EMPOWER CRITICAL INFRASTRUCTURE RESILIENCE AGAINST BLACK SKY

State-sponsored cyber threats like Volt Typhoon are designed to quietly infiltrate and sabotage energy systems. **SARAHAI (Situational Awareness Response and Help AI)** by Tensor Networks leverages Predictive AI, patented Pattern of Life Analysis (PoLA), with Kernel Density Estimation (KDE) to detect anomalies early, automate response, and maintain system control—ensuring resilience against Black Sky scenarios.

KEY BENEFITS

▪ **Early Detection:** Identifies stealth infiltration in its earliest phase using AI-enhanced baselining and anomaly scoring.

▪ **Rapid Deployment:** Safe integration with SCADA (Supervisory Control and Data Acquisition) systems through passive, low-risk monitoring.

▪ **Automated Response:** Policy-based actions like micro-segmentation and credential revocation activate in real-time.

▪ **Reduced False Positives:** Combining multiple indicators—PoLA trends, KDE deviation, and time-based behaviors—SARAHAI improves signal-to-noise and helps teams focus on real threats, not alert clutter.

▪ **Compliance-Ready:** Satisfies NERC CIP standards with built-in workflows for anomaly detection, incident response, audit trails, and real-time documentation for regulatory confidence.

USE CASES

▪ **Grid Securtiy:** Detect and contain suspicious ICS (Industrial Control System) activity before sabotage occurs.

▪ **Defense Support:** Secure power supply to military and federal installations from foreign APT (Advanced Persistent Threat) campaigns—ensuring mission readiness, operations, and national resilience.

▪ **Black Sky Readiness:** Mitigate coordinated cyber-physical disruptions with automated containment and forensic visibility.

▪ **Operational Continuity:** Maintain system integrity and uptime during incidents. Even in the face of infiltration, control stays with human operators avoiding forced shutdowns.

Modern adversaries don't knock—they embed, wait, and strike when it hurts most. The difference between recovery and catastrophe is detection speed, system awareness, and the ability to act. **Strengthen your grid. Detect what others miss. Be Black Sky-ready.**
Contact: efrazier@tensornetworks.net | www.tensornetworks.com | (408)556-0685

Tensor Networks 440 N. Wolfe Rd. Sunnyvale, CA 94085
tensornetworks.com 408-556-0685