SYGNIA

RECOGNIZED BY Gartner FORRESTER

CYBER POSTURE ENHANCEMENT

“

Sygnia cuts through complexity to provide a prioritized, clear and strategic cyber roadmap for leadership”

CYBER POSTURE ENHANCEMENT

Sygnia’s extensive experience helping clients contain and remediate severe security breaches and improve their defenses, has shown that organizations can achieve significant, quick-win improvements to security posture, maximize the ROI of their existing security investment and simultaneously accelerate achievement of their longer-term strategic security objectives.

Sygnia’s posture enhancement service provides clients with a comprehensive understanding of their cyber resilience, and a detailed path forward to vastly reduce cyber risk.

A Fast Path To Knowing Your Organization’s True Cyber Posture

Sygnia’s posture enhancement service is designed to provide significant impact in just a few weeks, driven by an efficient, 3-step process.

Step One: Discovery

Step one starts with a review of both business and IT systems. The organization’s business context, organizational structure, critical assets and processes are understood. The technology environment is reviewed, including IT systems, network architecture, and the security stack. Hands-on adversary simulations are then applied to the network, replicating threat-actor tactics, techniques, and procedures. Embedded in Sygnia’s adversary simulations are the latest insights into threat-actor tactics from Sygnia’s Threat Research Group and Sygnia’s incident response teams. Security system misconfigurations, design flaws, and exploitable vulnerabilities are identified.

PROVEN BENEFITS

- **Achieve a comprehensive and holistic understanding of the organization’s resilience to cyber attacks**
- **Uncover and learn to remediate attack vectors that will likely be used against the organization in a real-life attack**
- **Receive a prioritized, pragmatic set of cyber enhancement initiatives**
- **Maximize the ROI of existing security investment**
- **Accelerate attainment of strategic and tactical corporate cyber objectives**
- **Vastly reduce breach risk and potential damage**

Step Two: Analysis

Step two is an analysis of the organization's capabilities in comparison to Sygnia's best-practices. We cherrypicked the best-practices in the industry from international standards such as NIST and ISO, and fused them with our extensive front-line experience.

To assess the organization's true capabilities, Sygnia develops high-impact attack scenarios that stress-test the ways adversaries could materialize their goals against the organization. We identify if and how the organization would prevent, detect, respond and recover from each scenario. The results are used to form an accurate and detailed picture of organization's current security posture, including security gaps, strengths, and opportunities for improvement.

01 Infrastructure and System Security

CATEGORY	STATUS
Infrastructure Management and Administration	
Patch Management	
Workstation Security	
Server Security	
Storage Infrastructure	
PaaS \ SaaS Security	
Virtualization	
Outsourced IT Administrative Privileged Access	
Helpdesk Practices	

02 Network Security

CATEGORY	STATUS
Secure Network Architecture	
Secure Management of Network Devices	
Remote Access: Site to Site	
Remote Access: Client to Site	
Remote Access: Terminal Emulation	
Mobile Device Management	
Network Access Control	
Wireless Security	
Secure Internet Browsing	

03 Application and Services Security

CATEGORY	STATUS
Email Services	
Application Management and S-SDLC	
Business Critical Application	
Customer Support Practices	

04 Identity and Access Management

CATEGORY	STATUS
Secure Privileged Identity	
Privileged Access Management	
Identity Lifecycle Management	
Central Identity Directory	

05 Detection and Response

CATEGORY	STATUS
Information and Data Security Strategy	
DLP	
DRM for Sensitive Information	
Disaster Recovery	
Backup Infrastructure	
Databases and Repositories	

06 Detection and Response

CATEGORY	STATUS
Network Visibility	
Application and User Visibility	
Host Visibility	
Endpoint Investigation and Response Tool Kit	
Threat Intelligence	
Incident Management	
IR Organization & Competence	

07 Security Governance

CATEGORY	STATUS
Security Organization in Corporate Governance	
Security Operating Model	
Strategy, Policies & Procedures	
Risk Management	
Supply Chain & 3rd Parties	
Asset Management	
Configuration & Change Management	
Security Assessment & Testing	
HR Security	
Business Continuity Management	

- Aligned with best practices
- Partially aligned
- Substantial gaps

Step Three:
Strategic and Tactical Recommendations

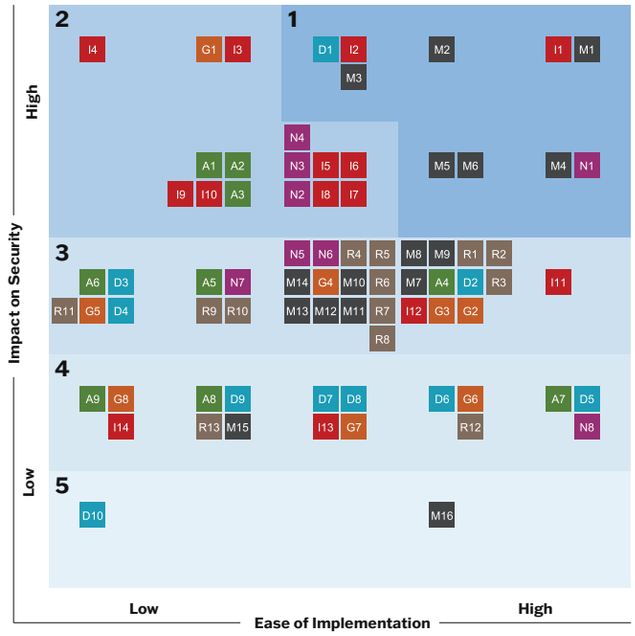
In step three, Sygnia develops and consolidates actionable insights and initiatives prioritized by impact and ease of implementation. Sygnia identifies not only security gaps but also the specific steps an organization needs to take to address them at both strategic and technical levels.

