







The Data Deluge is Blinding Us

Critical infrastructure sectors—including State & Local Government (SLED), Utilities, and Telecommunications—face increasing threats and inefficiencies because human operators cannot scale to process the volume of modern surveillance data.



Outdated Monitoring

Lacking real-time insights and automated anomaly detection.



High Operational Costs

Driven by inefficient incident response and manual, resource-intensive processes.



Critical Missed Events

The sheer volume of simultaneous video streams makes it impossible for humans to effectively monitor and prevent incidents before they escalate.



The Paradigm Shift: Introducing SARAHAI

SARAHAI seamlessly transforms ordinary surveillance systems into AI-powered, intelligent security networks. It moves beyond simple analytics to provide predictive insights, identifying issues before crises arise.

Situational Awareness Response And Help Al

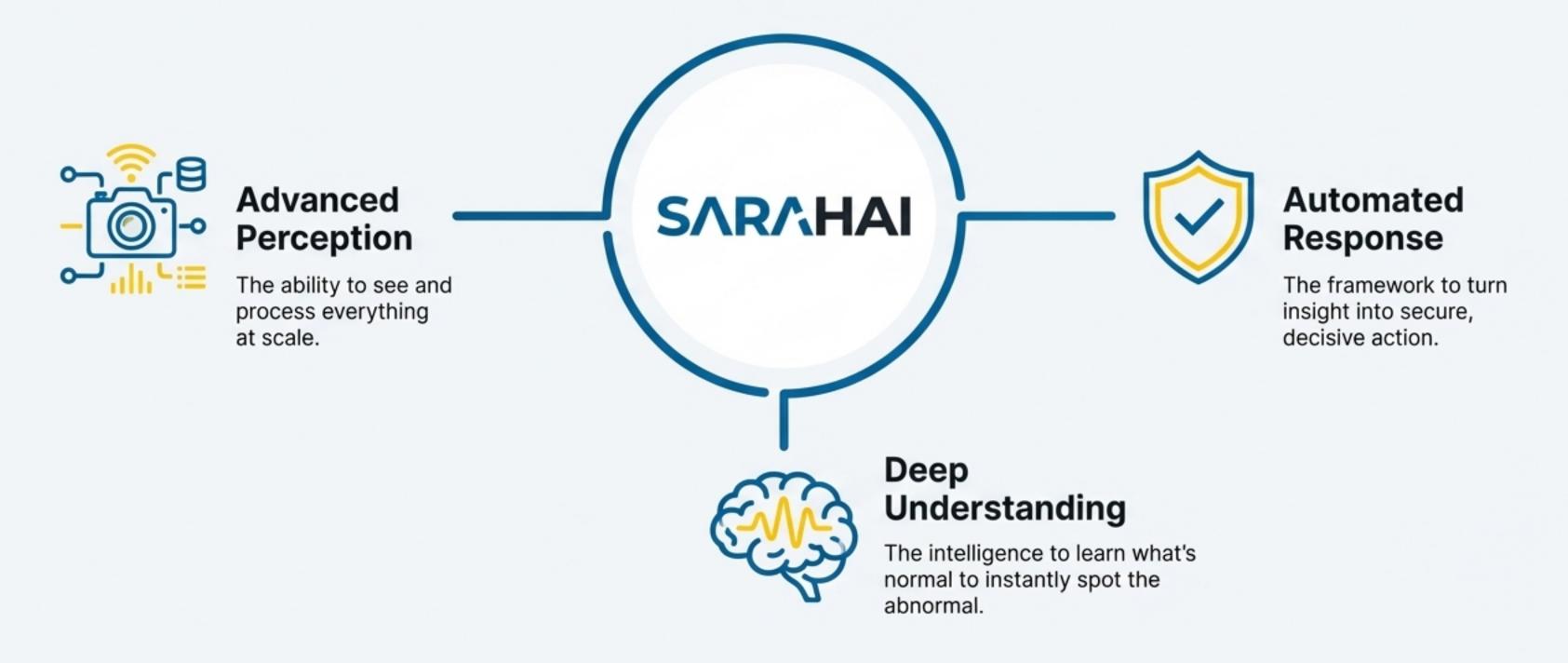
Key Capabilities:

- Real-time object detection and anomaly recognition.
- Deep learning models applied across multiple camera feeds.
- Turns 'dumb' cameras into active, intelligent sensors.

