Greymatter.io

Zero Trust Networking Made Mission Ready

Common Use Cases in Securing Service Orchestration for Government and Intelligence Agencies

From A to ZTN: Covered from Cloud to Edge

In today's rapidly evolving threat landscape, network, security, and IT teams face mounting pressure to implement robust Zero Trust Networking (ZTN) across diverse and dynamic environments. Nowhere is this more apparent than within the United States. In fact, the U.S. federal government has committed to implementing Zero Trust architecture across all civilian agencies over a three year time frame, as outlined in the Office of Management and Budget strategy.[1] Despite the mandate, many organizations are struggling to implement ZTN. This is due to lack of skills and technology to properly protect the organization.

Greymatter.io's platform revolutionizes service orchestration by seamlessly integrating ZTN best practices. Our expertise in government and intelligence sectors allows us to offer a solution that addresses the unique challenges faced by these organizations. Let's explore common use cases to illustrate how Greymatter.io tackles ZTN challenges.

ZTN Use Cases Covered

03 Harnessing Zero Trust

04 Transform Defense

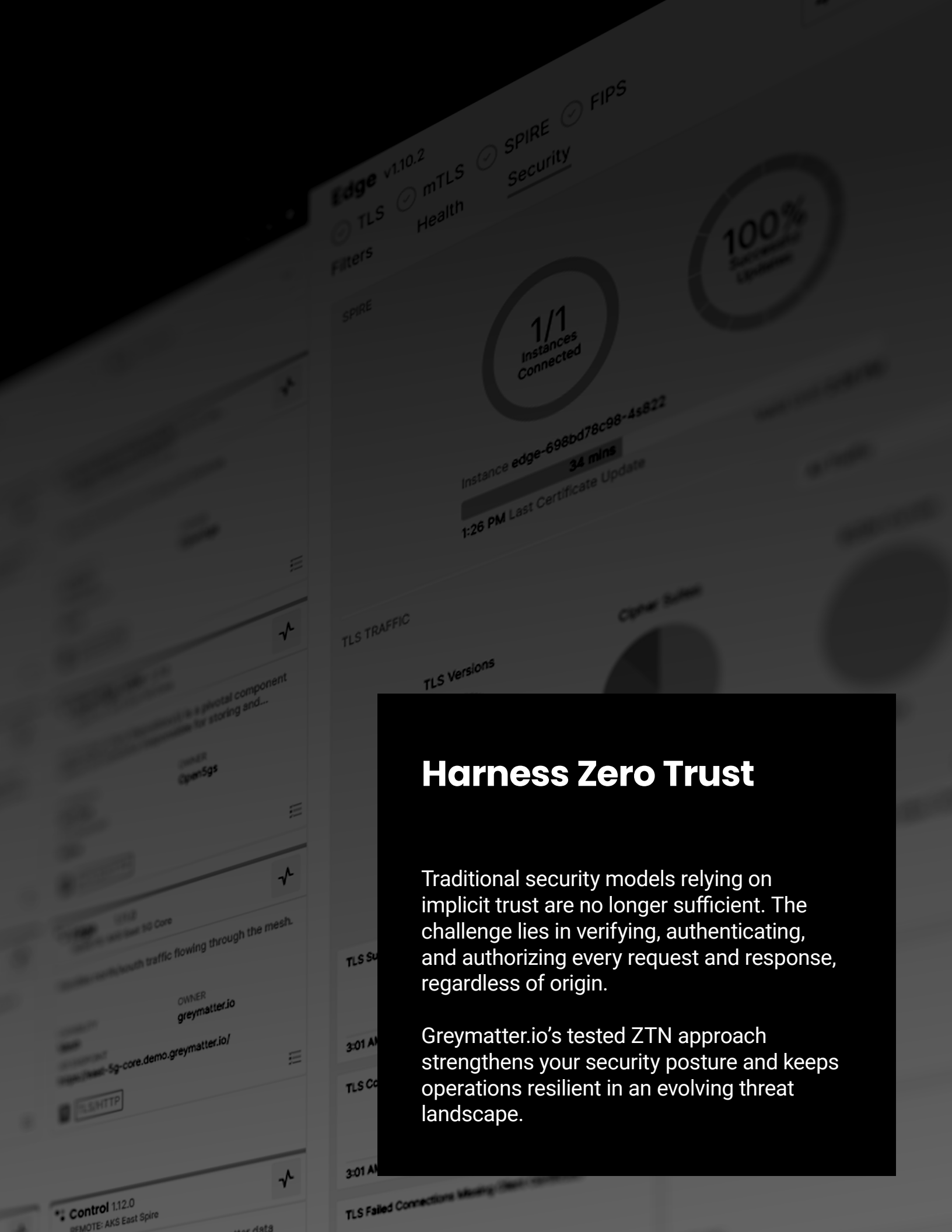
05 Achieving Stringent Protocols

06 Surpassing Strict Standards

07 Automate Secure Connectivity

08 Orchestrating Security Playbooks

1 - https://www.securityweek.com/white-house-publishes-federal-zero-trust-strategy/



Harness Zero Trust

Traditional security models relying on implicit trust are no longer sufficient. The challenge lies in verifying, authenticating, and authorizing every request and response, regardless of origin.

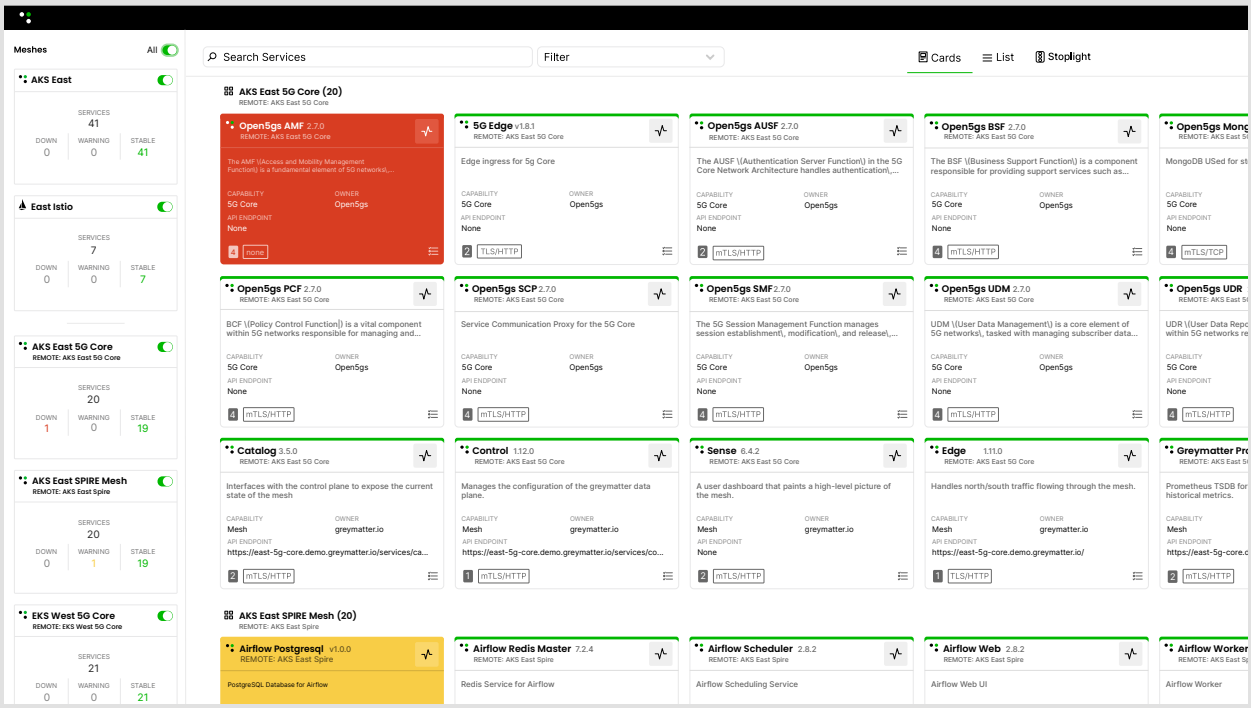
Greymatter.io's tested ZTN approach strengthens your security posture and keeps operations resilient in an evolving threat landscape.