For executives, Sygnia provides a strategic overview that includes the organization's current strengths and opportunities to bolster defenses, key strategic insights, and a roadmap with a recommended plan of action.

For security teams, Sygnia provides a detailed, visual gap analysis that illustrates the organization's current cyber strengths, weaknesses, and areas for improvement.

Detailed, prioritized initiatives are provided with the level of granularity required to ensure successful implementation. All cybersecurity domains are addressed including detection and response, identity and access management, data protection, application security, security governance, network security, and IT infrastructure.

Sygnia's recommendations are pragmatic, actionable, and impact-driven. Sygnia's approach is to always look first for ways to optimize the client's existing security stack. Where additional investment is required, it can be justified with a detailed roadmap that is designed to facilitate an executive-level understanding of the security challenges the organization faces.



Initiatives pillars

- I# Infrastructure and System Security
- N# Network Security
- A# Application and Services Security
- M# Identity and Access Management
- D# Data Protection
- R# Detection and Response
- G# Security Governance

The Time For Action Is Now

Cyber defenses are often far more permeable than assumed, but the asymmetry between attackers and defenders can be reversed. Organizations should start with a posture assessment to get full visibility into their organization's current resilience to cyber attacks. Cyber security strengths will be identified, and exploitable gaps will be revealed. Critical gaps will be closed immediately, before they are exploited by an attacker. The organization can then move forward to implement a strategic posture enhancement roadmap and achieve dramatic improvements in cyber resilience.

75%+

On average, over 75% of recommendations leverage the client's existing security stack

> Often described as a cyber security Delta Force…(Sygnia) has developed a reputation for speed and decisiveness in responding to attacks and helping Fortune 100 companies build their cyber resilience."
>
> **Forbes**

THE SYGNIA ADVANTAGE

Only A-teams

Sygnia employs only highly experienced A-teams with extensive cyber warfare and enterprise security backgrounds. Sygnia's extensive incident response and enterprise security experience is embedded into our posture assessments and enhancements, including deep insights into the requisite defensive fabric and tactics needed to maximize cyber defenses.

Technological Mastery

Sygnia teams perform an effective posture assessment in any environment, with any IT or security stack, in any domain including cloud, application, CI/CD, OT, mobile, iOT, and traditional network infrastructure.

Pragmatic & Impact - driven

Sygnia's recommendations are pragmatic, actionable, and impact-driven. Our teams always look first for ways to optimize the client's existing security stack and make the best use of any security spend. Sygnia cuts through complexity to provide a prioritized, clear, and strategic roadmap for the executive level.

SYGNIA's Advanced Threat Research Team

The latest research into global threat actors and their tactics is incorporated into Sygnia's adversary simulations and benchmarking, ensuring robust posture assessments.

SYGNIA'S POSTURE ENHANCEMENT IN ACTION

USE CASES

Strategic Assessment

Sygnia performs a full analysis to assess the organization's current cyber posture and develop a strategic roadmap to enhance resilience.

Post-breach

Following a major cyber-attack on the organization, Sygnia performs a full posture assessment and provides a detailed roadmap to strengthen the client's network against the full spectrum of relevant threats.

Security Spend Optimization

Sygnia provides a prioritized posture analysis and detailed enhancement roadmap that can be used to validate and optimize the organization's security budget.

Cloud Migration

Prior to a planned migration of IT infrastructure to the cloud, Sygnia provides a full cloud security framework. Following a cloud migration, Sygnia performs a cloud security assessment and validation.

Benchmarking Vs Industry Peers

Current security strengths and weakness are assessed in relation to industry security frameworks and compared to typical industry peer scores.

Merger & Acquisition (M&A)

Prior to the completion of an acquisition, Sygnia performs a full posture analysis on the target company as an integral part of due diligence.

Regulatory Compliance

Sygnia checks the organization's existing security measures, controls, and capabilities in comparison to regulatory requirements.

Digital Transformation

Sygnia assesses the cyber resilience of a critical product or application within the organization's broader IT ecosystem to expose any inherent weaknesses.

“What makes Sygnia so impressive is their deep, technical knowledge, attacker perspective, and ability to translate both traits into proactive security enhancement of the client’s business.”

CISO
Global 2,000 Energy Company

Sygnia is a cyber consulting and incident response company, providing high-impact services to organizations worldwide. Sygnia works with its clients to quickly respond to threats and proactively enhance resilience. Our proven track record, commitment, and discretion have earned Sygnia the trust of security teams, senior executives, and management boards at leading organizations worldwide including Fortune 100 companies.

A TEMASEK COMPANY AND MEMBER OF THE ISTARI COLLECTIVE

TEMASEK ISTARI

24/7

INCIDENT RESPONSE COVERAGE

Suspicious of an incident? Call +1-877-686-8680 now. Learn more at www.sygnia.co