

The logo for One Network Enterprises, featuring the word "one" in white lowercase letters on a red square background.

One Network
Enterprises™

Real-Time Digital Supply Chain Network™ An Emerging Technology Required for Today's Logistics Operations and Tomorrow's Mission Continuity

An Artificial Intelligence (AI) – Driven Digital Supply Chain Network™

July 2022

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VALUE PROBLEMS IN TODAY'S DEFENSE SUPPLY CHAINS

MULTI-TIER SUPPLY
AND SERVICE LEVEL
CHALLENGES

IMPROVE SUPPORT TO
THE WARFIGHTER

OPERATE IN AUSTERE
ENVIRONMENTS

OPERATE IN SECURE
ENVIRONMENTS

COMPLIANCE

MODERNIZE LEGACY
SYSTEMS

INTEGRATE WITH
LEGACY

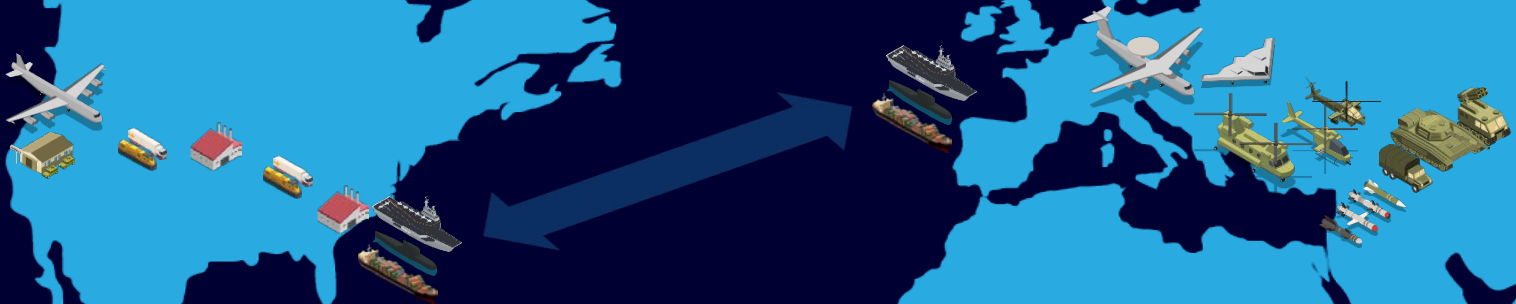
FEWER CHOICES

MISSION READINESS & SAVING LIVES

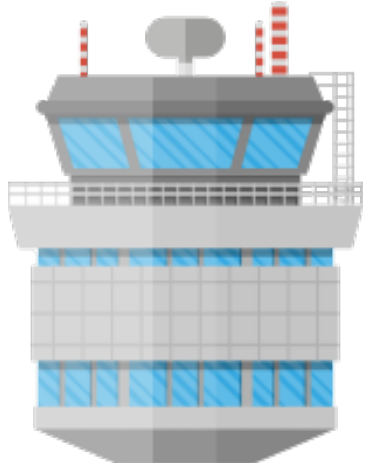
ONE's DIGITAL SUPPLY CHAIN NETWORK™

A connected, automated, smart and agile network

- Common Data Model
- Patented Permissions Framework
- Real Time Single Version of the Truth
- AI & Machine Learning



What is the AI-Driven Digital Supply Chain Network™?



