Public Sector

Public Safety Intelligence

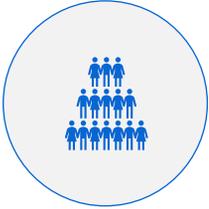Proactive Risk Detection for Law Enforcement

SAS | Nupeak

Law enforcement agencies today face mounting challenges—from large gatherings and protests to rising crime, misinformation, and resource constraints. Traditional methods relying on manual monitoring and reactive responses often fall short in ensuring public safety, preventing violence, and maintaining order. With AI- and analytics-driven intelligence, agencies can proactively detect risks, optimize resource deployment, and safeguard communities with transparency and precision.
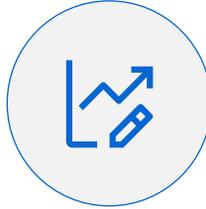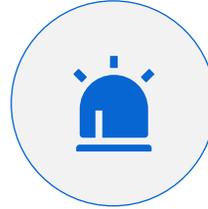
Challenges

| Unpredictable Crowd Behavior | Forces & Resource Allocation | Limited Real-time Visibility | Disinformation & Misinformation | Public Safety Risks |

Our Solution Offering

01
Crime Hotspot & Patrol Optimization
- Uses geo-analytics to detect recurring crime zones and movement clusters.
- Optimizes patrol routes and deployment schedules for faster response.

02
Crime Pattern & Forecast Analytics
- Applies AI models to identify repeat behaviors, timing patterns, and emerging risks.
- Predicts future hotspots and likely incidents for proactive policing.

03
Incident & Call Type Intelligence
- Classifies emergency calls by type, priority, and region for smarter dispatch.
- Analyzes response times and outcomes to enhance operational readiness.

Real-Time Crime Monitoring & Smart Resource Allocation
- Detects actions and anomalies from live CCTV feeds using computer vision.
- Dynamically allocates officers based on real-time threat level and location.
04

Crowd Dynamics & Event Safety Management
- Tracks crowd density and flow using Spatio-temporal analytics.
- Scores risks and recommends pre-emptive control measures for safe events.
05

Proactive Threat Intelligence
- Correlates data from multiple sources to identify early signs of organized crime.
- Automates threat scoring and alert triage for rapid preventive action.
06

Key Benefits

- Minimize risks of stampedes, clashes, and accidents.
- Detect early warning signs of unrest or crowd surges.

