

CyberStrike NEMESIS



Practical training for energy sector owners and operators

The CyberStrike NEMESIS training workshop builds upon lessons learned in the CyberStrike LIGHTS OUT workshop by offering an in-depth look at the tactics, techniques, and procedures used by the most sophisticated cyber adversary groups targeting industrial control systems today.

This workshop is offered as an in-person event. Participants are guided through a series of hands-on exercises that challenge them to defend against some of these TTPs used by skilled adversaries.

The NEMESIS workshop is designed to adapt and change as new incidents are uncovered or as new ICS-specific threats emerge, keeping the workshop content as current and helpful as possible.

Cyber Threat Activity Groups include:

- Xenotime
- Sandworm
- Dymalloy
- Magnallium
- RedEcho

Target Audience

This CyberStrike training is tailored to energy sector owner and operator staff who work in the following areas:



Control room operation



Technology personnel



Critical infrastructure protection



Focused technical staff



Energy Management System (EMS) support



Operating personnel



Cybersecurity staff

Hands-on Exercises

The CyberStrike NEMESIS training features live exercises using real equipment and scenarios routinely experienced by utility owners and operators:

- HMI Breakout
- Ladder Logic
- Denial-of-Service
- Credential Harvesting
- Data Exfiltration
- Malware Detection
- Ransomware

Tools Used During Workshop

- Kali Linux
- QModMaster
- hping3
- Sysinternals
- Metasploit
- Yara
- CMT Viewer
- Python
- Wireshark
- PfSense Router
- Do-more Simulator



Continuing Education Units

CyberStrike is accredited to issue IACET Continuing Education Units (CEU). Trainees will be granted 0.7 CEU upon completion of the NEMESIS training.

For an overview of the CyberStrike portfolio of training workshops, please see the following fact sheet: [CYBERSTRIKE Overview FactSheet](#)



For More Information

Visit www.inl.gov/cyberstrike

To schedule a training, contact cyberstrike@inl.gov



WATCH A VIDEO

youtube.com/watch?v=ZvMf5eHg89s

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