate the flow of products across their supply chains, these leaders will:

- Reduce supply risk.
- Reduce product and supply chain costs.
- Improve efficiency across manufacturing and logistics operations.
- Improve product availability and customer service levels.

TraceLink Multienterprise Information Network Tower

Multienterprise Information Network Tower (MINT) uses the proven TraceLink network and its powerful Integrate-Once, Interoperate with Everyone™ capability to enable integration with 100% of your supply chain partners at a fraction of the cost and time of alternative methods like EDI or point-to-point models. A single connection to the TraceLink network enables the real-time exchange of purchase orders, invoices, advance ship notices (ASNs), production forecasts, and most other common business transactions.

INDUSTRY USE CASES FOR TRACELINK MINT

MINT's flexible integration capability and full complement of business transactions enable companies across the supply chain to quickly connect and share information to support a broad set of use cases. Examples include:

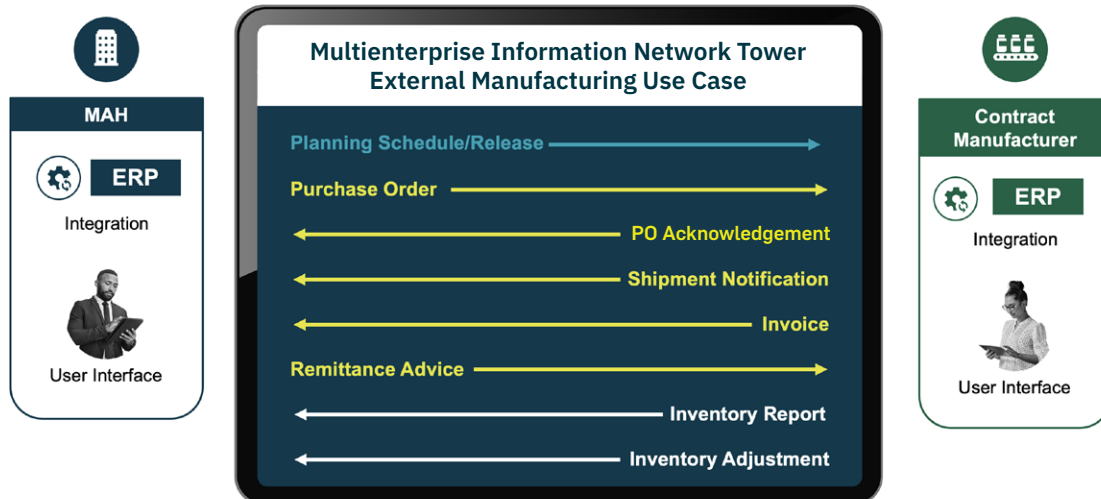
- **A global biopharma company** that needs to quickly and inexpensively integrate more than 100 contract manufacturers (CMOs) to share forecasts, purchase orders, delivery status, and inventory balances.
- **CMOs** that need more efficient onboarding to support a wide range of customers, from global brand owners that want to integrate with 30 locations in 20 countries through EDI, to small biopharmas commercializing their first products that will email purchase orders infrequently.
- **Procurement leaders** at wholesale distributors that need greater visibility—beyond just EDI and phone calls—into the quantities and delivery dates of thousands of purchase orders across hundreds to thousands of suppliers.
- **A third-party logistics provider (3PL)** that needs to accelerate new customer onboarding by connecting its inventory management system to the ERP systems of more than 200 of its European customers without adding to their IT backlog.
- **Transportation providers** that need more precise visibility into the destinations, load sizes, and pickup and delivery schedules of thousands of shippers to reduce deadhead loads and improve on-time performance.

The TraceLink network currently supports more than 340K active network links between manufacturers, CMOs, wholesale distributors, logistics providers, direct suppliers, and dispensers—so it's likely that your company is already connected.

Key Capabilities

- **Integrate-Once, Interoperate with Everyone™:** Each company has a single connection to the TraceLink network.
- **Partner Onboarding:** Partners are onboarded by TraceLink at no cost, including ongoing maintenance. There is no cost for your partners to participate in information exchange with you.
- **Real-Time B2B Integration:** MINT enables real-time exchange of all common business transactions between trading partners. (See table 1 on page 3.)

MINT Integrates Your Contract Manufacturers to Enable the Real-Time Exchange of Business Transactions



- **Flexible Integration Formats:** Each partner uses the integration format that works best for them, including EDI (ANSI X12, EDIFACT), IDoc, EPCIS, XML, CSV, and API. Customer-specific integrations are also supported.
- **Communicate with All Partners:** Data exchange through the TraceLink network enables:
 - **System-to-System:** Business transactions are exchanged between your ERP and your partners' ERP systems.
 - **System-to-Person:** Business transactions are sent from your ERP to the TraceLink network and accessed by partners through the MINT user interface.
 - **Person-to-Person:** You and your partner exchange data through the MINT user interface.
- **Central Data Governance & Availability:** MINT centralizes data management for all transaction exchanges and provides status updates for you and your partners. With MINT, data does not get lost in emails, voicemails, or portals.
- **Orchestrate Your Digital Twin:** MINT uses the relationships defined in the TraceLink network to enable the orchestration of products with CMOs, suppliers, customers, and logistics providers across your end-to-end supply chain.

