one One Network Enterprises™

Integrated Business Planning and Execution
Across Your Digital Supply Network

Improve Responsiveness, Agility and Financial Performance with One Network's Intelligent Business Platform

GLOBAL SUPPLY CHAINS IN A RAPIDLY EVOLVING AND VOLATILE WORLD

Across virtually every industry today, organizations are challenged with managing their complex global supply chains efficiently, unlocking value, and improving business performance in an increasingly competitive, volatile world. Enterprises need to operate in a way that unifies and optimizes planning and execution in real time, all the way from sales and operations planning (S&OP) to sales and operations execution (S&OE) in the last mile.

In today's hyper competitive environment, the inability to meet target service levels because of out-of-stock, fill-rate problems, and inventory imbalance throughout the supply chain, results in:

- Revenue and even market-share loss
- Deterioration of customer satisfaction
- Production delays
- Higher labor and logistics expediting costs to prevent production line downtime

The pattern and source of revenues, costs and profits has been frequently and drastically shifting, meaning production and supply patterns are shifting too. Regulatory pressures continue to tighten, lowering margins and increasing uncertainty. Manufacturers have to meet regulatory targets while investing in new technologies and business models.

Key challenges are holding back these organizations when they take on digital initiatives. Current systems cannot keep up with the 'Now' paradigm: just-in-time, eCommerce, and real-time responsiveness and collaboration. In a complex and decentralized supply chain with a large number of products and raw and intermediate materials, it's very easy for supply and demand to become misaligned. Producing the wrong product mix, carrying incorrect inventory levels, or ordering items at wrong place and at the wrong time can cause serious performance problems, both within your four walls and across a multi-echelon network of partners.

The underlying cause for these problems is the inability to perform planning and scenario analysis across the entire supply chain.

KEY OPERATIONAL BENEFITS OF THE ONE NETWORK PLATFORM:

- Bring greater insight and alignment to business planning
- Synchronize planning and execution across the end-to-end supply chain network
- Simultaneous improve service levels, revenues and reduce inventories
- Meet fluctuating supply needs and reduce transportation costs while improving service levels
- Remove latency from decision-making
- Automatically reallocate materials around the clock
- Predict and sense demand automatically
- Follow the trail of each transaction, from beginning to end
- Delight customers with unified order fulfillment
- Orchestrate inbound supply and avoid disruptions
- Collaborate with logistics providers in real time

KEY FINANCIAL BENEFITS:

- Reduce inventory network-wide by 20 to 40%
- Improve service levels to over 95%
- Improve capacity throughput by 10%
- Reduce expedited freight cost by 30 to 50%
- Improve logistics utilization by 5%
- Improve resource efficiencies by 20% to 50%

Where current ERP solutions and serialized planning across domains (and therefore long planning cycles) fall short, the **One Network Solution's key differentiation is the ability to perform Integrated Business Planning (IBP) and execution with Single Version of the Truth (SVOT) for the complete network**. This method of aligning capacity, inventory, and logistics planning and execution in near real time across multiple tiers offers enormous benefits to many industries.

Several business factors are also driving the need for new types of solutions that span a continuum across supply, production, logistics, products, and partners:

- Higher frequencies of changes in the types of products
- Shorter and shorter product lifecycles
- Growing numbers of trading partners
- Increasingly decentralized supply chain

This drives a need for increased flexibility and speed in the supply chain. This coupled with constantly changing customer demand puts enormous pressure on supply chains.

The companies that win in this new economic reality will be those that align closely with suppliers to bolster local capacity and bring promising innovations to market quickly.

Fortunately, the technologies and processes that support supply chains are rapidly evolving, taking a more horizontal approach that breaks down silos, streamlines processes, and enables efficient, customer- driven collaboration across the entire supply chain network.

INTEGRATED BUSINESS PLANNING (IBP) AND EXECUTION FOR THE DIGITAL SUPPLY CHAIN

One Network's Integrated Business Planning solution leverages the Real Time Value Network (RTVN) and the NEO Platform. It links your organization's multi-year strategic plan and annual operating plan, monthly S&OP plans, and all operational plans. The goals are to plan and execute for profitability and business continuity, and to account for and minimize the effects of demand and supply variability.

