

# 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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