

“Trusted Defense in a Digital World”

The Hala Infosec Advantage



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Preface

In today's world where there is rapid digital transformation across interconnected businesses that deal with ever increasing high volumes of data, the cybersecurity risks organizations are facing are not just evolving but accelerating. The rapid technological advancements and complex regulatory demands are up against the ever evolving and accelerating threat landscape, thus leaving us at a juncture where **the need for a robust, proactive approach for cyber risk management has never been more critical.**

Cyber security is not just a technical safeguard, but fundamentally a business enabler and a strategic priority. And we at, Hala Infosec, understand that. Our mission is to empower organizations –

- a) to confidently navigate today's intricate threat spectrum and
- b) to focus on anticipation and preparation, thus ensuring that security becomes a strategic pillar of growth.

This presentation outlines our comprehensive **Cyber Risk Services portfolio**, designed to help organizations of all sizes build resilience against emerging threats. Our services span the entire cyber risk management lifecycle – from initial assessment and planning to detection, response, and recovery ensuring that your organization is not just reacting to threats, but actively preparing for them.

By leveraging cutting-edge technologies, global threat intelligence, and a wealth of industry experience, **Hala Infosec** is positioned to provide the strategic guidance and technical expertise required to safeguard your most valuable assets.

Our practitioners provide capabilities across the cyber risk management life cycle and our alliance with industry leading vendors provide access to gamut of cyber risk tools and technologies, thus enabling us to collectively deliver large projects in consulting, implementation and managed services accurately tailored to the individual needs of the client.

Thank you for considering **Hala Infosec** as your trusted partner in cybersecurity. Together, we can secure your future in an increasingly uncertain digital world.



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About Us

At **Hala Infosec Pvt Ltd**, we specialize in transforming cybersecurity challenges into business enablers. As a premier **Cyber Risk Services firm**, we deliver cutting-edge solutions that safeguard organizations from the ever-evolving landscape of cyber threats. Our expertise spans across industries, from financial services and healthcare to government and critical infrastructure, ensuring that our clients can operate securely and with confidence in the digital age.

Founded with the vision of delivering **innovative, client-centric cybersecurity solutions**, Hala Infosec is committed to helping businesses stay ahead of the threat curve. We understand that today's security environment is dynamic and complex, requiring not just reactive measures but proactive, forward-thinking strategies. Our comprehensive portfolio includes everything from **cyber risk assessments, incident response, and managed detection and response (MDR)**, to **cloud security, governance, risk & compliance (GRC), and infrastructure protection**.

With a deep commitment to **excellence and integrity**, we combine **global threat intelligence** with **advanced security technologies** to deliver unmatched expertise and service. Our team of experienced cybersecurity professionals works hand-in-hand with clients, offering **tailored solutions** that address both immediate threats and long-term risk mitigation.

Whether you're looking to **secure your network, ensure compliance, or respond to an ongoing cyberattack**, Hala Infosec provides the tools and expertise necessary to protect your most valuable assets. Our goal is simple: to help you mitigate risks, secure your digital future, and drive business success with confidence.



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Our Security Intelligence Centre

Provides comprehensive solutions to help clients safeguard their business assets and enhance security resilience. With a proactive approach to threat detection, response, and recovery, our Cyber offerings are delivered 24 hours a day and 365 days a year from our Security Intelligence Centre. These fully customizable, industry-aligned managed security services encompass advanced threat monitoring, detailed analytics, cyber threat management, and incident response capabilities, empowering businesses to meet the rising demand for cybersecurity expertise.