The solution coordinates and synchronizes end-customer demand across all internal operations and key trading partners, including contract manufacturers, suppliers, logistics providers, and retailers. It empowers planners and executives to see the impact of specific changes. As a result, organizations can plan for profitability, variability, and continuity, and more effectively plan both tactically and strategically.

Furthermore, all actual execution data is captured in real time, enabling the organization to compare plans with what has actually happened or is currently happening, and also to execute plans across departments and trading partners. The highly scalable solution plans for multiple sites and multiple items concurrently in order to balance the needs across the entire network. IBP enabled by a digital network is part of the next generation tools to simultaneously improve customer service, speed, and efficiency.

Key IBP capabilities include:

- Sales & Operations Planning (S&OP)
- Order management and promising
- Demand planning and replenishment
- Multi-tier manufacturing, procurement and inventory planning and collaboration
- Logistics execution and the last mile
- Control Tower for full visibility and control

There are several key elements needed to maximize the utility and benefits of IBP and execution:

- **The One Network platform enables the ability to model the end-to-end value chain** (i.e. from the forward most demand such as the customer or retail outlets, to DCs all the way to n-tier suppliers) in a unified fashion. This forms the real-time, single version of the truth (SVOT) for all network participants. One Network's extensive supply chain network modules simultaneously and continuously plan and execute demand, supply, and logistics related operations.
- **One Network's Intelligent Autonomous AI agents, called NEO**, are continuously monitoring the network for any changes. Once changes are detected, the intelligent NEO agents autonomously propagate applicable changes both upstream and downstream to balance the Demand-Supply equation.
- **Multi-Enterprise Master Data Management (MDM)** enables partners in the supply chain network to reconcile master data efficiently and accurately in order to manage information about customers, products, raw and intermediate materials, suppliers, locations, and other entities. Network-wide partners need to connect once only to the shared, network solution.

SALES AND OPERATIONS PLANNING (S&OP)

S&OP creates and executes plans, and includes key trading partners' plans. The solution links underlying systems to provide a complete business view that speeds up data gathering and planning processes, and analyzes the network-wide impact of decisions like promotions and new product introductions. Real-time data, taken directly from planning and execution systems, shortens business planning cycles and brings insight and alignment to the process. Using the network to conduct simulations and impact analyses makes it simple to compute directional profit and loss statements. The business can model and store multiple scenarios at each business level, encompassing the demand plan, finished goods plan, production plan, raw materials plan, and logistics.

Plans for Profitability. Planning for profitability enables the team to set targets for top-line and bottom-line goals and establish plans at the organization level (e.g. brand or site) while automatically aggregating the plans up to the corporate

Integrated Business Planning and Execution for the Digital Supply Chain

- Track and trace
- Manage financial settlement

LAST MILE

SALES & OPERATIONS PLANNING

- Plan and execute for profitability and business continuity and plan out variability

- Drive the complete lifecycle of logistics processes with precision
- Simultaneously manage logistics and order management in real-time

LOGISTICS

ORDER MANAGEMENT & PROMISING

- Intelligently broker orders across various systems and processes utilized by the multiple parties
- Make promise based on important and realistic factors

- Manage capacity, procurement and inventory planning and collaboration with network partners

MULTI-TIER MANUFACTURING COLLABORATION

DEMAND PLANNING & REPLENISHMENT

- Develop and communicate accurate demand signals to the network
- Intelligently replenish to satisfy business goals and optimize costs

level. Furthermore, it computes the cost-of-goods-sold and any associated operational costs and matches them against their corporate goals. To achieve this financial view, other more traditional solutions require inflexible custom configurations or reports that may take weeks to compile.

Plans Out Variability. Variability - whether of demand or supply - remains a chief source of risk for today's manufacturers and retailers. Plans out variability dramatically reduces demand variability by automatically computing demand for all products down to the channel/SKU level. The service also includes robust planning tools for the primary sources of demand variability, such as new product introductions and promotions. Furthermore, after computing demand, the service reduces supply variability by creating all necessary supply and operational plans for your organization and trading partners (e.g. raw material, production, inventory, distribution, material, commodity plans, and product mix).