SARAHAI ALERT ANOMALY DETECTED: cert 25 12:37 PM View Details

Under the Hood: The Three Pillars of SARAHAI

SARAHAI's power is built on a foundation of three integrated technological pillars that work in concert to deliver unparalleled situational awareness.





I. Multi-Stream, GPU-Accelerated Perception Perception Stream, GPU-Accelerated Perception

SARAHAI is engineered to ingest and analyze vast amounts of visual data in real time, forming the foundation for all higher-level intelligence.

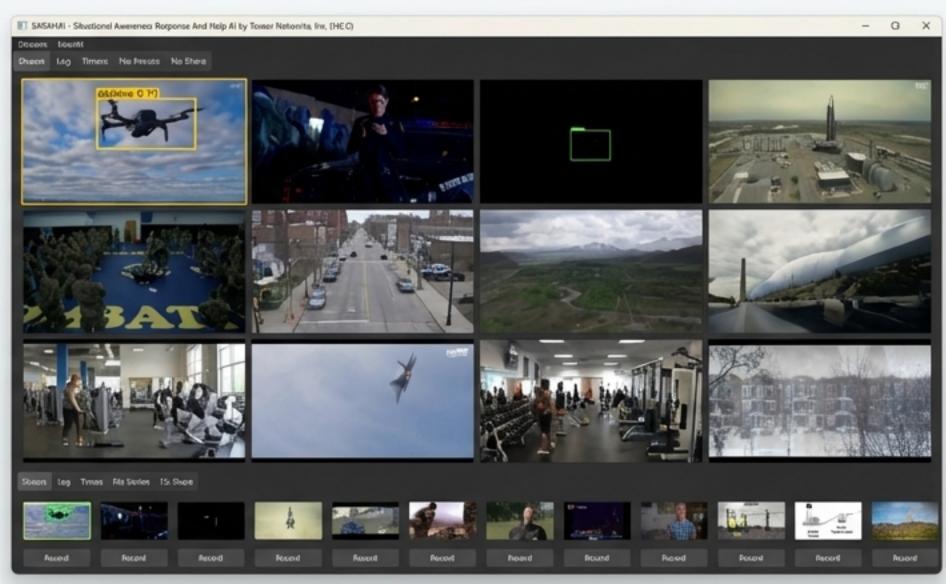
Key Technical Specifications:

Massive Scale: Processes up to 24 simultaneous video streams per instance.

Advanced Al Detection: Utilizes the YOLOv8 model for high-accuracy object detection and classification.

Hardware Accelerated: Natively optimized for NVIDIA CUDA, AMD ROCm, and DirectML environments for maximum performance.