IMPROVED COMMUNICATION WITH ALL PARTNERS: How It Works

MINT enables better communication between you and your partners regardless of transaction frequency or digital maturity. Let's look at purchase order exchange as an example: You may use the SAP IDoc format to send purchase orders to the TraceLink network, while one supplier receives them as an ANSI X12 850, another supplier as an EDIFACT ORDERS, and a third supplier accesses them through the MINT user interface.

For partners that you communicate with infrequently, you may also choose to use the MINT user interface to input the purchase order and PO acknowledgement.

Orchestrate Products Across the End-to-End Supply Chain with MINT






Contract Manufacturing Organizations (CMOs)	Direct Suppliers	Third-Party Logistics Providers (3PLs)	Customers	Wholesale Distributors
 <ul style="list-style-type: none"> Forecast Planning Schedule & Release Purchase Order PO Acknowledgement Inventory Balance Report Inventory Adjustment Advance Ship Notice Batch Master Invoice Remittance Bill of Materials Master Data 	 <ul style="list-style-type: none"> Forecast Planning Schedule & Release Purchase Order PO Acknowledgement Advance Ship Notice Invoice Remittance 	 <ul style="list-style-type: none"> Inventory Balance Report Inventory Adjustment Warehouse Stock Transfer Warehouse Shipping Orders & Advice Advance Ship Notice 	 <ul style="list-style-type: none"> Price/Sales Catalog Purchase Order PO Acknowledgement Advance Ship Notice Invoice Remittance Return Authorization Credit/Debit Adjustment Product Activity Product Transfer & Resale 	 <ul style="list-style-type: none"> Price Authorization Acknowledgement Product Transfer Account Adjustment Response to Product Transfer Account Adjustments Price/Sales Catalog Purchase Order PO Acknowledgement Advance Ship Notice Invoice Remittance Return Authorization Credit/Debit Adjustment Product Activity Product Transfer & Resale

Table 1

Key Benefits

- Ensure Lowest Total Cost of Ownership with the Industry's Simplest Pricing Model:** Our unique pricing model is based on the number of MINT Links and the number of transaction types being exchanged. There are no unpredictable usage fees based on data volumes processed or a percentage of the value of the business transactions. There are no fees for your partners to participate.

MINT PRICING TIERS	ESSENTIAL VISIBILITY	EXTENDED VISIBILITY	FULL VISIBILITY ²
Annual Cost per MINT Link ¹	\$600	\$1,200	\$4,800
Onboarding Cost per MINT Link	\$0	\$0	\$0
Transaction Type Count Limit per MINT Link	3	7	Unlimited
Transaction Volume Limit ³	Unlimited	Unlimited	Unlimited
Customer User Count Limit	Unlimited	Unlimited	Unlimited
Trading Partner User Count Limit	Unlimited	Unlimited	Unlimited

1) MINT is priced per MINT Link; MINT Links can be placed into different tiers depending on the number of Transaction Types exchanged. 2) MINT Links leveraging the Serialized Shipment Transaction Type are subject to Full Visibility pricing. 3) With regard to MINT transaction volume limits, customer order forms may specify a maximum practical daily limit of files exchanged per day, per MINT Link and Transaction Type to protect against unnatural or abusive activity which could compromise system integrity.

- **Modernize Partner Integration:** Reduce the costs to run and maintain EDI, portals, and expensive point-to-point integrations.
- **Increase Visibility and Collaboration:** Real-time data exchange ensures you and your partners are aligned on goals and can quickly respond to supply chain disruptions.
- **Improve ERP Performance:** Real-time information sourced from your partners ensures ERP is operating with the most current and accurate data.
- **Improve Planning:** Real-time order, inventory, and shipment updates from your partners ensures plans are more accurate.
- **Reduce Inventory Balances:** Accurate updates to inventory balances and adjustments from CMOs and 3PLs enable tighter inventory management with lower buffer stocks.
- **Boost Logistics Efficiency:** Real-time data exchange with logistics and transportation providers ensures fast and efficient order fulfillment.
- **Increase Working Capital:** Real-time transaction exchange reduces order-to-cash process times.
- **Improve Customer Service:** Better planning and inventory management ensures customer shipments are on-time, in-full.

MINT:

A Win-Win Model with Partners

Your trade partners share the benefits achieved through MINT B2B integration, including:

- Real-time customer integration with no integration or transaction costs.
- Easier integration because partners only need to integrate once for all customers or suppliers.
- Improved responsiveness to customer requests for updated business transaction information.
- Improved operational efficiency resulting from more accurate production and logistics planning.
- Reduced IT costs related to building and maintaining outdated modes of information exchange, including EDI and point-to-point integrations.

About the TraceLink Network

TraceLink MINT is built and hosted on the TraceLink network, the life sciences industry's largest digital network platform, which enables organizations across the healthcare and life sciences supply chain to seamlessly exchange serialized data, ASNs, traceability information, and much more with direct and indirect trade partners. Key network metrics include:

290K+

authenticated and onboarded network members

4.7B+

in customer savings by avoiding point-to-point integrations

7,400+

live CMO connections across more than 1,300 customers

50K+

ASNs exchanged per month

919M+

regulatory documents processed and exchanged

4.1B+

serial numbers commissioned to date

100% dedicated to the healthcare and life sciences industry

TraceLink MINT is the most cost-effective and efficient way for trading partners to collaborate in real time, exchange business information with 100% interoperability, and achieve end-to-end supply chain visibility. Try it with a partner for free!

Contact TraceLink to schedule a meeting and get started with MINT now.