Plans for Business Continuity. Planning for Business Continuity helps maximize business continuity by ensuring that the plans take into account the right suppliers and logistics providers. This is made possible by the fact that the service is designed to enable users to easily create, save, and compare multiple "what-if" scenarios at any level in the hierarchy without affecting the operations. Once a scenario plan is finalized it can be frozen,

passing along all relevant plan information—for example promotions, new product introductions, and price changes—to planning and execution systems.

Projects Actuals. Finally, while the other enterprise systems are carrying out their transactions, the S&OP solution measures its S&OP plans against what is actually happening, and projects based on actual demand and supply what the future daily, weekly, monthly (or any time horizon) actuals will be. This process can take place as often as every day.

ORDER MANAGEMENT AND PROMISING

The One Network Distributed Order Management (DOM) solution intelligently brokers orders across various systems and processes utilized by the multiple parties involved in replenishing an order. Leveraging the best way to achieve this, the solution provides a single, global view of all inventory available in order to intelligently source the line item components of that order. In doing so, it ensures that the business can meet both current and future customer demand while optimizing inventory, logistics, and asset utilization.

To deliver on the ability to intelligently broker and source orders across a complex network, the DOM solution looks beyond just the demand side solutions and leverages an advanced dynamic

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sourcing (DS) capability. This matches a growing number of market forces that make it imperative for global companies to consider leveraging a dynamic sourcing footprint. Their sourcing decisions must encompass an increasing number of variables such as lead times, logistics costs, currency swings, and regulations.

Key capabilities, which enable responsiveness to shifting customer demand, include:

- Order promising
- Customer delivery promise
- Intelligent order forecast sourcing
- Global inventory visibility
- Real time order execution
- Demand sensing

AI Augmented Order Management and Execution

In addition to leveraging the Network Effect for DOM and dynamic sourcing, intelligent NEO agents infuse the network with intelligence. Intelligent agents continuously monitor the supply- chain wide network and can take quick proactive predefined action when disruptive events occur anywhere in the network. This near-instantaneous action based on early problem detection is the most effective way to dampen supply chain problems such as the "bullwhip" effect, and resolve problems while they are relatively minor and easier, faster and cheaper to fix.

NEO enables dramatic improvements in supply chain performance. Major sources of cost are reduced, costs such as expediting, unplanned overtime, production line setups and teardowns.

The intelligent NEO agents identify patterns, trends, and anomalies, and extract insights to inform execution decisions, make recommendations and autonomously execute them. In this context, NEO agents provide the ability to automate order execution based on predefined sets of rules and performance measurement targets.

Multi-Channel Order Aggregation

In addition, the DOM solution combines multi-channel order aggregation with global visibility to inventory, including delivery and service availability, enabling the "complete" order promise (available-to-promise, available-to-deliver and available-to-service). Essentially this solution offers the ability to "order from

anywhere, fulfill from anywhere, and return to anywhere." It includes optimized, rules-based order promising and scheduling, inventory and resource allocation from any internal or external source to meet both the conditions of the order and the requirements of your business.

Improved Customer Service

Outside of these core replenishment aspects, DOM also plays an important role in the overall customer experience by providing an environment to broker and manage orders from multiple sales channels to ensure that customer orders are executed to meet or exceed customer expectations. The order and shipment visibility across the supply network is a key driver related to the overall customer experience.

By providing a centralized order orchestration hub, the solution has the capability to provide a real time view of all of a customer's purchases across all of the seller's channels. This way, distributed order management becomes a key enabler of increased supply chain efficiency in addition to an improved customer experience.

The solution is designed to replace the legacy order management paradigm where systems were configured to link to a discrete number of specific plants or warehouses, limiting inventory visibility as well as the options companies have in sourcing their items. Legacy ERP infrastructures were designed to be static rather than dynamic, supporting individual sales channels with single threaded supply schema and segmenting groups of customers by channel, rather than as a network of individuals.

DOM orchestrates all aspects of inventory awareness, sourcing, and fulfillment to meet customer demand and expectations while optimizing the utilization of inventory and resources.

Order Promising and Allocation

Here is how order promising and allocation works with respect to retailers or direct consumers.

1. **The intelligent NEO Order Promising agents promise sales orders**. The agents search the network in attempt to promise each order from a single site when possible. The sites that are promised from may be limited by promise zones. The NEO agents can respect site preference orders by cost along the site lane or by simple ranking within specified promise zones.

