

SIYTE for Military Base Perimeter Security

AI-Powered Perimeter Security & Situational Awareness for Defence Sites

SIYTE is an AI-powered intelligence and operations platform that integrates CCTV, sensors, IoT devices and existing systems into a single unified operational picture. Deployed across UK Critical National Infrastructure and with prior MOD delivery experience, SIYTE brings a proven, hardware-agnostic intelligence layer to military base perimeter security.

SIYTE is UK-sovereign technology, containing no ITAR-restricted or other export-controlled components, and is privacy-by-design and model-agnostic - giving defence customers the freedom to select best-of-breed sensors, cameras and counter-UAS systems on a per-site basis without vendor lock-in.

From validating a machine vision detection against complementary models to initiating a Guardian agent for deeper analysis - SIYTE provides the real-time awareness commanders need to protect the perimeter and respond with confidence.

The Benefits of SIYTE in Military Base Perimeter Security

Unify Every Sensor & System

- Ingest data from fixed, PTZ, thermal and long-range electro-optical cameras - smart or legacy - via open APIs, with legacy CCTV streams analysed on edge compute running SIYTE's machine vision software.
- Integrate detection sensors including ground surveillance radar, drone detection systems, LIDAR, fence intrusion detection and acoustic and passive RF sensors.
- Connect specialist platforms - including fibre optic acoustic sensing, building management systems and counter-UAS software - through standard open APIs, with new data sources added on request.

Detect Threats Earlier

- Correlate detections across sensor types in real time, validating machine vision inferences against complementary models to reduce false alerts.
- Initiate AI Guardian agents for proactive, in-depth analysis of loitering or suspicious behaviour before a perimeter breach occurs.
- Automatically distinguish authorised personnel and uniforms from genuine threats before generating an alert.

Automate the Response

- Trigger automated alerting via SAPIENT, TAK, SMS or third-party systems as soon as a threat is confirmed.
- Cue sensors automatically - for example, a vibration detection instructs a PTZ camera to pan, tilt and zoom to the location for classification.
- Query the operating environment in plain language via SIYTE AI, for example “show me all unattended vehicles in Sector 3 in the last hour.”

Air Domain Awareness & Counter-UAS

SIYTE supports detection and tracking of NATO Class 1 unmanned aerial systems through integration with specialist counter-UAS technologies, including:

- Drone detection radar systems
- RF detection sensors
- Electro-optical tracking systems
- Acoustic detection technologies
- Unmanned Traffic Management (UTM) integration, to distinguish authorised from unauthorised drone activity
- Correlation of air domain and ground-based sensor data into a single unified operational picture

Why choose SIYTE?

SIYTE is a UK-sovereign, open intelligence platform for defence and critical national infrastructure - giving customers freedom to select best-of-breed sensors and cameras on a per-site basis without vendor lock-in.

- UK-sovereign technology, with no ITAR-restricted or other export-controlled components.
- Proven MOD delivery experience, demonstrating AI-enabled surveillance, edge analytics and threat detection within representative military environments.
- Deployed across UK Critical National Infrastructure, including with the Royal Air Force, Network Rail and British Transport Police.
- Accredited to ISO 9001, ISO 14001, ISO 27001 and ISO 42001, with data storage available in UK-sovereign cloud or on-premise and edge deployment.