Transform Defense

Challenge
Without a robust ZTN platform, operations risk exposure to security breaches, compromised data, and to operational disruptions. In contrast, organizations that implemented ZTN saw an 80% reduction in successful cyber attacks by minimizing their attack surface, according to a survey by Microsoft. [1]

Advantage
Greymatter automates continuous verification and policy enforcement, removing implicit trust across your network.

With Greymatter playbooks, your network becomes a fortified ecosystem, providing robust protection and future-proof security in complex hybrid and multicloud environments.

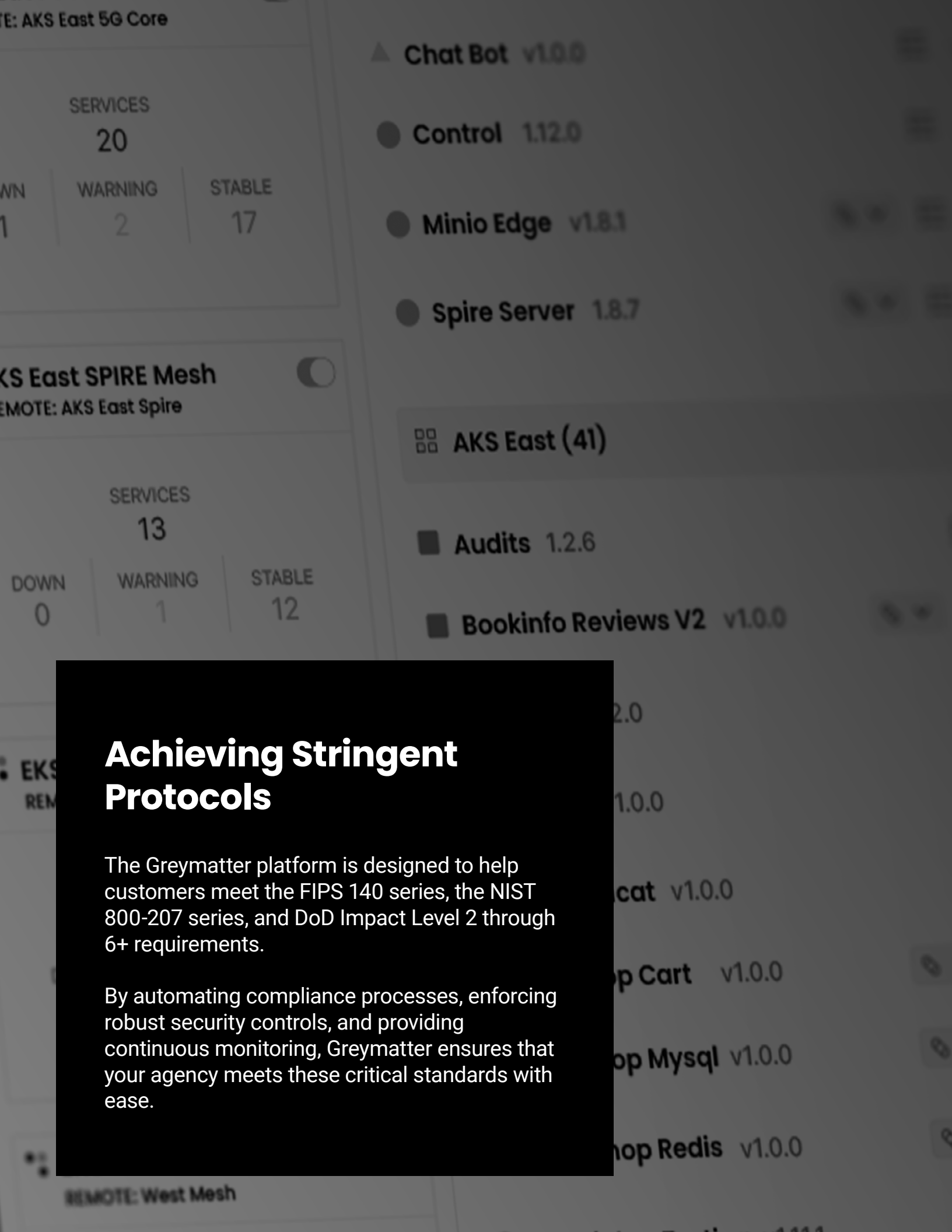


1. **Granular Insights:** The platform provides real-time visibility into service security usage, enabling precise traffic monitoring, essential for enforcing ZTN.

2. **Zero Trust Automation:** Greymatter empowers centralized control and decentralized policy enforcement across all services, aligning with zero trust tenants for robust security.

3. **Fortified Security:** Greymatter strengthens your services with out of the box FIPS and NIST controls, safeguarding against evolving cyber threats.

1 - Zero Trust Adoption Report 2023 by Microsoft

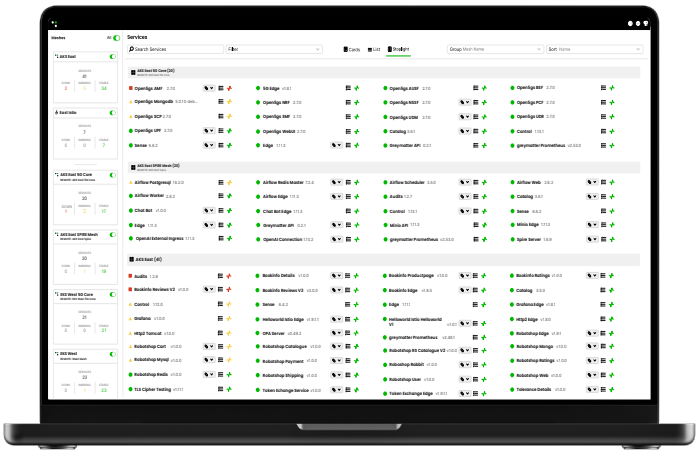


Achieving Stringent Protocols

The Greymatter platform is designed to help customers meet the FIPS 140 series, the NIST 800-207 series, and DoD Impact Level 2 through 6+ requirements.

By automating compliance processes, enforcing robust security controls, and providing continuous monitoring, Greymatter ensures that your agency meets these critical standards with ease.