2. **The intelligent NEO order allocation agents perform a demand-supply match across multiple customers and suppliers in real time**. They allocate the available supply to the appropriate customer based on priority, time period and other factors based on configurable business rules. They can operate on individual transactions and on transactions aggregated by customer channel.

The NEO agents work in conjunction with the other intelligent agents such as those for Replenishment, Order Aggregation and Order Sourcing to satisfy the planning needs for a wide array of supply chains. NEO agents support Make-to-Stock (MTS), Make-to-Order (MTO) and Configure-to-Order (CTO) allocation. MTS Allocation is the allocation of customer orders constrained by the minimum of a Quota and Supply capacity. In addition to the Quota and Supply capacity, the MTS agent will use fair share, freight schedule and other factors.

The Supply Allocation process are performed in two stages:

1. **Channel Allocation** is outside the order firm period and aggregated for time periods. The agents respect channel-level priority for fair-share allocation of supply. Optionally Channel Allocation Quota can be shared with the Customer.
2. **Order Allocation** is inside the firm period and constrained by the "quota" set by the Channel Allocation. Then the solution continuously orchestrates fulfillment execution for the organization and its trading partners to optimize for demand/supply priority, inventory positions of the demand sites, available and capable to promise supply, logistics capacity, and air and freight schedules.

DEMAND PLANNING AND REPLENISHMENT

Customer-oriented supply chains may have thousands of locations and even more supply chain professionals and partners, delivering many SKUs to millions of customers, across countries around the world. This exacerbates the challenges, which include:

- Keeping on-time in-full (OTIF) level high while controlling supply chain cost
- Placing inventory at the right place to avoid stock-out and lost sales (promos included)
- Performing high frequency replenishment planning and re-planning especially for out-of-stock items in hours rather than in days

The Demand Planning and Replenishment solution includes these components:

Intelligent NEO Agents and the Autonomous Supply Chain: With One Network's ability to model the end-to-end value chain (i.e. from stores to DCs to factories and all the way to n-tier suppliers), supply chain practitioners no longer have to fight the "bullwhip" effect. Intelligent NEO agents continuously monitor the network for any changes that can impact demand planning and replenishment. Once changes are detected, NEO agents autonomously propagate applicable changes both upstream and downstream to balance the demand-supply equation and eliminate any supply and demand signal distortions.

Demand Sensing and Autonomous Forecasting: One Network utilizes daily or even hourly Point of Sale (POS) data to create an item and distribution center level forecast as often as needed. The results are then "exploded" back to location level based on a smart pattern recognition agent that apportions forecast values based on the sales profile registered in the POS data for that location. Autonomous Forecasting determines where inventory should be moved and generates orders for replenishment. **In doing so, the solution can remove days from replenishment cycle time**.

NEO agents continuously monitor the demand signal (POS) for any anomalies, and they make autonomous demand and supply adjustments on an hourly or daily basis to ensure customer service levels are met.

Attach Rate Forecasting: What about forecasting for accessories and other related products? One Network enables the set-up of attach rates and their sales trends for secondary items. Then the Attach Ratio Engine calculates the attach rate between the primary and secondary items using historical sales data analysis so that their forecast can be generated simultaneously.

Perpetual Inventory and Continuous Planning to Minimize Stock-outs: If there's nothing on the shelf or if items are unavailable, consumers cannot buy. Unlike most traditional planning systems, which rely on external data sources to update stock counts, the solution can automatically keep count of stock on-hand for all current products. This is vital for accurately computing replenishment needs at different locations. Companies configure the presets once and the system monitors inventory levels (count increments and decrements) across millions of product-location combinations.

Demand fluctuations automatically trigger orchestrated replenishment planning up the supply chain. The system will constantly adjust for all items/sites combinations, and it proactively intervenes when there is a projected stock out.