Supply Chain Control Tower

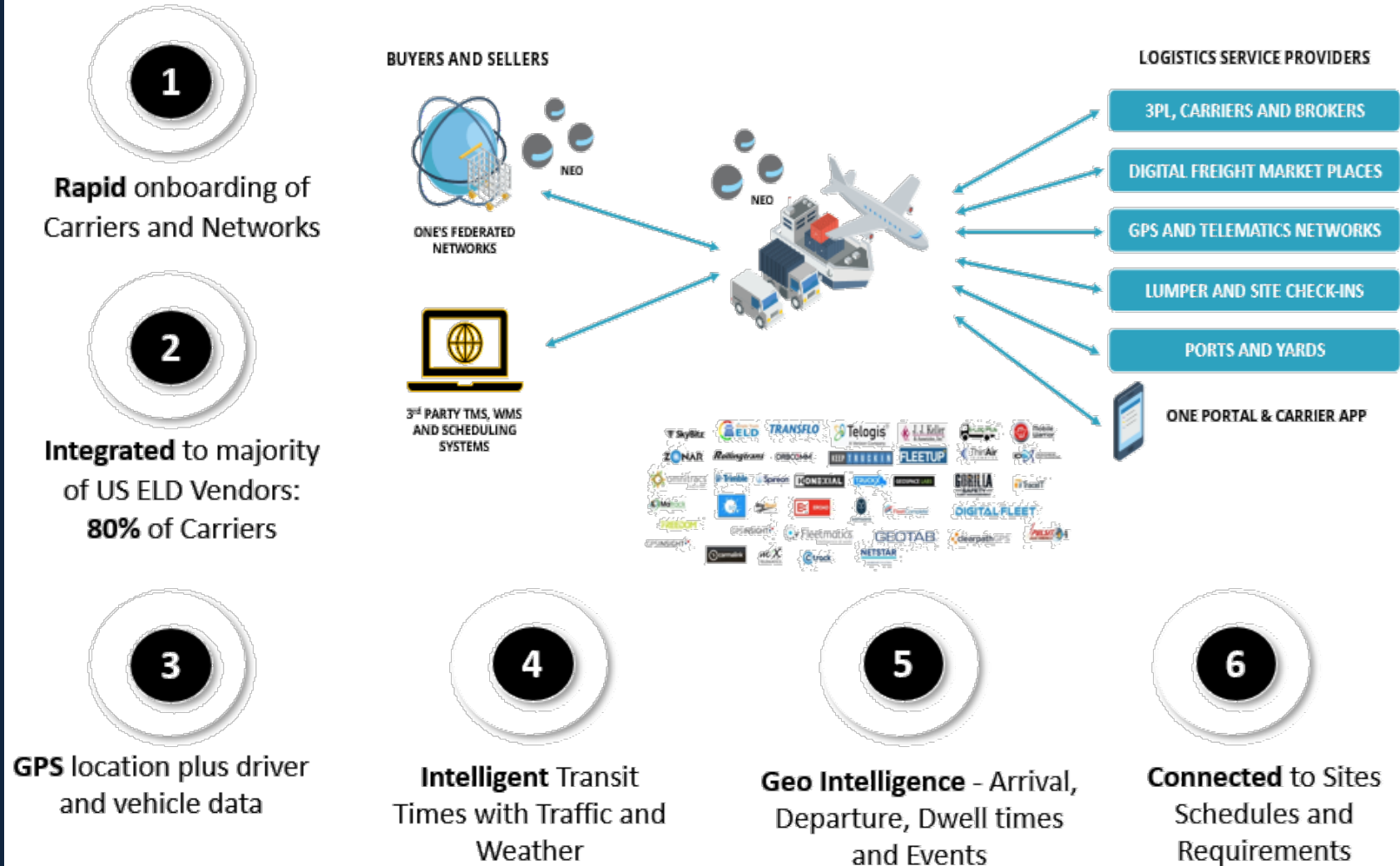


- Intelligent Command and Control Tower with real-time visibility and actionability
- Next-generation AI-powered planning married to the execution
- Autonomous optimization and resolution on SKU & NSN level at scale
- Self-learning and adjusting network parameters
- Real-time collaboration supporting multiple languages
- Federated Master Data honors Data Sovereignty while enabling effective combined mission effectiveness
- Full Disconnected Operations supports tactical operations in austere environments

