

DRAGOS and DREAMPORT Providing a Realistic Cyber Test Environment for Defenders

HIGHLIGHTS

- DreamPort is a cyber innovation, collaboration, and prototyping facility located in Columbia, MD.
- The facility comprises an ICS test environment containing real world technology for the purposes of testing and training.
- Dragos Platform technology is available to defenders supporting federal manufacturing for prototyping and evaluation.
- Dragos provides decades of experience for creating realistic test scenarios and supporting educational efforts

THE CHALLENGE

Manufacturing facilities that serve federal organizations are a potential supply chain attack vector that could have significant consequences. These same federal entities have many restrictions on getting access to new technology and training.

To help address this obstacle, DreamPort serves as an interconnection point between the public and private sector to improve defense across the federal manufacturing space. As part of DreamPort’s mission to develop a state-of-the-art facility for innovation programs, they recognize the value of using the Dragos Platform, testing equipment, and knowledge to establish a genuinely innovative cyber development environment.

Designed as an open facility, DreamPort welcomes the public to tour, collaborate, and prototype in support of federal agencies and their partners. Daily, monthly, and quarterly collaboration events are offered to advance cyber innovation, collaboration, and prototyping at the facility located in Columbia, MD. Through a Partnership Intermediary Agreement with the Maryland Innovation and Security Institute (MISI) in 2018, DreamPort’s purpose is to be an intermediary to assist, counsel, advise, evaluate, or otherwise cooperates with small business firms, institutions of higher education, or educational institutions that need or can make demonstrably productive use of technology-related assistance.

THE SOLUTION

The Dragos mission, to safeguard civilization from those trying to disrupt our industrial infrastructure, is closely aligned with Dreamport. Dragos recognized the importance of helping advance the needs of the broader cyber community by working with DreamPort to provide the best tools and expertise available for the development and protection of more secure Industrial Control Systems (ICS).

As a contributor to DreamPort, Dragos supports the mission to create a marketplace for promoting solutions and vetted expertise to the DoD industrial base that needs services and solutions to support their compliance efforts and increase their cyber resilience.

Additional areas where Dragos helps DreamPort include:

1. Assisting the development of cyber project rooms and laboratories to provide efficient, shared labs, hardware, and software resources that allow individuals and companies to rapidly prototype, test, and integrate their ideas, technologies, and products resulting in new innovative solutions.
2. Creating and deploying cyber ranges and test networks that are used as virtual and mobile ranges to test cyber solutions in a safe, heterogeneous environment of computers, routers, embedded devices, and more. Sharing Dragos knowledge and experience about the growing threat, the need for any improvements in cyber resilience in the defense industrial base, and why relying on “air-gapped” networks do not provide any sort of full proof protection.
3. Participate in industry events on best practices, why cyber resilience matters and why ICS technology cannot be protected using IT techniques and practices. Dragos aims to help DreamPort make their infrastructure events more impactful by contributing the exploits and experience of the Dragos team to increase the level of understanding for participants.



BENEFITS AND IMPACTS

Benefits	Impacts
Easier Access to Technology for Testing and Prototyping	Enables federal defenders with ready access to new technology in a simulated environment for evaluation and educational purposes.
Realistic Testing & Prototyping Scenarios	The Dragos professional services team provides real-world experience to help provide realistic test scenarios for Federal teams utilizing the facility.
Enhanced Training and Awareness	The Dragos team will share experience to provide and assist various training initiatives conducted at the Dreamport facility to help build community readiness.

For more information, please visit www.dragos.com or contact us at info@dragos.com