NuSummit Cybersecurity

DATASHEET

Managed Detection and Response

Traditional MDR Challenges in Security Ops

MDR has long been central to enterprise security, but traditional approaches can no longer keep up with modern threats. Organizations face:

Alert Fatigue

Filters and prioritizes alerts based on polymorphic signals and false positives, overwhelming analysts and masking real risks.

Delayed Detection

Data breaches often discovered days or weeks after compromise.

Skill Gaps

Shortage of advanced MDR professionals for detection and response.

Slow Incident Response

Manual playbooks extend Mean Time for Response (MTTR).

Limited Visibility

Disconnected tools and siloed data obscure the full attack surface.

Inconsistent Reporting

Executives lack timely, actionable insights for decision-making.

Introducing AI-Powered MDR

To overcome these limitations, NuSummit Cybersecurity has redefined MDR by embedding Agentic AI into every stage of detection and response. Our AI-MDR solution automates repetitive SOC tasks, accelerates detection and response, and provides proactive defense against evolving adversaries.

Key Capabilities

AI Driven Alert Triage and Investigation

Filters and prioritizes alerts based on polymorphic signals and false positives, overwhelming analysts and masking real risks.

CXO Dashboards and Reporting

Automated insights tailored for CISOs, CIOs, and boards.

Automated Incident Response

AI agents reduce MTTR from hours to minutes.

Adaptive Learning

AI agents optimize response strategies with every incident.

Advanced Analytics and Threat Hunting

Continuous AI-powered hunting with enhanced intelligence.

Seamless Integration

Extends value of existing SIEM, SOAR, and EDR without disruption.

Why AI-Powered MDR?

Reduced Noise & Lower Costs

AI-driven triage filters false positives, cutting noise and optimizing cost of ownership.

Frictionless Service Adoption

AI-enabled orchestration accelerates the integration of EDR, UBA, and advanced threat modeling as your program evolves.

AI SOC Agents for Continuous Monitoring

Global AI-augmented SOCs provide continuous protection and geo-redundancy.

Seamless SOC Transformation

Establish a functional AI-enhanced Security Operations Center within just 2 weeks.

Mature, AI-Optimized Frameworks

Controls aligned with ISO 27001, ITIL, and NIST, augmented by AI analytics for compliance and continuous improvement.

Proven Global Experience

Over 15 years of securing mission-critical SOCs across industries of all sizes, now transformed with Agentic AI-powered cyber defense.

Key Highlights

AI-Driven Monitoring and Insights

- 24x7x365 AI-driven monitoring with anomaly detection powered by machine learning.
- Predictive threat-con reviews (yearly, quarterly, monthly) to stay ahead of adversarial AI campaigns.
- Unified “single pane of glass” dashboards enriched with AI-curated insights.
- Industry-specific threat intelligence augmented with AI for anomaly detection and dynamic use-case enrichment.

Proactive Threat Defense

- AI-powered situational awareness through automated threat modeling and agentic AI-driven threat hunting.
- Self-optimizing security monitoring infrastructure enhanced by AI/ML for proactive defense.

AI-Enhanced Visibility and SOC Support

- Real-time cybersecurity posture delivered via AI-curated CXO dashboards and KPIs.
- AI-augmented XDR/MXDR with automated firewall optimization and continuous learning.
- 24x7 AI-assisted support with automated triage agents and on-demand expert escalation.

AI-Powered Compliance and Assurance

- Incident response aligned to NIST Cybersecurity Framework, accelerated by AI-driven playbooks.
- End-to-end incident lifecycle (Identify, Protect, Detect, Respond, Recover) enhanced by AI analytics for compliance mapping and audit readiness.

Scale and Expertise:

260+

Next-Gen MDR Professionals trained on AI-powered SOC operations.

20+

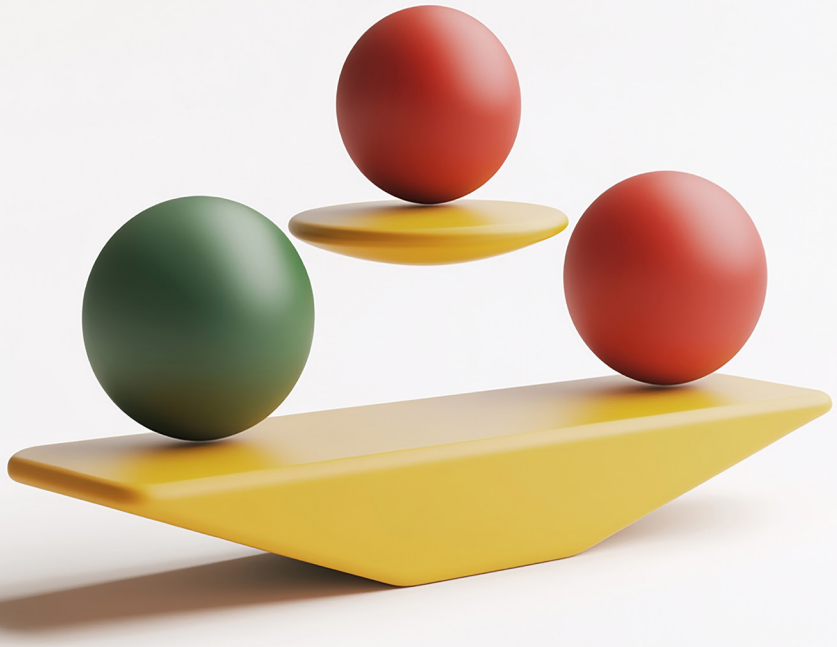
MDR SIEM Technologies integrated with AI and ML-based enrichment.

100+

Clients Worldwide benefiting from AI-enhanced MDR services.

15+

Years of Service Excellence, evolving to defend enterprises in the GenAI era.



About NuSummit Cybersecurity

NuSummit Cybersecurity helps build and transform cybersecurity postures to enable businesses to mitigate risks. We are a pure-play cybersecurity services company with deep expertise in Identity and Access Management, Risk Advisory, Security Verification, Managed Detection and Response, and Security Engineering services.

Our unique products and services help businesses build and transform security postures while mitigating risks. Our focus is to strengthen security resilience by minimizing the occurrence of attacks, threats, and risks so that you can drive change, innovate, and accelerate growth.

For more information, visit us at **cybersecurity.nusummit.com** or write to us at **cybersales@nusummit.com**

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