

The ONE Difference: Enabling Strategic to Tactical Success

One Network Enterprises, Inc. (ONE), a Blue Yonder company, provides a supply chain and logistics management solution that delivers what no other system, including ERPs, has been able to accomplish in the global defence market: a true tactical to strategic network solution to manage military logistics.

The secure solution is artificial intelligence (AI) and machine learning (ML) enabled. It is secure. It is supply class agnostic. It never goes legacy and provides modernizations that organizations can choose without the excessive cost of sustainment that plagues today's traditional implementations. It provides drastic audit posture improvement. It supports multi-domain operations with multi-lingual capabilities. It has a world-class integration layer that maximizes legacy environments and provides a path for immediate enhancements. And an unmatched deployed / disconnected capability that allows organizations to operate in both contested and austere environments logistically uninhibited.

When we talk about differentiators, the ONE solution is a true tactical to strategic network solution. This is why it is both innovative and revolutionary. No other software solution enables operators at the lowest level (or lowest tier) to see and influence actions throughout the supply chain network, as strategic planners and managers do the same. How does the solution do this? It does it through a network-centric approach and an architecture that is built to support multi-echelon organizations.

This approach begins at the most tactical level (tier), the point of use, and continues into the strategic planning tier, all inside a single enterprise solution. ONE's deployed/disconnected capability includes four distinct capabilities to enhance operations in contested and/or austere environments. This is accomplished through one of four distinct deployed/disconnected capabilities.

1) NEO Enterprise – cloud-based, network-centric, modular enterprise logistics solution allowing for connection between other ONE instances, legacy systems, as well as other enterprise solutions. The NEO Enterprise can serve as the authoritative system of record (including acting as the authoritative ERP), or as a system of engagement, feeding into systems of record. A typical NEO Enterprise deployment may integrate into existing ERPs, extending out and providing capabilities to the Operational and Tactical environments. This capability leverages the investment in an existing ERP while enhancing its capabilities.

2) NEO Deployed Server – uses the same software stack as the enterprise with a smaller database that will work on a laptop or workstation, designed to give full enterprise capability to tactical operations on ship or ashore. It can operate connected to or disconnected from the enterprise, serves as the collection point for Disconnected Client or TacViz Apps waiting to be synced back to the NEO Enterprise once connectivity is reestablished.

3) NEO Disconnected Client – windows-based application designed for use with touch screen tablets with scanning capabilities in warehouses and frontline supply points, can operate with or without connection to deployed server or enterprise ensuring mission continuation regardless of network status. Munitions CONOPS can be supported through a HERO-safe tablet.

4) TacViz App (Application) – Android based app designed for forward deployed tactical unit level (frontline) resupply and accountability of all classes of supply, providing tactical resupply requests, receipt and expenditure capabilities to frontline units. Compatible with most Android devices and can run next to ATAK on the same device ensuring supply visibility without requiring additional devices to be carried in the field.

These four capabilities add unmatched flexibility that help ensure successful logistics management operations anywhere, anytime.

As an example, a 20-person special operations team is operating isolated and requires ammunition, food, water, and clothing resupply. This can be executed on a laptop computer, handheld tablet, or Android device. The newest capability is a "TacViz App" option. This is an Android-based application (app), compatible with the same devices on which ATAK is used, that enables tactical organizations to report expenditures, conduct inventory receipts and request replenishment of essential supplies in real time.

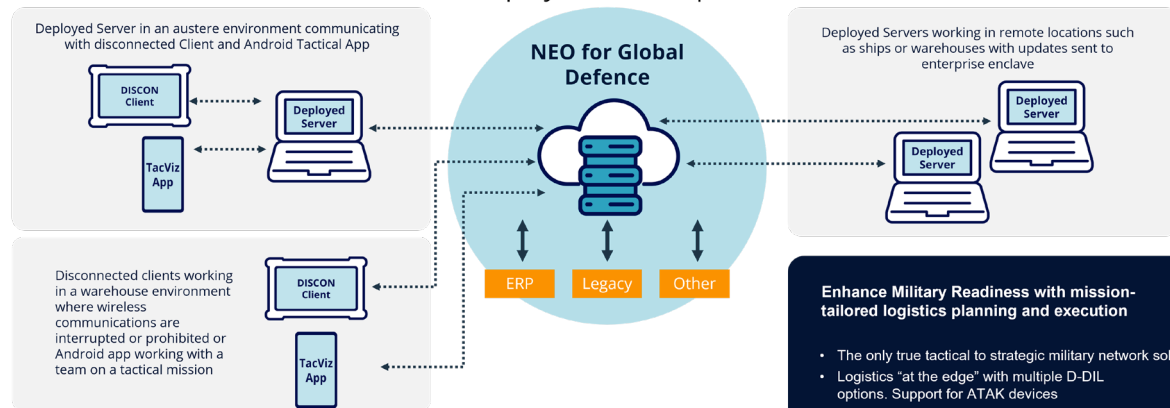
By providing a user-friendly and efficient end-to-end platform, the app ensures logistics requirements are promptly addressed, providing units the ability to extend commanders' operational reach on today's battlefield. This capability by itself differentiates the ONE solution from others; and when you integrate into the NEO Enterprises' operational and strategic capabilities, the effectiveness and efficiency are realized by everyone.