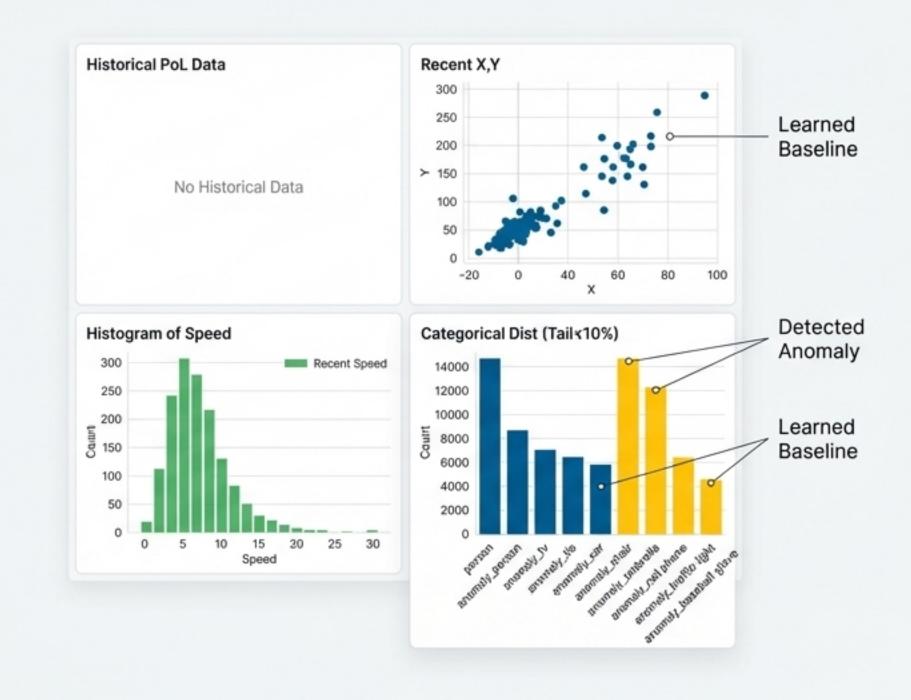
Flexible Ingestion: Supports a wide range of sources including USB, RTSP, ONVIF, and local video files.



II. The Core Intelligence: Pattern-of-Life Analytics

This is more than just object detection. SARAHAI learns the unique rhythm and flow of your environment—the normal patterns of people, vehicles, and activity over time—to detect subtle deviations that signal a potential threat.

- Pattern-of-Life (PoL) analysis based on Kernel Density Estimation (KDE) models behavioral baselines.
- * Anomalies are flagged when activity deviates from the learned norm, enabling detection of precursor events.
- Moves beyond basic analytics to deliver genuine predictive insights.







III. From Insight to Secure, Automated Action

Intelligence is only valuable if it drives a timely and effective response. SARAHAI is built with a security-first architecture to ensure insights are delivered and evidence is handled with operational integrity.

- Automated Alerting: Instant notifications via Twilio SMS and SMTP Email for critical events (e.g., gun, knife, drone detection).
- Encrypted Recording: All video evidence is captured and encrypted using AES-GCM 256bit encryption, ensuring chain of custody.
- Federated Intelligence: Securely shares
 metadata between sites using a Common
 Operating Picture (COP) Fusion module, with all
 communication protected by Ed25519
 signatures. No raw video is transmitted between
 nodes.



A Force Multiplier for Your Operations

Demonstrable ROI and a new standard of efficiency.





Primary Business Benefits

- Drives measurable cost savings.
- · Reduces resource-intensive interventions.
- Enhances overall security posture and asset protection.

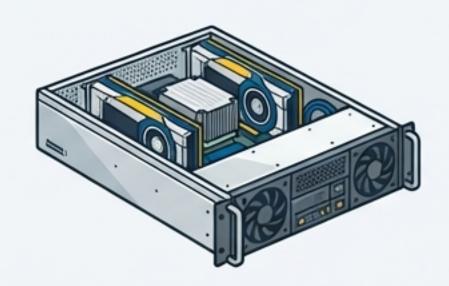
Engineered for a New Class of Threats



SARAHAI sets itself apart from closed, single-vendor platforms like Verkada and Axxis by delivering next-generation security insights they cannot match.

Feature	SARAHAI	Typical Competitors (e.g., Verkada, Axxis)
Core Analytics	Advanced Pattern-of-Life (PoL)	Basic Motion/Object Detection
System Architecture	Open System Integration (Works with existing DVRs/cameras)	Closed, Proprietary Ecosystem
Performance	GPU-Accelerated (CUDA/ROCm)	Often CPU-only or cloud-dependent
Intelligence Sharing	Secure Federated Awareness	Siloed, Single-Site Views

Intelligence Where You Need It: Flexible & Scalable Deployment



Model 1: Standalone On-Premise

- Description: Ideal for securing specific facilities or integrating with existing infrastructure.
- Hardware: Runs on a local GPU Workstation.
- Integration: Works with existing DVR and camera systems.
- Scale: Up to 24 streams per instance.



