One Network Enterprises™

Intelligent Control Tower for Defense

Plan, execute, optimize, and automate across all functions and tiers

Many organizations, including the US Department of Defense, have adopted data analytics platforms to gain more visibility across their enterprises. These platforms ingest data from disparate IT systems and provide analytics tools to create models to help predict and make decisions. They have, to a large degree, improved their situational awareness and provided new ways of analyzing and making decisions. These are expensive undertakings given the types of platforms they have chosen and require.

CHALLENGES WITH DATA ANALYTICS PLATFORMS

However, there are several shortcomings with this approach, including:

1. Visibility Only. These data analytic platforms masquerading as "Control Towers" are not integrated or connected with the systems of record (SOR) or legacy systems that are controlling their part of the overall enterprise. That means the data feeds are one way, for visibility only. There is no actionability available, and the responses to problems are either done via "swivel chair", or "pick up the phone" and ask someone to make a change or take certain action. Auditability is lost.

2. Stale Data. Data is typically fed (and received) at set times throughout a business day. By the time any analysis is done, the data is usually stale, so any actions that are taken are going to be based on old data, and be suboptimal, as the situation has likely changed.

3. No Control. Many organizations are using a data analytics platform and calling it a Control Tower. The term "Control Tower" is a compound term, with "Tower" implying visibility and "Control" implying actionability. There is no actionability with this approach other than swivel chair or manual intervention by someone. There is no master data management across systems (particularly from outside the enterprise) and no way to control any business process that would lead to successful execution.

4. Costly. These data analytics platform approaches are manually intensive and very expensive. This is evident due to the amount of money that is being spent with DoD integrators, and the number of contractor staff who provide and support this capability. (The same thing can be said about many Supply Chain Risk Management approaches.)

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5. Not Multi-Tier. Defense is a multi-tier, multi-party environment and it takes solutions that recognize and can operate simultaneously in all environments. Commercial solutions, including ERPs, struggle to deal with this reality.

In short, Defense requires both visibility and actionability across the multiple tiers of operation. That is, it requires a true logistics command and control platform, one with a real time single version of the truth. It requires advanced analytics with prescriptive and executable solutions, that are honed through continuously learning, and that can be quickly executed within the same platform across these massive enterprises.

LOGISTICS COMMAND AND CONTROL (LC2) FOR DEFENSE: PLAN, OPTIMIZE, EMPLOY, PIVOT

ONE's Intelligent Control Tower for Defense provides integrated planning and execution, aided by NEO Assistant, ONE's supply chain AI assistant. It helps plan, optimize, execute, and automate operations across service and functional silos and mission partners. It works across all tiers of operation, leveraging the entire Digital Supply Chain Network™. This approach includes:

The ability to execute what you analyze and plan. Through a rich orchestration integration capability, all actions are propagated bi-directionally throughout the network. This eliminates manual interventions and swivel chair activities and uses current data in real time, eliminating problems stemming from stale data.

Multiple levels of intelligent planning from Live Chain™ (real time/real data with ability to react mid-cycle) to

Scenario Chains™ (what-ifs) to determine best approach. Full collaboration suite enables participation from all mission partners at all military levels and tiers.

Each tier of operation has its own Intelligent Control Tower, getting information relevant to them along with how they are performing. Visibility and actionability exists at each level.

Provides military leaders with clear and concise actionable results, with an intuitive yet secure interface to coordinate, communicate, and execute on those results.

Full suite of network-based AI/ML capabilities such as supply-demand matching, automatic replenishment, and more.

Full digital twin of the logistics chain, enhancing supply chain risk management analyses.

Use AI to learn and make decisions. Bring Your Own Intelligence (BYOI) to leverage your own models and enhance implementation outcomes.

Use in conjunction with One Network's NEO for Global Defense, or use it within an organization to gain broader visibility and introduce optimized execution capabilities within your current ecosystem, to enhance your agility, effectiveness, and resilience.

With real-time transaction data combined with new technologies such as artificial intelligence, the Intelligent Control Tower for Defense delivers unmatched value and improved mission success.

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

Supply chain
reimagined

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