- Optimize deployment of law enforcement personnel.
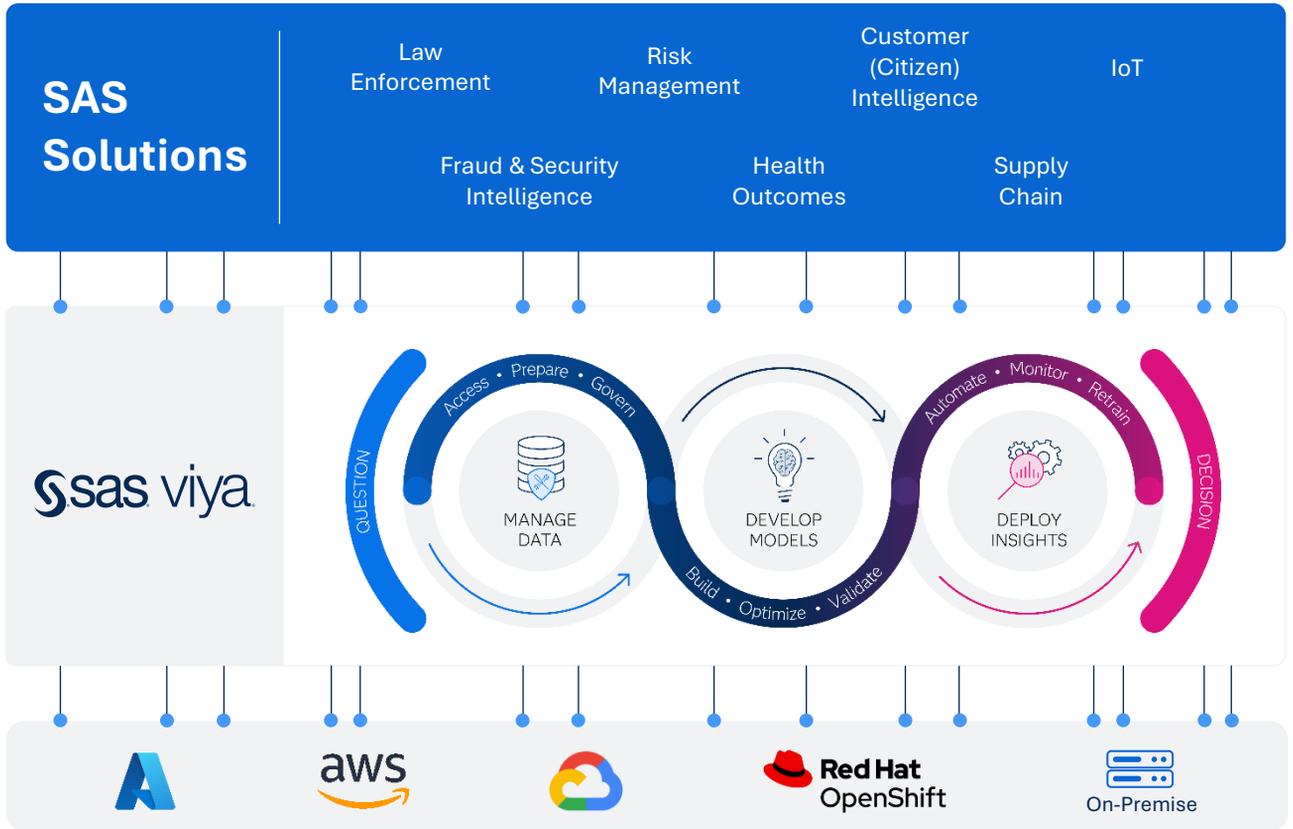- Lower operational costs through data-driven planning.

- Visualize crowd flow with heatmaps and geo-analytics.
- Integrate CCTV, drones, and traffic feeds into one command view.

- Generate audit trails for post-event analysis and learning.
- Provide transparent, evidence-based policing.

SAS Viya : Unified Data to Decision Platform

SAS

SAS Solutions

	Law Enforcement	Risk Management	Customer (Citizen) Intelligence	IoT
	Fraud & Security Intelligence	Health Outcomes	Supply Chain	

SAS viya

QUESTION
- Access • Prepare • Govern — **MANAGE DATA**
- Build • Optimize • Validate — **DEVELOP MODELS**
- Automate • Monitor • Retrain — **DEPLOY INSIGHTS**
DECISION

aws • Google Cloud • Red Hat OpenShift • On-Premise • Azure

AI Implementation across industries

Banking & Financial Services
- Enterprise **fraud detection** with AI
- Graph-based **AML compliance** intelligence
- **Early warning systems** with ML-Ops
- AI-enabled **capital and risk** forecasting

Insurance Analytics Offerings
- AI/ML-based **claims fraud detection**
- AI-led **dynamic underwriting** models
- Intelligent **Text and Image Analytics**
- SAS **Dynamic Actuarial Modeling (DAM)**

Pharma & Life Science Offerings
- **Golden Batch** optimization for yield consistency
- **Automated APQR** for faster regulatory reporting
- **SAS LSAF** integration for compliant R&D workflows
- **Clinical Research** excellence using SAS APro

Manufacturing Offerings
- **Process optimization** with AI models
- AI-led **inventory forecasting** systems
- Predictive **quality control** analytics
- **Autonomous planning** with ML-Ops pipelines

Public Sector Offerings
- **Tax and Revenue Compliance** to curb fraud and boost revenue
- Intelligent document processing using **GenAI**
- **Social Benefits** Program Integrity
- **Urban Mobility Intelligence**

Retail & Consumer Goods Offerings
- GenAI-powered **product recommendations**
- **Dynamic pricing** strategies using AI
- Customer **behavior prediction** models
- **Supply chain insights** using ESG aligned AI

Nupeak
AI - Expertise across industries