GLOBAL LOGISTICS GATEWAY

NETWORK OF NETWORKS

Connected through ubiquitous architecture

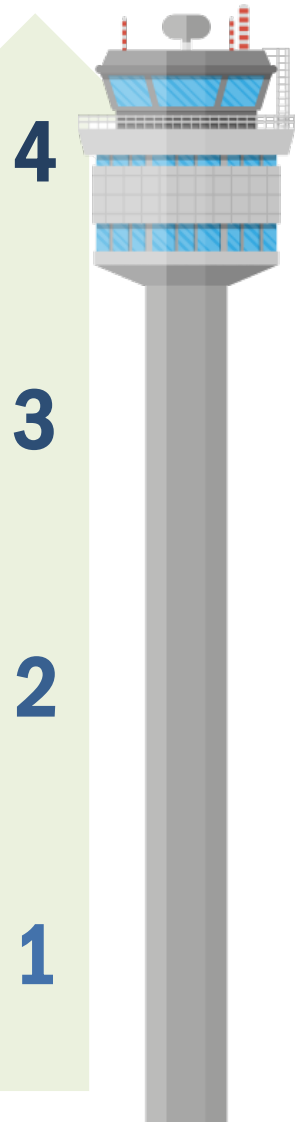


5 Fundamental Principles of an AI-Driven Digital Supply Chain Network™

1. **Embedded control tower layer** with “Dynamic Adaptive Flows”
2. Inherently **multi-tier** and **multi-party**; **all parties are Hubs**
3. **Planning and Execution are married** using real-time network-wide data and autonomous learning algorithms
4. All propagation issues are **translated and communicated to all parties** in real-time
5. Exceptions are offered to the user as **Smart Prescriptions**

Simultaneously improves demand accuracy, reduces supply variability, and eliminates all system and nonessential lead times.

The Secure Command and Control Tower



4 PROCESS ORCHESTRATION

- Internal collaboration
- External collaboration
- Dynamic process management
- Tunable system of control
- RPA – Robotic Process Automation

Disparate functions across the supply chain network work in harmony via workflow management & RPA capabilities.

3 AUTONOMOUS, PRESCRIPTIVE, SELF-LEARNING

- Descriptive analytics
- Predictive analytics
- Prescriptive analytics
- Scenario management (What if?)

Information is monitored and analyzed; Prescriptive with full execution, autonomous optimization and auto execution. Sandbox assists with IBP and What if

2 REAL-TIME VISIBILITY

- Real-time visibility among all partners
- Dashboard
- Alert generation
- Exception management

Information across multiple systems and processes is shared at the right time to assist alerts and exception management.

1 DATA CONSOLIDATION

- One single source of truth
- All apps use the same data pool
- All enterprises on same SVOT

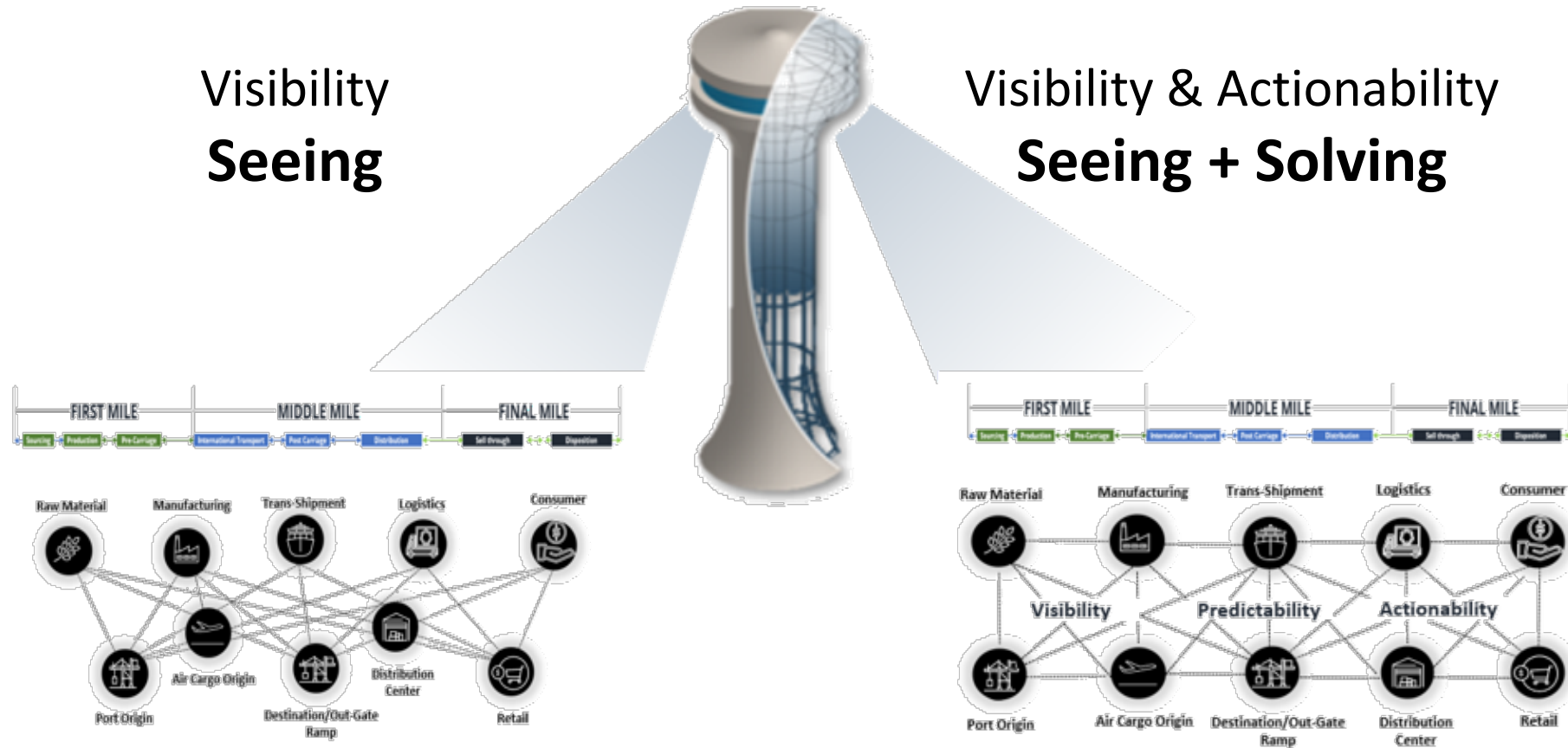
A real-time, single version of the truth enables fast, accurate decision making, eliminates time lags, and eliminates errors