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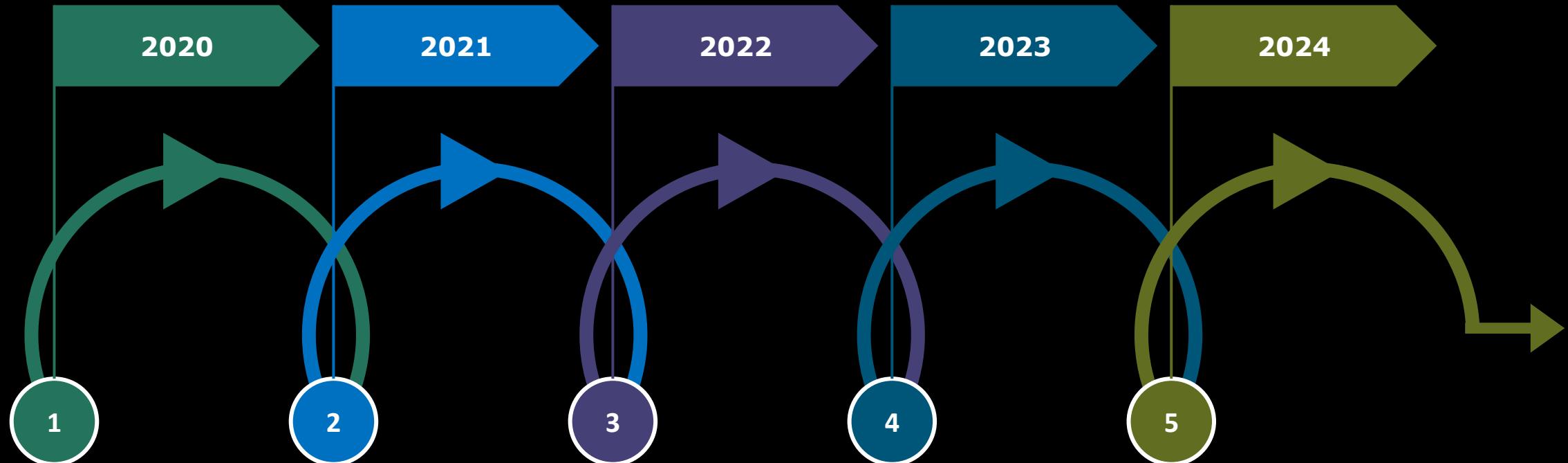


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Our Journey of Growth and Excellence



- February 28, 2020: Hala Infosec was officially incorporated
- Initiated IT Infrastructure management services for a Canadian client
- Successfully pivoted to SOC services, onboarding the same client as our first 24x7 SOC client in **September 2020**

- Expanded our portfolio for Canada client by delivering comprehensive IAM, DLP and Email Security solutions ensuring full lifecycle management and robust protection
- Developed and launched a tailored Vulnerability Management program enabling proactive risk mitigation
- Provided staff augmentation, empowering the client's in-house team to efficiently oversee critical IT and Security platforms

- Welcomed a new SOC client, delivering advanced L2/L3 services within an 8x5 operational window
- Successfully renewed and strengthened our ongoing engagement with our inaugural client
- Launched modernized Security Operations Centre in the heart of Hyderabad, marking the occasion with prominent industry Leaders in attendance

