

Vehere SIGINT for Cyber Defense

AI-Powered Signals Intelligence for National Cyber Resilience

A unified platform for Signals Intelligence (SIGINT) and national-scale cyber operations, designed to empower CERT and CSIRT teams to monitor, hunt, and gain situational awareness of advanced cyber threats across the national networks – at terabit-per-second speed and petabyte scale

Vehere SIGINT for Cyber Defense provides national and regional CERT/CSIRT teams with real-time visibility across diverse network and communication data sources, supporting country-wide cyber threat operations at unmatched speed and scale.

Vehere SIGINT for Cyber Defense enables teams to:

- **Conduct National Cyber Threat Monitoring** – Continuously observe network activity and signals intelligence at terabit-per-second scale to detect emerging campaigns.
- **Perform National Cyber Threat Hunting** – Proactively investigate threats, map adversary infrastructure, and uncover evolving tactics across massive, multi-sector datasets.
- **Maintain National Cyber Situational Awareness** – Gain a unified, real-time operational view of the threat landscape to support rapid, intelligence-driven decisions.

Vehere correlates **high-volume packet captures, network telemetry, and threat intelligence** at scale, enabling analysts to perform high-speed queries and extract actionable insights. The platform ensures **national and cross-border cyber vigilance**, detecting APTs, **ransomware campaigns, and sophisticated adversary activity** through AI, heuristic analysis, and deep inspection. Its **lossless capture, advanced forensics, and AI-powered threat hunting** deliver clarity and control at national scale.

KEY BENEFITS

Proactive National Cyber Threat Monitoring

Continuously analyzes national network traffic at Tbps speeds, detecting emerging campaigns and anomalous patterns in real time.

AI-Powered National Cyber Threat Hunting

Leverages machine learning and behavioral analytics to hunt for advanced threats across datasets, uncovering evolving tactics and persistent adversaries.

Comprehensive National Cyber Situational Awareness

Provides a unified, real-time operational view of nation-scale network activity, enabling intelligence-driven decisions with unprecedented speed and accuracy.

KEY HIGHLIGHTS

- Real-time capture and analysis of country-level network traffic for threat intel and forensic visibility
- AI-driven detection of anomalous behavior, ransomware, command and control, data exfiltration
- Deep inspection and metadata correlation across encrypted and unencrypted traffic
- Automated incident enrichment with integrated threat intelligence and historical context
- Cross-correlation of alerts from multiple sensors for **unified national situational awareness**
- Advanced analytics and reporting for **CERT, CSIRT, and national cyber command centers**
- Machine learning-based alert prioritization to reduce analyst fatigue
- Secure role-based access, audit logging, and compliance-ready traceability

Advanced Malware and Campaign Intelligence

Performs in-depth inspection of files, payloads, and command infrastructure to detect sophisticated APT campaigns, ransomware operations, and advanced adversary activity.

Zero-Day Threat Detection

Uses AI and heuristic models to identify unknown exploits, new malware families, and previously unseen attack infrastructure at high throughput.

Rapid Analysis and Incident Contextualization

Supports coordinated intelligence workflows with real-time contextual alerts, session metadata, and forensic reconstruction, enabling fast attribution and response.

ABOUT VEHERE

Vehere is a new-age Cyber Defense software company specializing in AI-powered Cyber Network Intelligence. For over a decade, Vehere has supported counter-terror operations across defense and intelligence communities. Today, Vehere's battle-tested Network Detection and Response (NDR) solutions are trusted by Fortune 500 enterprises and government agencies alike to protect critical infrastructure in real-time.



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