

Information Brief

# Gartner Recognizes Blue Ridge Networks, Inc. for Technical Innovations in Automated Moving Target Defense

Automated Moving Target Defense (AMTD) requires nimble protection for cyber physical systems, and that's exactly what Blue Ridge Networks' CyberCloak™ capabilities bring.





## What Is AMTD?

Simply put, AMTD is a relatively new security measure that uses technology to protect critical physical systems from attacks by continuously altering their environment. This makes them difficult to identify and target. AMTD measures have proven successful in protecting data and networks from malicious infiltrators.

In their September 12, 2023 report entitled "Emerging Tech: Automated Moving Target Defense Can Secure Cyber-Physical Systems," Gartner recognized Blue Ridge Networks as a stand-out technical innovator in the AMTD realm.



## AMTD SUCCESS

Achieving effective AMTD requires the use of a range of technologies, such as deception technology, access control, encryption, network segmentation and monitoring systems. Each of these components must be carefully integrated in order to maximize security while simultaneously minimizing performance impacts on the system.

The obfuscation of data and networks is a key component of AMTD, as it helps to hide exposed network vulnerabilities from hackers. By hiding these weaknesses, the likelihood of successful attacks is greatly reduced. This approach is also beneficial in terms of data privacy; by obscuring the internal structure and content of networks, access to sensitive information or resources can be restricted to authorized personnel only.

## Achieve AMTD with LinkGuard CyberCloak Capabilities



- **CONCEAL Exposed Infrastructures & Legacy Systems**

Hide critical assets to create more resilient environments

- **PREVENT Identification of Exposed Vulnerabilities**

Ensure all data is uncompromised and remains confidential.

- **PROTECT Operational Technology (OT) Networks**

Overlay capability protects even legacy systems to ensure continuous operations.

- **CONTAIN & OBFUSCATE Across Different Environments**

Isolate, Conceal, Encrypt, Authenticate



**“We will defend forward, disrupting and degrading malicious cyber actors’ capabilities and supporting ecosystems.”**

*- U.S. Department of Defense | 2023 Cyber Strategy*

Automated Moving Target Defense is an important development in the field of cyber security. It comprises a range of technologies that must work in tandem to protect data and networks from malicious attacks. By implementing robust AMTD methods, organizations can ensure the protection of their critical physical systems while also safeguarding sensitive information through obfuscation and access control. Through these measures, companies can remain secure in the digital age and reduce the risk of devastating cyber-attacks.

It is paramount for organizations to actively develop their AMTD strategies by staying abreast of new developments within the field and regularly testing their existing security protocols. In this way, they can ensure that their systems are secure against increasingly sophisticated forms of malicious intrusion. By taking appropriate measures with AMTD, companies can protect their networks and data from unauthorized access while simultaneously preserving the integrity of their critical infrastructures.

## LinkGuard Enables CyberCloak Capabilities to Protect Critical Assets and Sensitive Data

LinkGuard CyberCloak capabilities leverage network obfuscation, cryptographic transport, multifactor authentication, and infrastructure segmentation, delivering cyber resilience against threats and risks to your organization’s most vital operations, data, and systems.

**ISOLATE**

Segmentation limits scope of a security breach and risk of unauthorized access to sensitive data.

**CONCEAL**

Hide critical assets to create more resilient environments.

**ENCRYPT**

Ensure that data transmitted across unknown or hostile networks is uncompromised and remains confidential.

**AUTHENTICATE**

Add an extra layer of security to networks and devices, making it harder for attackers to gain unauthorized access.

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## About Us

Blue Ridge Networks is a proven and trusted provider of cybersecurity breach prevention solutions. **Our mission is to provide proactive protection of critical infrastructure that eliminates the adverse impacts associated with reactive responses to compromises.**

Our unique CyberCloak capabilities secure critical assets and operations in zero-trust IT/OT network architectures. Regulated, Commercial, and Industrial organizations have trusted Blue Ridge Networks for over 20 years to prevent exploits and receive continuous returns on their investments while achieving uninterrupted operational efficiency.



1-800-704-5234

[sales@blueridgenetworks.com](mailto:sales@blueridgenetworks.com)

[BlueRidgeNetworks.com](https://www.BluRidgeNetworks.com)

