

# Cybersecurity for Advanced Manufacturing and Critical Infrastructure

written by Lauri Moon | January 3, 2023

Digitalization has opened a new world of opportunity for traditional operational technologies. However, along with those opportunities come risks with the ever-evolving threat landscape.

The modern threat landscape is complex and vast, with over 9 billion permutations if you look the techniques, tactics, and playbooks (TTP). Therefore, it is absolutely critical that companies maintain line of sight on these risks, and more importantly, that they are addressed so that digitalization can be comfortably and safely deployed in areas like advanced manufacturing and critical infrastructure.

The way IT/OT is integrated, and the security that protects it, continues to evolve. Companies are navigating historically and fundamentally different sets of systems - the physical/OT and the virtual/IT - and the point at which they meet. Joining these systems can introduce vulnerabilities that may not have previously existed on each 'side.'

Join us on December 13 to discuss cybersecurity for the evolving technology landscape. Sahil Diwan, Siemens Advanta cyber practice lead, and Dennis Gilbert, Founder & CEO, Vector9 Consultants will discuss how to best approach cybersecurity for today's technology integrations and tomorrow's advancements.

## **Topics will include:**

- The cultural difference between IT and OT, and the evolving threat/risk environment
- Different approaches in the market to address the threat landscape, specifically what works and what does not
- OT Risk Programs and Focus Topics: Asset network deployment and management, supplier management, vulnerability management, and

privileged user management

- Regulatory landscape evolution for critical infrastructure and industrial/goods manufacturing verticals

## Speakers



### **Dennis P. Gilbert, Jr, Founder and CEO, Vector9 Consultants, LLC**

Dennis P. Gilbert, Jr. has 35 years of leadership experience in cybersecurity, technology, strategic planning and risk management across both the private and public sectors. He is the Founder and CEO of Vector9 Consultants, LLC, a Veteran-Owned Small Business (VOSB) that provides strategic cybersecurity guidance for critical infrastructure entities at greatest risk. To stay a step ahead of cyber threats, Vector9 assists entities with innovative solutions to prioritize and protect key IT and Operational Technology (OT) assets, create and execute sophisticated risk management strategies, and develop cyber talent. He is also serving on multiple boards for a variety of small and large cybersecurity-focused businesses.

Between 2014 and 2022, Dennis was the Vice President and Chief Information Security Officer (CISO) for the two largest energy/utility companies in the U.S. (Duke Energy (Fortune #126) and Exelon Corporation (Fortune #92)). Prior to these two CISO roles, he served as the Senior Advisor for Cybersecurity to the Department of Defense's Chief Information Officer. In 2005, Dennis retired from the USAF, where he held key leadership positions in national-priority programs in cybersecurity, information warfare, satellite communications, and electronic warfare. Dennis received a master's degree in systems management from the Viterbi School of Engineering at the University of Southern California, and a bachelor's degree in management information systems from Louisiana Tech University.



**Sahil Diwan, Advanta's Strategic Cybersecurity Consulting,  
Siemens Advanta**

Sahil Diwan is the lead for Siemens Advanta's strategic cybersecurity consulting practice in North America. Sahil has a wide range of responsibilities at Advanta including steering the development of Advanta's cyber consulting portfolio, managing delivery of large client security transformations, and serving as a sparring partner for our clients' executives

Sahil has led multiple engagements across different verticals including both manufacturing and critical infrastructure. Sahil specializes in large program transformation through the means of enterprise (including OT) wide program benchmarking and cohesive program design beyond just the technology implementation. Sahil also sits as an advisor to Siemens cyber leadership when it comes to staying ahead of the market conditions and threat landscape.

Prior to Siemens Advanta, Sahil led the digital strategy and service deployment for a Siemens operating company, multiple startups. Sahil has a masters and bachelors degree in Mechanical Engineering and in his free time likes to read and travel with his wife.

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