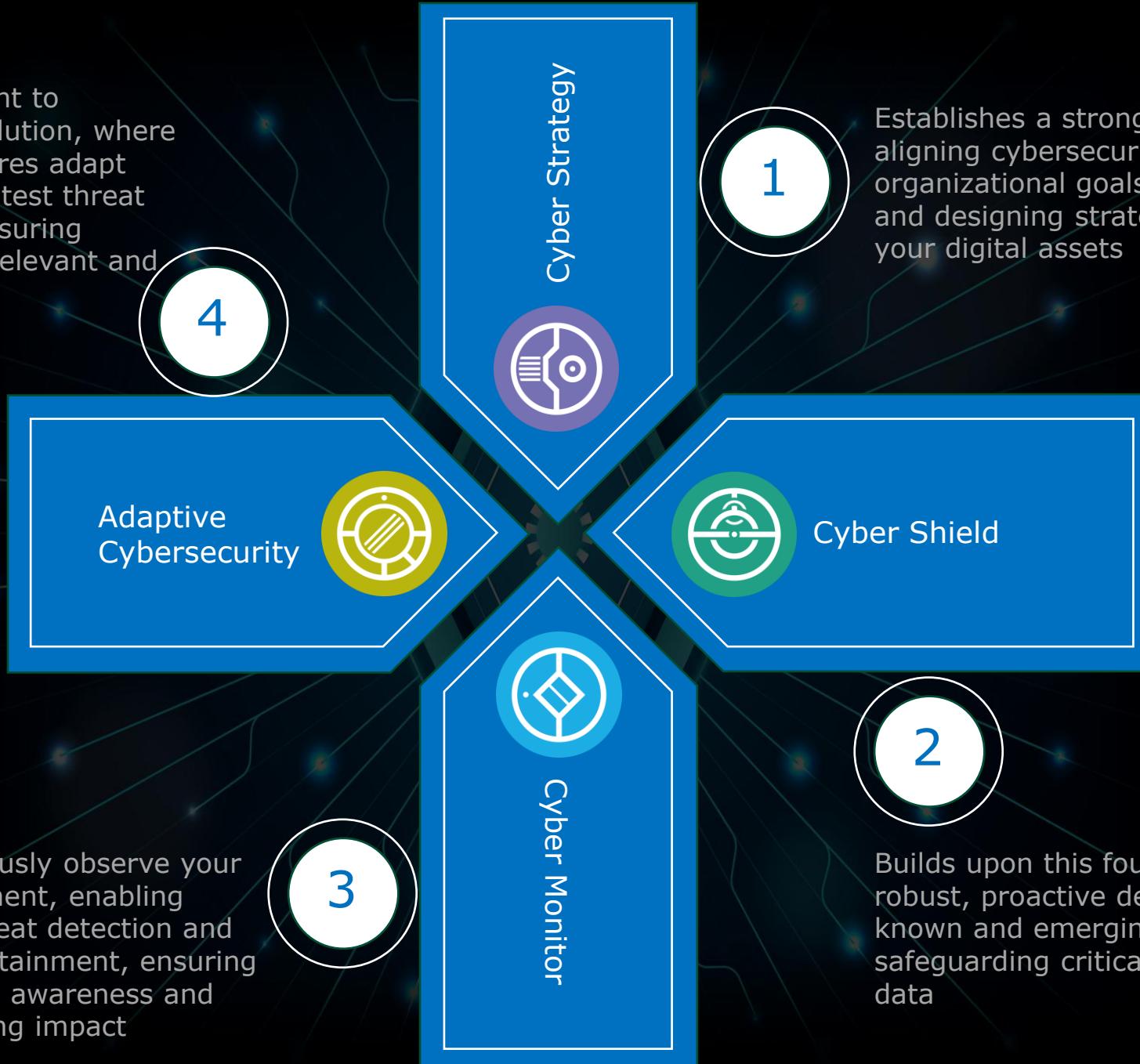
- Honored with prestigious "Indian Achievers' Award for Emerging Company"
- Transitioned existing SOC client from 8x5 service model to a full 24x7 SOC, providing around the clock security coverage
- Launched our Operational Technology (OT) Security journey, including solution design, implementation and OT Security operations
- Successfully onboarded two additional SOC clients, further strengthening our presence in Cyber Security Operations

- Committed to continual improvement across all clients, driving optimized performance and enhanced security outcomes
- Expanded our Threat Hunting capabilities, with a focused initiative launched in 2023
- Earned recognition from CIO of one of the clients for exceptional service quality and dedication
- Secured another 24x7 SOC client, reinforcing our reputation for comprehensive security operations

Empowering Resilience through Comprehensive Cybersecurity Solutions

A fortified, adaptive defense through four essential pillars. These pillars form an integrated ecosystem that not only protects against today's risks but anticipates and adapts to future challenges.

Our commitment to continuous evolution, where security measures adapt based on the latest threat intelligence, ensuring defenses stay relevant and effective



Each pillar plays a strategic role in creating a security posture that aligns with organizational goals, ensuring long-term resilience and trust in a rapidly shifting digital world

Cyber Strategy

Challenges

Many organizations struggle to align their cybersecurity strategy with overall business objectives. This misalignment leads to ineffective security investments resulting in security measures that do not support business objectives.

In addition, organizations heavily depend on the ever-evolving technology landscape to support their Business requirements and revamp their decision-making process. However, these technology investments can result in cyber risks.

How can Hala help

Hala Infosec can bridge these gaps by offering tailored risk assessments, policy development, and strategic planning services, ensuring cybersecurity aligns with organizational objectives and regulatory requirements. By providing experienced cybersecurity advisors, Hala Infosec can fill talent gaps and build effective strategies for growth and resilience.

Establish a Cybersecurity foundation and align security initiatives with organization's objectives and compliance requirements.