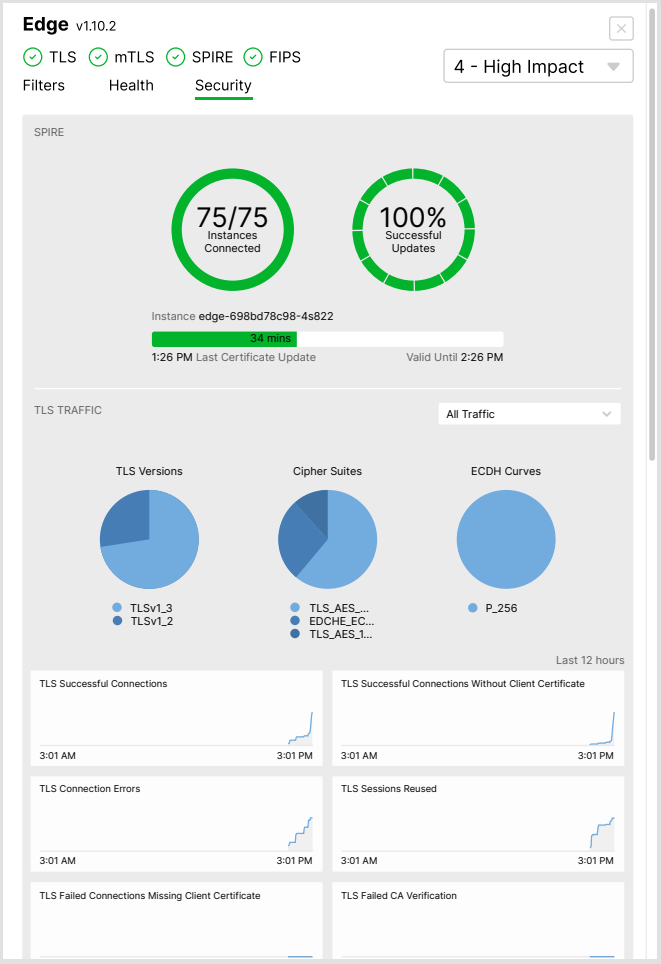
Surpassing Strict Standards



Challenge
Adhering to ever-evolving, complex standards is a constant challenge but mission critical. Failure to secure services can lead to devastating breaches, operational paralysis, and irreparable damage to trust and reputation.

Advantage
Greymatter.io enforces FIPS encryption and NIST Zero Trust across all connected services, applications, and APIs, creating a more secure, stable environment. Automated security enforcement reduces breaches by 35%.[2]

This approach strengthens security, reduces risk, and ensures regulatory compliance.