Multi-Echelon Inventory Optimization (MEIO): Manufacturing, Consumer Goods, Retail companies have complex and completely decentralized supply chains to support their operations. Carrying incorrect inventory levels across this multi-echelon network often causes problems such as:

1. Inventory Shortage: Unable to meet target service levels at retail locations (out-of-stock, fill-rate problems)
2. Inventory Surplus: Larger than desired days of supply (DOS) resulting in increased cost of sales
3. Increased Waste due to shorter product life, leading to unnecessary costs in buying, storing and disposing of goods

MEIO maintains the desired customer service level at the service locations while optimizing the service levels and inventory across the whole network. The solution optimizes the inventory costs, subject to designed effective fill rates (desired service levels), enterprise-wide constraints (budgets), site constraints (capacity), and item constraints (critical items).

Backward Propagation of Demand to Upstream Tiers: Can the system effectively propagate demand from store all the way back to the n-level vendor tier in near real-time? Yes. The system precisely computes net requirements based on stock on-hand and on-order to generate accurate order forecasts (i.e. supply inbound requirements). One Network offers distributors and vendors the ability to view and operate with accurate long-term forecasts so they can plan production and distribution accordingly.

MULTI-TIER CAPACITY, PROCUREMENT AND INVENTORY PLANNING AND COLLABORATION

Customer demand is continuously translated across each tier and site in the network. Demand propagation across the supply network considers the current demand forecast, inventory, production schedules, in transit supply, supply commitments, Bills of Materials (BOM), carrier pickup and delivery schedules, and the transportation network between sites. This provides each site (across n-tiers) with accurate real-time demand visibility, as permitted by the network relationships each party has agreed to, at each site, upstream and downstream to the end customer. Key capabilities include:

- Constrained Multi Echelon Supply and Production Planning with execution and collaboration across N-tiers
- Integrated distribution and transport planning with industry-leading execution capabilities

Continuous multi-tier tactical planning and intelligent NEO agents automatically create and adjust procurement and production orders, transportation orders, shipping and loading instructions, and pickup and delivery carrier appointments.

Planning NEO agents continuously monitor execution streams in real time to adjust plans and respond to changing conditions including predicted weather impacts on site capacity and transport lanes, missed shipments, delayed production, cancelled orders, and unexpected demand fluctuations. Here are some examples of the types of decisions agents can make or recommend for approval before execution:

- When, how much, and where to procure or make product
- Predictive detection and proactive mitigation of stock outs, late supply, supply delays, plan-to-actual deviations, cost overruns, and revenue shortfall
- Cancel, change and create transport, replenishment, procurement, production orders directly with partners on the network, to execute agent decisions immediately
- Decide how (transport lane, mode) and when to move product from site to site
- Schedule movement of products from site to site directly with carriers
- Pickup and delivery-aware last-minute allocation of supply to site or store orders in cases of supply shortage
- Automated creation or cancellation of transport orders to carriers to align transport with order commitments and inventory positioning
- Proactive detection of environmental impact on supply, demand and transport

- Proactive response to environmental impacts via reshaping supply movement, allocation, stocking and distribution.
- Automated order expediting, aggregation, consolidation
- In-field product performance monitoring with device service scheduling, part procurement, delivery, and service coordination.

LOGISTICS EXECUTION AND THE LAST MILE

One Network's Logistics Solution Suite empowers logistics partners to better serve their customers. It has industry-proven success across manufacturing, retail, CPG, food service, automotive, healthcare, pharmaceutical, high tech, aerospace, logistics, and government sectors. Shippers and 3PL's use the One Network Logistics Solution Suite on the Real Time Value Network™ (RTVN™), to rapidly achieve accurate real-time information, optimization and collaboration across a diverse set of trading partners and their systems.

One Network optimizes, automates and tracks execution of the entire inbound and outbound logistics lifecycle, from order to delivery, for a global, multi-modal, multi-leg network of 17,000 transportation providers. To enhance the customer-driven business network, One Network brings unprecedented resiliency, efficiencies, and shared business benefits for the entire Logistics network of shippers, 3PL's, carriers, and service providers.