Service offerings

- Risk Assessments and gap analysis
- Governance, Risk and Compliance
- Cybersecurity roadmap development
- Policy and Framework development
- Security awareness and training programs
- Third Party Risk Management
- Executive advisory on emerging threats

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- Conduct comprehensive risk assessments to identify security weaknesses and prioritize risks
- Provide maturity assessments to benchmark against industry standards
- Facilitate compliance with standards such as ISO 27001, NIST, GDPR, PCI DSS and other standards that are relevant to client's industry
- Align cybersecurity initiatives with organizational objectives by building a long-term roadmap. This includes outlining technology investments, training and processes required to improve security posture
- Develop policies such as data protection, incident response, access control and more
- Conduct periodic training sessions, including Phishing simulations and tailor-made training designed to meet your requirements
- Perform risk assessments for key vendors, evaluate their security posture to prevent supply chain risks
- Provide with insights on cybersecurity evolving threats to Executive Leadership

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Challenges

Organizations struggle to cope with radically changing threats and to adapt their defenses effectively due to the persistently evolving cyber threats.

Organizations are also increasingly adopting to applications and cloud services making consistent protection across diverse environments a major challenge.

How can Hala help

With our Cyber Shield services, Hala Infosec can provide comprehensive protection for networks, applications, data, and endpoints, using advanced technologies and best practices. By offering data security solutions, DLP, IAM, and vulnerability management services, Hala Infosec helps organizations safeguard sensitive information and maintain consistent security across all environments.

Implement proactive measures to safeguard organization's sensitive assets and reducing the risk by focusing on cost optimization objectives

Service offerings

- Network and Infrastructure Security
- Application Security
- Data Security and Protection
- Identity and Access Management
- Endpoint Security solutions
- Cloud security controls
- Vulnerability and Patch Management

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- Understand the need, evaluate and recommend appropriate product against the need for a security solution. Design, deploy and manage Firewalls, Intrusion Prevention Systems (IPS), Web Application Firewall to secure perimeter networks
- Conduct Secure Software Development Lifecycle (SDLC) programs, including secure coding practices and code reviews
- Perform Vulnerability assessments and Penetration tests on Infrastructure, web and mobile applications. Develop a Patch Management policy to prioritize and schedule updates across all devices
- Implement and manage DLP solutions to monitor and prevent data exfiltration across endpoints, email and cloud storage
- Establish IAM Frameworks and access controls, leveraging MFA and SSO solutions. Implement Role Based Access Control (RBAC) to enforce zero trust
- Deploy EDR solutions to protect laptops, desktops, mobile devices, and server environment
- Secure cloud environments by implementing security controls such as encryption, DLP, and CASB. Guide organizations on secure configuration of cloud platforms, including AWS, Azure and GC

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An effective Security Operations Centre (SOC) is a coordinated effort amongst multiple components such as 24x7 security threat monitoring, comprehensive threat intelligence, content management and more. Organizations often find it difficult to manage a SOC in-house due to the essential specialty skills and technology platforms.

How can Hala help

Through its Cyber Monitor services, Hala Infosec provides 24/7 monitoring, incident response, and threat intelligence, enabling proactive and efficient detection of threats. By handling alert management, endpoint monitoring, and vulnerability management, Hala Infosec can reduce the operational burden on in-house teams and ensure that threats are identified and addressed swiftly.

Enable continuous monitoring and rapid response to security threats across IT and OT environments.

Service offerings

- SOC Services
- Network Traffic Analysis
- Managed Detection and Response
- Threat Intelligence
- Incident Response
- Threat Hunting
- Red Teaming
- Attack Surface Management

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- Hala Infosec offers flexible and easily scalable security threat monitoring services. Our certified SOC analysts operate 24x7 to detect malicious activities in both IT and OT environments and rapidly respond to those incidents allowing organizations to make informed decisions
- Implement and manage the SIEM platforms as part of the SOC services with threat hunting capabilities
- Use advanced tools like XDR to detect threats across endpoints, networks and servers
- Provide incident response support tailored to the needs of the organization ensuring rapid investigation and containment of threats
- Obtain intelligence on new threats from open source and commercial feeds relevant to client's industry and use it to pre-emptively identify vulnerabilities
- Conduct proactive threat hunting activities to detect hidden or dormant threats that evade conventional defense mechanisms
- Leverage AI and ML driven tools to monitor and analyze network traffic for suspicious activities

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ICS/OT Security

The ramifications of an OT system compromise are not just limited to downtime and loss of production but also impacts health and safety of the People and the environment in entirety. The risks associated with IT Security are financial and/or reputational but those associated with ICS/OT Security involves the risk of human life, which makes it more critical.