Many times, we have a network data problem where **intelligent visibility combined with actionability** is needed for greater supply chain flow

IMPROVE OPPORTUNITY

Visibility
Seeing

Visibility & Actionability
Seeing + Solving



5 Takeaways on the AI-Driven Digital Supply Chain Network™

1. Replace traditional enterprise systems with autonomous, prescriptive and self-learning, for enhanced service levels and improved efficiency
2. ONE places the 'Control' back in Control Tower by providing real-time visibility and a system of execution
3. AI-Powered Planning is married to execution, using multi-tiered network-wide data and autonomous learning algorithms
4. 15 years of U.S. DoD experience supporting system modernization and enhancements to save lives
5. Networks of suppliers/vendors support sustainment, MRO, and manufacturing

AI-Driven Digital Supply Chain Network™ Example

- DATA SECURITY**
- Shared
 - Anonymized
 - Masked
 - Blocked

Joint and Combined Global Digital Supply Chain Network™

The Network integrates the entire industrial base, including the User, Manufacturer, Supplier, and Carrier with full master data management capability and digitized records. It is both supply and transportation agnostic, a simultaneous forecasting, planning, and execution capability, and finance/auditability built-into the Network. It is compatible for any Service and any country.

The Network provides secure communication that allows users, in any location and in any environment, to maintain complete, multi-modal end-to-end visibility, in multiple languages, throughout the entire supply chain.
“One Single Version of the Truth” in real-time.

What They Are Saying



The investments and developments ONE continues to make to their NEO platform...are enabling organizations globally to adapt and stay competitive and profitable in spite of market disruptions.”

Isaac Gould
Lead Analyst
Nucleus Research

Such a high status within the first year of the program is a tremendous testament to the integration of our teams, and the power and strength of One Network’s NEO Platform and SDK.”

Debora Sharp
FLITES Program Manager
United States Air Force

Over the past year, the [FLITES] team has implemented automation to iteratively mature to a full DevSecOps approach and are continuing to mature that automation. They are an excellent example of how applying agile processes works to help a team on a large application achieve major milestones in small increments.”

Herbert Hunter Jr.
AFLCMC/HIS Division Chief
United States Air Force



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one

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Questions

www.onenetwork.com

One Network Enterprises™ POCs:

David Stephens, dstephens@onenetwork.com

Michael Bruens, mbruens@onenetwork.com

David Collado, dcollado@onenetwork.com

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