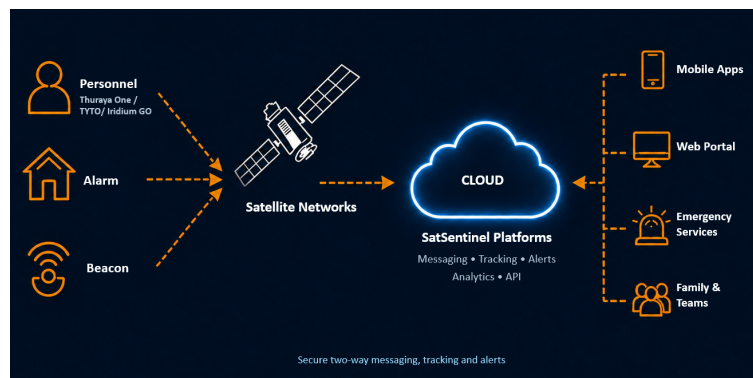


SatSentinel Platform — Technical Overview

A unified cloud designed for constrained communications, from satellite-ready endpoints to the people and systems that act.

ARCHITECTURE IN FOUR LAYERS

- Field devices — personnel devices, alarm sensors and hub, ACN vehicle hardware and future monitoring sensors.
- Satellite connectivity — Iridium, Thuraya and other approved networks, with LEO pathways on the roadmap.
- SatSentinel Cloud — event ingest and normalisation, rules, alerts, tracking, messaging, maps, dashboards, APIs and audit logs.
- Users and systems — mobile apps, web portal, operations and control rooms, response partners, customer platforms, fleet and OEM systems.



PLATFORM MODULES

- Rules engine — customer-configurable classification, filtering, escalation and routing.
- Alert routing — alerts to users, teams, control rooms, security providers or nominated responders.
- Maps and tracking — position history, geofences, journey playback and map-based operational views.
- Messaging — two-way messaging via supported satellite devices, mobile apps and the web portal.
- Dashboards — operational views for events, devices, sites, vehicles and assets.
- Device and system health — battery, signal, delivery latency and service health per device and site.
- Audit logs — immutable event history and operator audit trail for compliance and review.

DESIGNED FOR CONSTRAINED COMMUNICATIONS

Satellite links are not the internet. SatSentinel is deliberately built around event-led workflows, low-bandwidth payloads and near-real-time delivery rather than attempting to reproduce broadband connectivity over satellite: event-based rather than continuous streaming, payload optimisation and message compression, delivery-latency reporting per device and event, scheduled updates and threshold-based reporting, and store-and-forward where devices support it.

Specifications, coverage, device compatibility and integration options are confirmed during scoping. SatSentinel does not operate an emergency response service; alerts are routed to the control rooms, security providers or responders you nominate.