Adversaries attack the Functional safety systems to “compromise the billing system in the Colonial Pipeline attack forcing them to shutdown their pipelines across the US for more than 5 days resulting in a huge deficit of oil and natural gas” and “increase the level of sodium hydroxide in the water supply to 100 times higher than normal in the Florida Water Treatment Plant attack”. These incidents aggressively demand the need to build and create a strong OT Security Framework and ensuring deeper integration between IT and OT environments.

How can we help?

Conduct Security Assessments

- Cyber program maturity assessment across ICS/OT infrastructure
- ICS Network vulnerability Assessment and Security Configuration review
- Non-intrusive penetration testing across the OT network
- Security readiness assessment against various industrial benchmarks and frameworks for certification readiness

Training

Conduct OT specific Cyber Security training in both B2B and B2C models – a) Detailed and focused training targeting fresh graduates, professionals aspiring a career in OT Security, and Corporate training

b) Training and awareness program for Executives

Build OT Security Program

Design, develop and implement an OT Security program and Governance Framework that enables the organizations to mitigate and manage the risks associated with OT.

Implement OT Security Solution and Managed OT Security Operations

OT Security tool architecture design, development and implementation for anomaly detection and assist in the end-to-end management and operations of OT Security including Asset inventorying, vulnerability management, and threat detection to improve the reliability and security of the OT environment. Manage the 24x7 OT Security Operations as a program from day-to-day operations, incident management, monthly operations dashboard to overall Governance at the program level.

Cyber Monitor

Attack Surface Management

- Perform continuous scans to identify all assets, IP addresses, servers, cloud environments, endpoints, domains and applications to manage a real-time inventory that is critical in a dynamic cloud and hybrid environment
- Assess these assets for potential exposures, vulnerabilities, and misconfigurations along with risk score
- Identify vulnerabilities including those caused by outdated software, unpatched systems real-time integrated with threat intelligence feeds to enhance the accuracy of the detections
- Monitor for any changes or new exposures in the attack surface and immediately flag enabling prompt action to mitigate risks

Offering ASM and Red Teaming services allows Hala Infosec to provide clients with a comprehensive security approach. ASM ensures ongoing visibility and risk reduction, while Red Teaming rigorously tests and validates these efforts, enabling our clients to fortify their defenses continuously and effectively

Red Teaming

- Conduct extensive reconnaissance to gather information on public facing assets pertaining to the organization and leverage this to develop an attack model to identify potential entry points
- Conduct phishing simulations and other social engineering tactics to evaluate employee susceptibility and response to targeted attacks
- Attempt to breach the physical premises to assess strength of physical security controls
- Test organization's defenses against data exfiltration scenarios evaluating controls to prevent sensitive data leakage
- Work with blue team to test organization's detection and response capabilities, and collaborate with Red and Blue teams sharing insights to improve defensive tactics

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The pressing need for any organization is the lack of a formal incident response plan leading to delays and miscommunication during cyber incidents. Organizations also lack resources to conduct simulation and training exercises, essential for building resilience.

How can Hala help

Hala Infosec's Adaptive Cyber Security services cover end-to-end incident response planning, business continuity support, and recovery solutions. With incident response planning, regular tabletop exercises, and forensic analysis, Hala Infosec helps organizations not only recover quickly from incidents but also continuously improve their resilience against future threats.

Ensure rapid recovery and continuity of operations following a cyber incident, minimizing disruption and data loss

Service offerings

- Incident Response planning and execution
- Cyber Wargaming
- Backup and Data Recovery solutions
- Forensic analysis
- Cybersecurity insurance advisory

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- Develop and update incident response plans, ensuring all stakeholders understand their roles
- Facilitate incident response drills and simulations to test and improve the response plan. Document the findings, lessons learnt to strive for continual improvement
- Implement cloud-based or on-prem secure and regular data backup processes ensuring data integrity and quick restoration capabilities
- Offer forensic services to analyze and gather evidence following a breach, assisting in legal and regulatory compliance. Document findings and provide insights into how the breach occurred, supporting continuous improvement
- Assist in evaluating and selecting cyber insurance policies to offset potential financial impacts. Help clients understand the scope of coverage, ensuring alignment with their incident response and resilience needs.