One Network's Logistics Solution Suite gives customers the ability to manage the complete lifecycle of transportation processes with precision, all on a single, cloud-based platform, including:

- Logistics planning, execution and management
- Procurement and contracting
- Appointment scheduling
- Yard management
- Global trade management
- Financial and claims settlement
- Carrier Services

Logistics Planning reduces freight cost, distance, and number of trucks by multi-stop consolidation and mode selection. In automated mode, it supports:

- Multi stop cross lane consolidation along with aggregation
- Single pick multi drop, multi pick single drop, pooling algorithms
- Equipment capacity and compatibility constraints
- Incompatibility rules by commodity codes
- Location to equipment constraints by routing guide
- Rich set of planning policies at organization and site level
- Advanced optimization – backhaul, private fleet, continuous moves

In manual mode, it supports:

- Intuitive Planner Workbench to perform manual consolidations
- Multi-truck planning with what-if scratchpads
- Manual updates triggering rating/capacity resizing – keeping planning and execution in synch
- Alerts and exceptions capturing all the edits
- Outbound integration of changed loads/shipments

Logistics Execution and Management takes the plans generated by Planning and executes the required multi-tier and multi-party transactions in:

- Carrier rating and tendering
- Supplier allowances
- Routing guide
- Lane bidding/award
- Carrier/partner portal
- Taxes, accessorial rates
- Demurrage and detention costs
- Private Fleet Management

For 3PL/4PL, transactions include:

- Client quoting
- Cost plus/client contracts
- Dual rating
- Client, 3PL, and carrier collaboration

The system continuously plans and automatically executes required transactions, saving human intelligence for the exceptions.

Procurement and Contracting possesses rich representation of freight contracts, covering all complex rating scenarios and client contracts covering dual rating for Buy/Sell business models. It supports:

- Sequential and broadcast based tendering options
- Spot and contracted rating options
- RFQ process for contract bidding and authoring, integrated with freight contract management
- Rich set of invoicing policies to cover invoice generation, auditing and collaboration
- Multiple currencies and currency conversions
- Tender collaboration, quote collaboration and invoice collaborations supported by collaborative platform and portals for carriers and clients

Contracting enables:

- Global contract representing tariffs for all carriers, with specific carrier contract overriding
- Multiple contracts for a given carrier, but only one active at any given time
- Geo lane, equipment, service level, rating type-based tariff structure
- Extensive list of cost methods configurable by lane, along with step-based rating, incremental step rating and deficit rating
- Rate derivation policies to influence the granularity of rating
- Cost allocation policies to do freight cost allocation to shipments and shipment lines

Appointment Scheduling provides hourly visibility for inbound and outbound operations. It eliminates capacity issues for short lead time priority orders and enables immediate engagement of Carriers already on the network. It continuously monitors

the network, suggests calculated responses, and if appropriate, advises users of any deviation from the plan. Additionally, it provides:

- Automated scheduling for live/drop appointments
- Capacity management covering door slots and labor and resource requirements based on forecast
- Extensive policies at site, dock door group and dock doors to simulate all business constraints

Yard Management provides complete visibility to gate-in/gate-out, load/unload timings of both inbound/outbound operations. It also enables:

- Inventory visibility with in the Trailers along with their tracking events, contents, and priorities
- Generation of operational transactions tracking the yard/dock shunting operations
- Support Geo Fencing, deriving arrival and departure events based on GPS updates
- Ability to view a shunting report which shows all shunting operations that the shunter is assigned to perform

Global Trade Management offers full global visibility across all trading partners. It includes container prioritization, freight forwarding, and integrated customs documentation capture and retention. It also couples Integrated Business Planning with optimized execution orders and automatically executes the required transactions.

Financial and Claims Settlement supports for Accounts Payable and Accounts Received invoices covering Freight Invoices and Client Invoices. It also enables:

- Transactional invoices as well as periodic batch invoicing
- Multi-currency, multi-line invoices, credit and supplemental invoices
- Automated invoice auditing based on invoicing policies configured along with thresholds of discrepancy
- Collaborative platform in resolving the holds and Invoice Approvals and Payment updates
- General ledger codes based on geographical regions and associating transactions to these codes
- Support for EDI 210 and CSV based invoice uploads

Carrier Services enable the carrier roles with mobile apps and provide carrier score cards. Mobile apps are available on iOS and Android and provide:

- GPS Tracking
- Tender Collaboration
- Appointment Scheduling
- Track and Trace
- Alerts and Monitoring
- IoT data feeds

Carrier Score Cards enable:

- Real-time monitoring dashboard
- Self-subscription model
- Cost and performance-based metrics
- Aggregate and shipper specific analytics

