



Defense Logistics Innovations Forum

August 17th, 2023

Time: 12:00-13:30 ET

PRESENTERS:

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Defense Logistics Innovations Forum

PRESENTATION GOALS

Defense Logistics Innovations Forum GOALS

The Defense Logistics Innovation Forum (DLIF) is established to foster collaboration, innovation, and problem-solving in the field of defense logistics. The forum serves as a platform for sharing knowledge, identifying emerging technologies and trends, and developing solutions to improve logistics operations across the NAVY and the wider defense community. facilitate collaboration and coordination, enhance knowledge management, facilitate senior-level decision-making, and support Action Officers in DoD with better tools for research and planning connected with their missions.

This Forum introduces cross-level revolutionary contested logistics technologies that impact present and future operational concepts and capabilities for the Joint Commanders and Interagency leaders across the spectrum of conflict. Marcantonio scouts, identifies, evaluates, and delivers technologies from around the globe that can

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create both direct and indirect military applications to enhance the security and capabilities of the warfighter for the benefit of the United States of America. The objectives of the Navsea DLIF are as follows:

- a. Drive collaboration: Facilitate collaboration among NAVY personnel, industry partners, academia, and other government agencies to address logistics challenges and enhance operational effectiveness.
- b. Foster innovation: Encourage the exploration and adoption of innovative technologies, processes, and practices to optimize logistics operations and improve efficiency.
- c. Identify emerging trends: Identify emerging trends and disruptive technologies in the logistics domain and evaluate their potential application within Navsea and the defense community.
- d. Develop solutions: Engage in joint problem-solving efforts to develop innovative solutions that address supply chain challenges, reduce costs, and improve mission readiness.
- e. Promote best practices: Share best practices, lessons learned, and success stories related to logistics operations and encourage their adoption across Navsea and the wider defense community.



Defense Logistics Innovations Forum

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Defense Logistics Innovations Forum PRESENTATION BRIEF 1

Ret. DLA Commander Acosta: Adapting Logistics and Supply Chains for the Digital Battlefield

Software Warfare: Adapting Logistics and Supply Chains for the Digital Battlefield

In the rapidly evolving landscape of digital warfare, it's imperative that we revolutionize our approach to logistics and supply chains. As we navigate the convergence of digital environments, critical sensor technology, machine learning, and the challenges posed by physical distance, we must adopt a new paradigm. Our success hinges on integrating predictive analytics, adaptive manufacturing, and secure cyber practices into our logistics architecture.

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- 1. Collaborative Industrialization 4.0:** Drawing inspiration from the WWII military-industrial complex, today's battles are fought in the digital realm. Government, businesses, and innovators must forge symbiotic relationships to ensure end-to-end production and validation of our digital supply chain. Just as the past required unity, this new warfare demands cooperation for innovation and resilience.
- 2. The Digital Supply Chain Evolution:** Our journey to an intelligent supply chain is paramount. Simplifying contract management, comprehensive analytics on suppliers and vendors, transitioning from linear to network-based supply chains, and fortifying supply re-shoring resiliency are essential steps. Moreover, embracing the concept of digital supply chain control towers empowers us to respond nimbly to shifting demands.
- 3. Data: The New Ammunition:** Data and intellectual property (IP) are the currency of this era. Victories will be determined by who possesses and safeguards these assets. In this virtual and satellite battleground, the need for robust electronic governance and protection mechanisms cannot be overstated. Agility and predictive capabilities are the keys to staying ahead in the face of evolving vulnerabilities.

As we gear up for this software-centric warfare, adapting our logistics and supply chains to the demands of the digital battlefield becomes our overarching mission. We're moving beyond traditional practices, integrating cutting-edge technologies, and forging collaborative partnerships. The result will be a more predictive, agile, and secure force that excels in the new era of warfare.

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Defense Logistics Innovations Forum Presentation #2 Vantiq

Vantiq's Solution Capabilities for Defense Logistics Innovations

In the ever-evolving landscape of modern warfare, the role of software has become paramount. As we navigate the digital era, revalidating our logistics architecture becomes imperative. This presentation, framed with the mantra of being predictive, faster, accurate, and flexible while ensuring protective cybersecurity measures, sets out to underscore Vantiq's Solution Capabilities for Defense Logistics Innovations. The focus begins with Vantiq's dedication to Industrialization 4.0 Collaboration, echoing the collaborative spirit between government, businesses, and innovators, akin to the military-industrial complex of the past. This collaboration manifests in the cradle-to-grave production and revalidation of the digital supply chain, fostering a robust and adaptive ecosystem.

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Defense Logistics Innovations Presentation #2 Vantiq

Moving further, Vantiq's keen emphasis on Digital Supply Chain Transformation unfolds, offering an intelligent supply chain framework. This encompasses simplified contract management, comprehensive analytics tracking of suppliers and vendors, and a shift from traditional linear approaches to a dynamic supply chain network system. With data centrality and IP development at its core, Vantiq underscores data as the new ammunition, advocating for predictive and agile data management in virtual and satellite space. The presentation then delves into Vantiq's Solution Capabilities, including peer-to-peer communication among drones, computer vision-based world mapping, and real-time monitoring and analysis. By harnessing peer-to-peer communication for efficient data exchange among drones and consolidating their insights through computer vision and world mapping, Vantiq empowers real-time threat detection and collective data-driven decision-making.

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Defense Logistics Innovations Presentation #2

The benefits and applications of Vantiq's solution come into focus, highlighting increased operational efficiency, improved predictive analytics for anticipatory supply chain management, and fortified security measures. Case studies and success stories demonstrate the tangible impact of Vantiq's innovation in defense logistics and related industries. As the presentation concludes, the call to embrace software innovations, collaborate for future advancements, and seize the potential of Vantiq's solution capabilities resonates strongly, reinforcing the transformative power of cutting-edge technologies in defense logistics.

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Defense Logistics Innovations

Presentation #3

Seclytics

SecLytics is the leader in Predictive Detection and Response. The company's SaaS-based Augur platform leverages behavioral profiling and machine learning to hunt down cybercriminals in the wild - predicting and automatically blocking attack infrastructure at the build up stage.

Saeed Bio: Saeed is one of the leading thinkers on the intersection between machine learning and cybersecurity. Prior to founding SecLytics, he held the position of Distinguished Scientist at PayPal. Before that, he was Senior Scientist at Damballa and a Security Researcher at Websense. He holds a Ph.D. from Southern Methodist University and a Postdoc from Carnegie Mellon. Saeed has co-authored more than 19 papers and books on the applications of machine learning to cybersecurity



OSD(P) DTIP DTIP Future Innovations Forum *PRESENTATION AGENDA*

THE AGENDA FOR THE TELECONFERENCE

Introduction and Attendee Check-In	5 MIN
Opening Remarks NAVSEA, Mr. Moretto DLIF, Marcantonio Global Mr. Nino Marcantonio	5 MIN
Presentation 1: Ret. Commander Acosta, Contested Logistics	15 MIN
Questions & Discussion	5 MIN
Presentation 2: Mr. Jim Rice, Vantiq, VP North America	30 MIN
Questions & Discussion	10 min
Presentation 3: Mr. Saheed, CEO Seclytics	30 min
Questions & Discussion	10 min
Closing Remarks:	5 MIN

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Looking Ahead to Sept/October 1200 to 1330 ET

Presentations:

- 1. MITRE**
- 2. AMERICAN INTEGRATED CIRCUITS**
- 3. FIELD PROPULSION TECHNOLOGIES**
- 4. JADO LLC**

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