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Enhancing Security Operations and OT Security Capabilities

Client challenges

- Presence of multiple security solutions led to low ROI
- Limited in-house resources and skills in OT Security
- Disjointed security operations due to lack of integration among tools

Solutions implemented

- **Managed Solutions & Services:**
Dark Trace, Palo Alto XDR, Proofpoint Email Security, Okta IAM, Microsoft Cloud Application Security (MCAS).
- **24x7 Managed SOC Services:**
Ongoing threat monitoring, response, and proactive threat hunting.
- **Vulnerability Assessment & Penetration Testing (VAPT):**
Comprehensive vulnerability management to mitigate potential risks.
- **OT Security Solution Deployment:**
Implemented Nozomi Networks for OT security, integrated it with the client's OT SOC, and operationalized it for real-time monitoring.

Results achieved

- Transformed Security Operations from an Initial Maturity Level to an Optimized Maturity Level.
- Streamlined and unified security monitoring and incident response processes.
- Enhanced OT security visibility and protection, ensuring robust defense for both IT and OT environments.

Customer satisfaction

- The client expressed high satisfaction with the improved ROI and cohesive security operations, citing enhanced visibility and proactive defense as key outcomes.

Project Status - Active

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Transforming Security Operations with Trusted MSSP Partner

Client challenges

- Dissatisfaction with the previous security partner's performance.
- Need for a trusted MSSP to manage and enhance security operations effectively.

Solutions implemented

- **Managed Tools & Services:**
IBM QRadar, Firewalls, SentinelOne EDR, Mimecast Email Security, and Network Devices.
- **Advanced Incident Management:**
Provided L2/L3 support for QRadar, acting as an escalation point for all security incidents.
- Comprehensive management across EDR, email security, and network infrastructure.

Results achieved

- Significant leap in security operations maturity over the past two years
- Strengthened incident response capabilities and streamlined security processes

Customer satisfaction

- The client expressed high satisfaction, appreciating the enhanced security maturity and the dependable support provided by Hala Infosec

Project Status - Active

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Revitalizing Security Operations with improved posture and efficiency

Client challenges

- Disorganized security posture with multiple deployed solutions but insufficient expertise for effective management
- Security operations were hindered by lack of structure and skilled resources

Solutions implemented

- **Managed Tools & Services:**
LogRhythm, Microsoft E5 Security Stack (MFA, MDM, IAM, DLP), Stormwall DDoS Protection
- **24x7 Managed SOC & Threat Hunting Services:**
Continuous monitoring and proactive threat detection, helping to prevent potential breaches
- **M365 E5 implementation:**
Successful M365 E5 stack full implementation against all odds of changes in the Leadership, ambiguity in requirements etc.
- Streamlined management of identity, access, and data loss prevention (DLP) tools to establish a cohesive security framework

Results achieved

- Transformed security operations from a disarrayed state to an optimized, client-satisfactory level in approximately two months
- Established a well-structured, manageable, and responsive security operations environment

Customer satisfaction

- The client expressed significant satisfaction with the rapid and effective transformation, citing enhanced operational efficiency and security control

Project Status - Concluded

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Client challenges

- Dissatisfaction with previous partner's performance, leading to inadequate security management
- Need for a trusted MSSP to enhance visibility and optimize security operations

Solutions implemented

Managed Tools & Services:

IBM QRadar SIEM, IBM QRadar SOAR, CrowdStrike, Microsoft E5 Security, OPSWAT MD Core, Mimecast Email Security

Comprehensive Security Operations:

24x7 Managed SOC services, phishing email analysis, and proactive threat hunting

- Enhanced decision-making support through real-time insights and advanced incident response with SOAR

Results achieved

- Significant transformation in cybersecurity posture, achieved through improved visibility and proactive threat management
- Empowered client with the ability to make informed decisions, elevating overall security resilience

Customer satisfaction

- The client expressed high satisfaction, appreciating the enhanced security maturity and the dependable support provided by Hala Infosec

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Optimizing Security Solutions with Technical audit

Client challenges

- Outsourced to a third party, Client wanted to review and assess the effectiveness of SOC operations
- Pressing need for audit of a number of security solutions implemented by the Bank

Activities performed

- Reviewed the deployment architecture and configuration of IBM QRadar SIEM implemented at the Bank
- Audited the security configuration of 22 Security solutions implemented over a span of 2 weeks
- Highlighted the critical findings daily to the executive committee of the Bank
- Firewalls, SIEM, DLP, WAF, DAM, EDR, NAC, PAM, FIM, IPS, SIEM and 11 more solutions audited