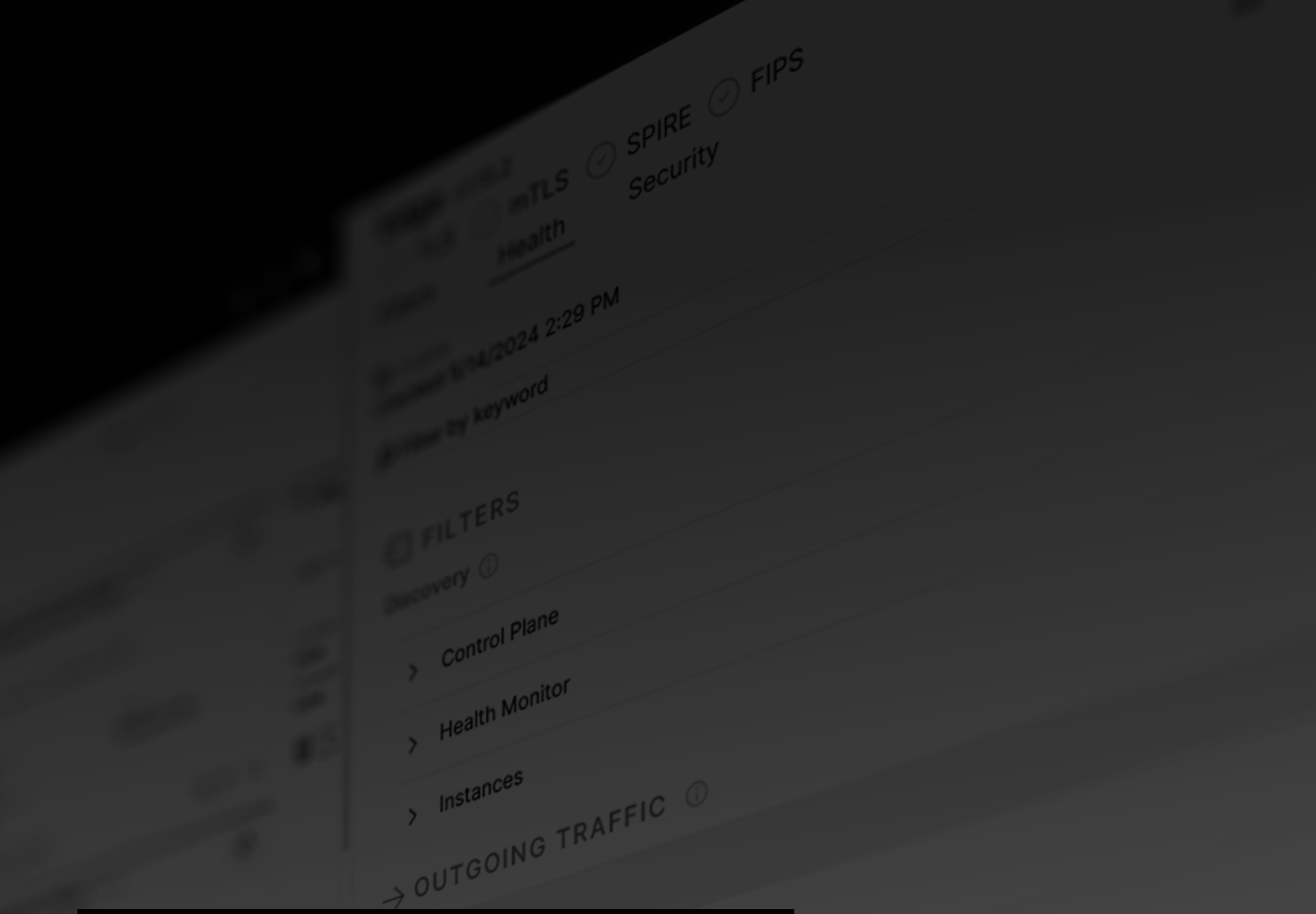


1. **Proactive Defense:** Offers instant upscaling to FIPS-enabled security protocols and cipher suites, ensuring security is seamless across all deployed services.

2. **Real-Time FIPS/NIST Visibility:** Provides visual indicators of security status, enabling teams to monitor connections, certificate validation, and user-level audits in real time.