This solution enables real-time visibility, planning and actionability from the tactical level (tier) to the strategic level with an intelligent, multi-tier Control Tower. The solution is a secure, federated, supply chain management system embodying real-time visibility, decision-making, and execution capabilities across the entire end-to-end supply chain network. Built for the cloud, it can also be deployed within an organization's IT infrastructure securely. It provides visibility and actions on requisitions, purchase orders and shipments down to individual items and facilitates collaboration across all parties, both vertically and horizontally.

The control tower runs on real-time data, either in a shared database, or leveraging a federated "publish and subscribe" master data management capability that recognizes which systems are authoritative systems and can honor data sovereignty rights across countries.

Full Continuum of Solutions for Military Logistics

Deployment Examples



NEO for Global Defence

- Enterprise level capability for all Defense logistics
- Integration to legacy and ERP leverages existing investments
- Support for multi-Domain operations, all organizational tiers
- Never goes legacy, always modernized

NEO Deployed Server

- Full enterprise level capability of all NEO-based functions
- Deployable, Operates for indefinite periods offline
- Full synchronization to both Enterprise Server and Disconnected Clients
- Operates on any bandwidth

NEO Disconnected Client

- Work anywhere disconnected on hardened mobile computers with scanners.
- Operates over any bandwidth.
- Need general description of what can be done
- Syncs quickly and seamlessly for harmonized consolidation of data and transactions.

NEO TacViz App

- ATAK supported Android App for small tactical units/teams to report expenditures and request replenishment of supplies to their logistics support organization.

Enhance Military Readiness with mission-tailored logistics planning and execution

- The only true tactical to strategic military network solution
- Logistics "at the edge" with multiple D-DIL options. Support for ATAK devices
- Out of the box defense capabilities; easily configured "your way"
- Solutions that "never go legacy", always modernized
- Multi-domain operations with multi-lingual capabilities
- Integration that easily extends your existing ERP and legacy environments
- All supply classes, military groups, logistics functions and tiers
- A secure platform for all deployment environments
- Interoperable with NATO and other systems
- Auditability and Financial Transparency

This significantly improves effectiveness and efficiency while protecting information and access to those that are authorized. Providing much more than visibility, the control tower provides predictive and prescriptive analytics, using AI/ML prescriptions that enhance advanced problem-solving and optimization.

The ONE solution is modular with backward compatibility. As an organization, you want to keep moving forward, and organizations also want to leverage past technology investments where feasible. Instead of monolithic ERPs that must be customized to work in military environments, NEO for Global Defence is modular and fit-to-purpose. This means it can be rapidly configured to meet your specific operational requirements, and then your implementation is supported as commercial off-the-shelf (COTS). The solution is compliant with International Traffic in Arms Regulations (ITAR) and is interoperable with logistics solutions deployed today.

With ONE, you can now exploit the "network effect" from the highest strategic level down to the lowest tactical level. Our solution works best when the most tactical level organizations drive and influence the demands for the supply chain network.

Other solutions are siloed and are not architected to support this. With a detailed chain of custody capability and financial integration layer, the transactional enterprise solution documents all actions, making organizations instantly more auditable.

Additionally, our solution is compliant with the International Traffic in Arms Regulations (ITAR), and completely interoperable with logistics solutions deployed today.

It is easy to see why we believe our capabilities differentiate us. If you seek a revolutionary capability with real-time visibility and execution from the strategic to tactical level with a proven audit capability, NEO for Global Defence is the answer.

Unlike other supply chain software solutions, the ONE solution delivers a differentiated capability to integrate planning and execution with demand-driven processes, enabling everyone to collaboratively optimize execution and improve operational effectiveness and efficiency in a decisive, fast, efficient and "future proofed" manner.

The software that is the subject of this documentation is subject to control of the EAR and/or ITAR.

Supply chain reinvented

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A Blue Yonder Company

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