Results achieved

- Having conducted an in-depth assessment of the solutions in scope, Hala Infosec spotted several critical and high severity findings across all the 22 Security solutions
- Audit and submission of the report completed in 3 weeks

Customer satisfaction

- The client was satisfied with the quality of the audit and the findings reported given the stringent timelines within which the audit was completed
- The efforts were highly commended in the closure meeting

Project Status - Concluded

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Transformed security operations with enhanced monitoring and operational resilience

Client challenges

- Previous Partner's underperformance resulted in fragmented and ineffective security oversight
- Required a reliable MSSP to restore confidence and strengthen operational visibility

Activities performed

- Streamlined SOC operations by eliminating noise and focusing on high fidelity alerts
- Enhanced visibility across the environment through improved monitoring and telemetry
- Strengthened threat detection capabilities with refined use cases against MITRE Framework
- Improved reporting quality by incorporating KPIs and actionable metrics to drive data-driven decision-making and track SOC effectiveness

Results achieved

- Significantly reduced alert fatigue and improved analyst efficiency, enabling faster triage and focused response to high-fidelity alerts
- Achieved measurable improvements in threat detection and response metrics, including reduced MTTD/MTTR and enhanced visibility

Customer satisfaction

- The client expressed high satisfaction with the improved security operations, noting increased confidence in threat visibility, faster response times, and the overall maturity brought to their SOC environment

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Key accomplishments

- Conducted a **focused webinar and immersive 2-day onsite training** on Operational Technology (OT) security for key personnel at India's leading Aluminum & Copper manufacturing Company
- Covered **core OT security concepts**, risk scenarios, and real-world case studies tailored to industrial environments
- Enabled participants to **understand and identify threats unique to OT systems**, including PLCs, SCADA, and ICS infrastructure
- Provided hands-on guidance on **segmentation, threat detection, and incident response in OT environments**
- Fostered cross-functional collaboration between **IT and OT teams**, improving coordination and security ownership
- Equipped participants with **best practices and frameworks (e.g., NIST, IEC 62443)** for securing industrial control systems
- Received positive feedback from participants, indicating increased **awareness, confidence, and readiness** to support OT security initiatives
- Received an overall rating of 4.6+ on a scale of 5 for the training**

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Skill Matrix

Role	Skills/Capability	Security Stack
SOC Analysts (L1s)	Proficient in monitoring and managing industry-leading Detection and Response platforms—SIEM, EDR/XDR, and NDR—which form the backbone of modern SOC operations, enabling high-fidelity threat detection, rapid incident response, continuous situational awareness, and data-driven, informed decision-making	IBM QRadar, Dark Trace, Sophos Central, LogRhythm, Microsoft Sentinel, Palo Alto Cortex XDR
Security Consultants/Specialists	Skilled in implementing and administering a wide range of security solutions, with demonstrated experience across SIEM, SOAR, EDR/XDR, IAM, DLP, NAC, CASB, Microsoft 365 Security (E3 and E5), and cloud security platforms	SIEM – IBM QRadar, Sophos Central, LogRhythm, Microsoft Sentinel, Palo Alto XSIAM SOAR – IBM QRadar SOAR, Microsoft Sentinel, LogRhythm, Palo Alto XSOAR EDR/XDR – CrowdStrike, SentinelOne, Palo Alto Cortex XDR
IT/OT/ICS Security	Certified professionals with proven expertise in implementing and administering IT and OT security solutions, while efficiently managing 24x7 security operations. Our team also specializes in developing OT security frameworks and crafting security policies aligned with globally recognized standards such as IEC 62443 and NIST	IT Security – As mentioned above OT Security Solutions – Nozomi, Claroty, Cisco, Armis, Tenable, Honeywell (SCADAfence), Dragos
VAPT	Certified professionals with deep expertise in performing VA and PT across network, servers, applications both on cloud and on-premises spanning IT and OT environments ensuring comprehensive coverage and actionable insights to improve the overall security posture	
Threat Hunting	Skilled in conducting proactive threat hunting across diverse environments, leveraging threat intelligence, behavioral analytics, and advanced detection tools to uncover hidden threats, reduce dwell time, and enable informed, strategic security decisions	Proficient in developing custom detection rules and queries using AQL, KQL, SPL, and Sigma to support proactive threat hunting and advanced analytics

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