3. **Automated Control:** Enforces security policies with real-time updates, applying zero trust principles and minimizing manual intervention to meet DoD Impact Levels 2-6+.

2 - Flexera State of the Cloud Report 2023



Automate Secure Connectivity

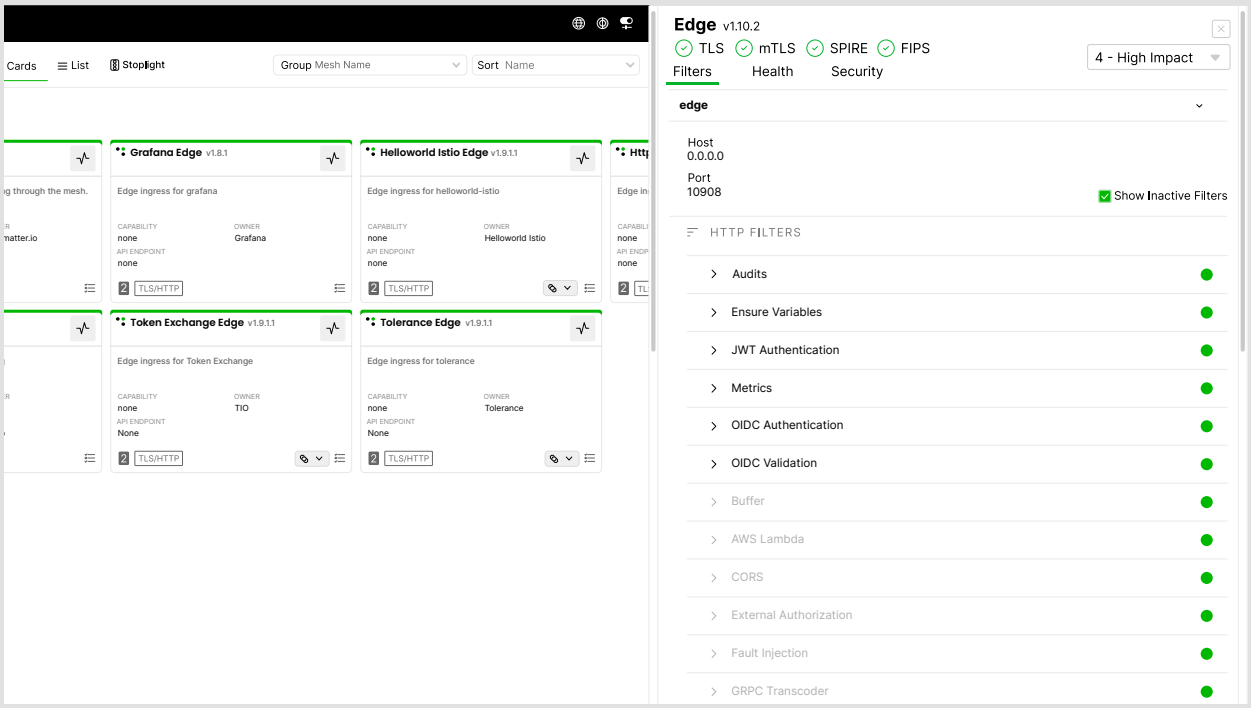
Automated secure certificates, enforcing mTLS, and adhering to the latest protocols are the cornerstone for secure connectivity.