CONTROL TOWER FOR FULL VISIBILITY AND CONTROL

One Network's Control Tower provides end-to-end visibility and control across the network, plan to actual tracking, alerting and KPI visualization for all network participants (suppliers, carriers, channel partners, and end customers). It monitors, manages, and controls decisions and execution across functions and across companies to optimize the entire network.
The Control Tower solution offers considerable benefits and capabilities, from end-to-end visibility to advanced automation, including:

- **End-to-end Visibility** across supply chain partners, including suppliers, contract manufacturers, transportation carriers, third-party logistics
- **Collaborative Information Sharing** to collaborate in real-time
- **Early Warning Alerts and Exception Management** to resolve supply chain disruptions before they impact your business
- **Predictive and Prescriptive Decision-Support** for predictive and prescriptive analytics
- **Autonomous Decision-Making and Control** is available to take the robot out of the human and boost productivity

The Control Tower uses Intelligent NEO agents extensively, serves as a system of engagement across trading partners, and orchestrates companies and functions to work together in real-time to serve the end consumer. Any combination of local and global Control Towers can be configured on the network providing each party with the right level of visibility, control and exceptions management across any combination of sites, regions, and countries. The Control Tower supports all parties and processes, including:

- **Production** of internal manufacturing sites and contract manufacturing sites
- **Material Supply** from tier-1 to tier-n
- **Transportation** from first mile to last mile
- **Warehouse**, **DC** and **Channel** operations
- **Store** and **Ecommerce** operations
- **Chain of Custody** and **Track & Trace**

The solution helps global companies improve KPIs for the entire network, including:

- Increase on-time in full (OTIF) performance
- Improve in-store/channel, in-stock performance
- Improve forecast accuracy at all levels and sites (internal and external) in the network
- Reduce DC and retail store inventory levels
- Reduce excess inventory and obsolescence
- Reduce global and domestic transportation costs and improve pickup and delivery reliability
- Improve productivity – in autonomous mode – no manual effort required by retailer, manufacturer, or supplier

PROVEN SOLUTIONS AND RECOGNIZED LEADERSHIP FROM ONE NETWORK

Industry analysts have praised One Network's innovative vision for supply chain visibility, collaboration, and automation. Gartner has recognized One Network Enterprises as a Leader in its "Magic Quadrant for Multienterprise Supply Chain Business Networks" report, as well as a Leader in the IDC Marketscape "Worldwide Multi-Enterprise Supply Chain Commerce Network Vendor Assessment." The company also ranked highest for the fourth consecutive year in Nucleus Research's "Control Tower Technology Value Matrix for 2019."

You can leverage One Network's highly scalable solutions to:

- Design and maintain desired service levels with right level of inventory investments
- Balance supply and demand across the entire supply chain network in order to respond to customer needs
- Propagate demand in real-time across the many tiers of suppliers, in internal and external supply network (including logistics service providers)
- Optimize decision-making and respond more effectively when changes and exceptions occur
- Take important steps in your digital transformation journey toward a truly digital supply chain and autonomous supply chain management

One Network Enterprises™

ABOUT ONE NETWORK

One Network is the intelligent business platform for autonomous supply chain management. Powered by NEO, One Network's machine learning and intelligent agent technology, this multi-party digital platform delivers rapid results at a fraction of the cost of legacy solutions. The platform includes modular, adaptable industry solutions for multi-party business that help companies lower costs, improve service levels and run more efficiently, with less waste. This SaaS and aPaaS platform enables leading global organizations to achieve dramatic supply chain network benefits and efficiencies across their ecosystem of business partners. One Network offers developer tools that allow organizations to design, build and run multi-party applications. Leading global organizations have joined One Network, helping to transform industries like Retail, Food Service, Consumer Goods, Automotive, Healthcare, Public Sector, Defense and Logistics. To date, more than 75,000 companies have joined One Network's Real Time Value Network™ (RTVN™). Headquartered in Dallas, One Network also has offices in Japan, Europe, and India. For more information, please visit www.onenetwork.com.

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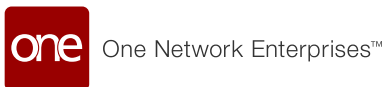
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