Model 2: Hosted GPU Cloud

- Description: Designed for large-scale, distributed security networks and datadriven decision making.
- Hardware: Deployed on GPU Servers (laaS).
- Integration: Works with Cloud DVR solutions.
- Scale: Massive, elastic scale.

A Legacy of Innovation and Trust

Proven, Patented, and Mission-Tested.

Key Credibility Points



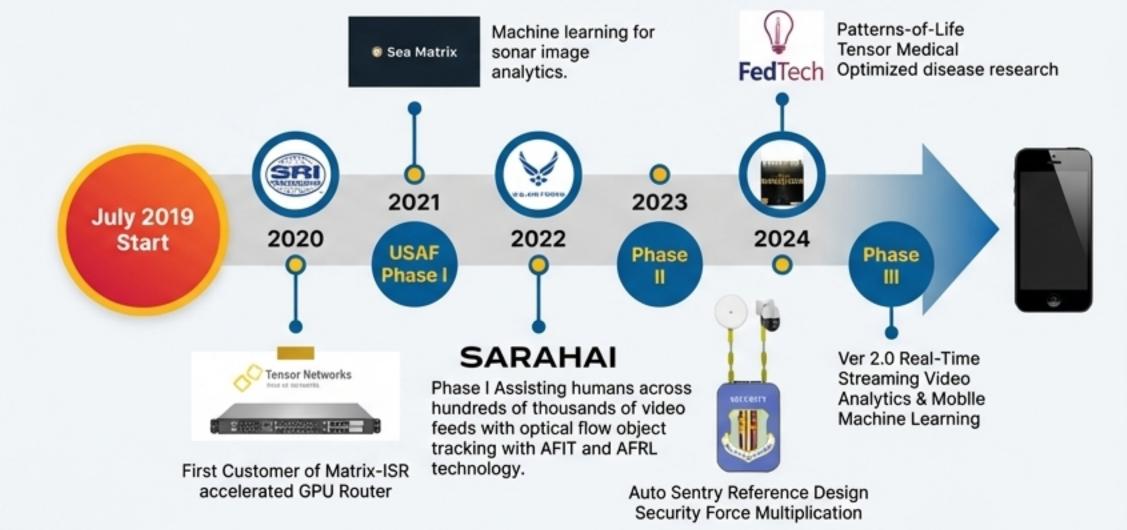
Founded in 2019: A timeline of continuous innovation.



U.S. Government Partner:
Successfully delivered on USAF
Phase I and Phase II projects,
including the AutoSentry
Reference Design.



Patented Technology: Core IP is exclusively licensed and protected by U.S. Patents 9,696,404 & 11,308,384 B1.





Made in the USA.

SARAHAI integrates sensors (Network, SONAR, and Video) into a human assistance solution as the world's leading AloT Platform

The Future of Safety and Operational Intelligence

Multi-Billion Dollar Market Potential



\$30B+ annual spend (\$1.5B-\$3B potential for SARAHAI).



Utilities

\$10B-\$15B in critical infrastructure security (\$0.5B-\$1.2B potential).



Telecom

\$5B-\$10B in network security & resilience (\$0.15B-\$0.5B opportunity).

Total Addressable Market: \$2.15B-\$4.7B annually

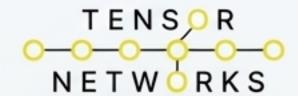
The Investment Opportunity

A \$10M investment will accelerate market entry, expand licensing opportunities, and establish SARAHAI as a leader in Al-powered safety.

Call to Action

Schedule a Technical Deep Dive

Request a Pilot Program



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