Greymatter.io ensures that organizations maintain secure, compliant, and resilient connections at scale, without sacrificing operational efficiency or exposing vulnerabilities.

Orchestrating Security Playbooks

Challenge
Organizations must automate certificate management, secure service communications, and enforce dynamic policies to prevent downtime, breaches, and compliance failures. In fact, the absence of automation in policy enforcement can increase operational costs by as much as 20%. This is due to the manual oversight and response efforts required, according to a report by IDC. [3]

Advantage
Greymatter.io integrates certificate management, mTLS encryption, and dynamic policy enforcement into one cohesive solution. We provide government agencies and the intelligence community with unmatched automation and adaptive security, ensuring operational integrity and confident leadership in any environment.



1. **Automate Certificate Management:** Remove vulnerabilities with automated service certificate lifecycle management, preventing downtime and breaches.

2. **Multi-Layered Security:** Ensure the latest TLS, mTLS protocols and SPIFFE standards are enforced across traffic, ensuring secure communication between services.

3. **Scalable Management:** Manage service certificates and security policies at scale, ensuring consistent security even as workloads shift across environments.

3 - Future of Trust 2023 Report by IDC

Let Us Better the Connected World. Together.

A Leader in Zero Trust Networking
Greymatter is an enterprise-ready platform trusted by U.S. Defense and Intelligence organizations to enhance zero trust strategies for securing data, APIs, and applications.

Greymatter.io has quickly established itself as a prominent player for use cases in zero trust service connectivity.

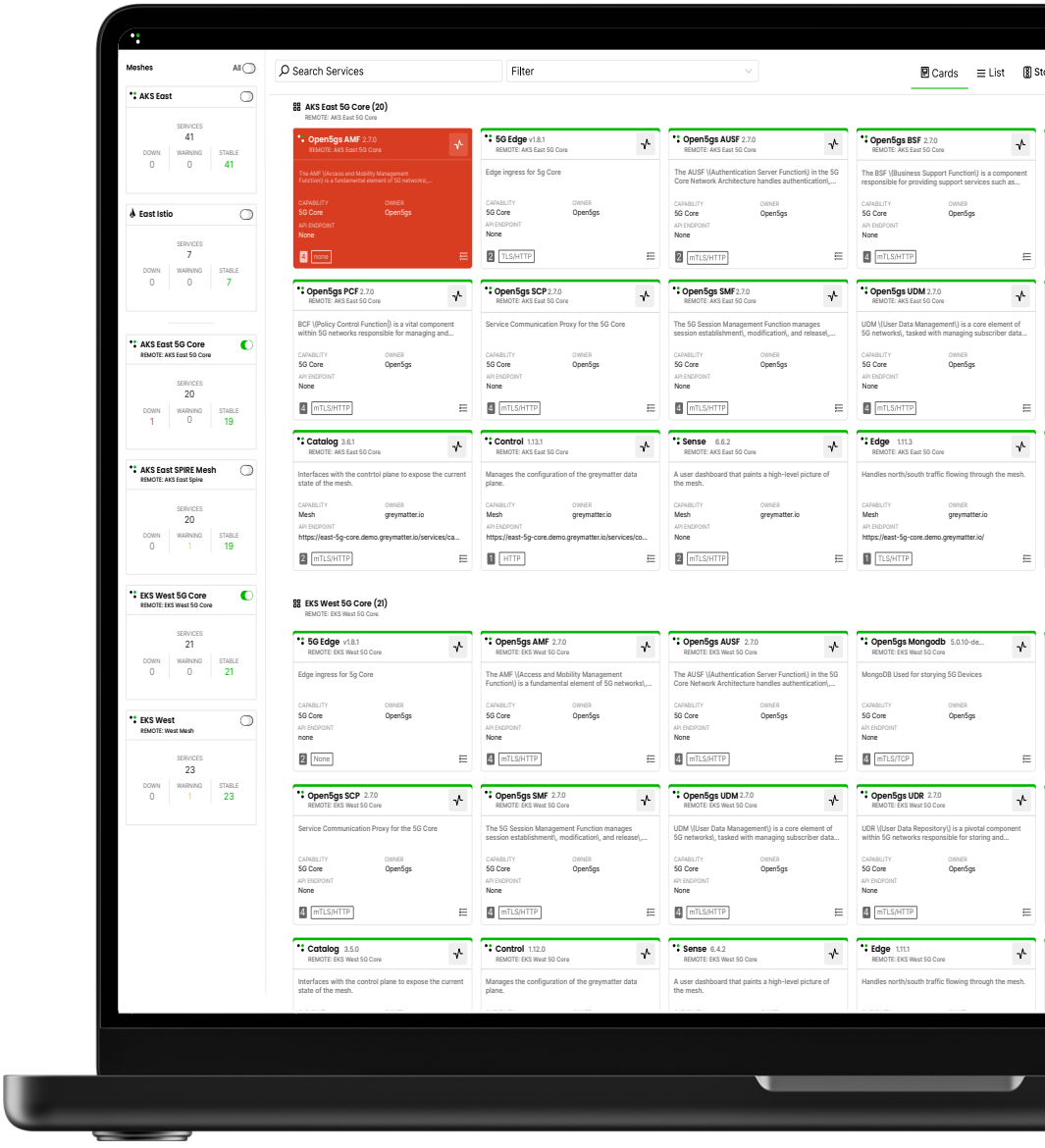
1. Certified for automated policy controls, minimal overhead, and enforcement of NIST 207 and FIPS 140 standards.
2. Named a leader and outperformer for 3 years in a row in the GigaOm Radar Report for Service Mesh, excelling in features, emerging capabilities, and secure enterprise management.
3. Awarded the 2024 PAAS Security Solution of the Year from CyberSecurity Breakthrough.
4. Recognized twice in Gartner's Hype Cycle Reports for both Enterprise Networking and Zero Trust Networking.

These recognitions, along with our experience and acumen cement Greymatter's status as a driving force in mission-critical zero trust service connectivity implementations.

GIGAOM RADAR REPORT LEADER 2024 SERVICE MESH

CYBERSECURITY BREAKTHROUGH AWARD 2024

Gartner®



Greymatter.io

Ready to take the next step?

Let's connect you with a Greymatter service connectivity expert.

Secure solutions through our website or through our partners, such as Carahsoft and the Tradewinds Solutions Marketplace

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