



WinVibe

INTELLIGENT COMMUNICATION MANAGEMENT

One command centre for every site you cannot stand next to.

WinVibe designs, builds, and operates intelligent site management that combines multi-layer physical security, AI surveillance, autonomous drone inspection, and IoT infrastructure monitoring — turning scattered, unwatched communication sites into a secure, predictively maintained network.



OVERVIEW

When your most exposed assets are the least watched.

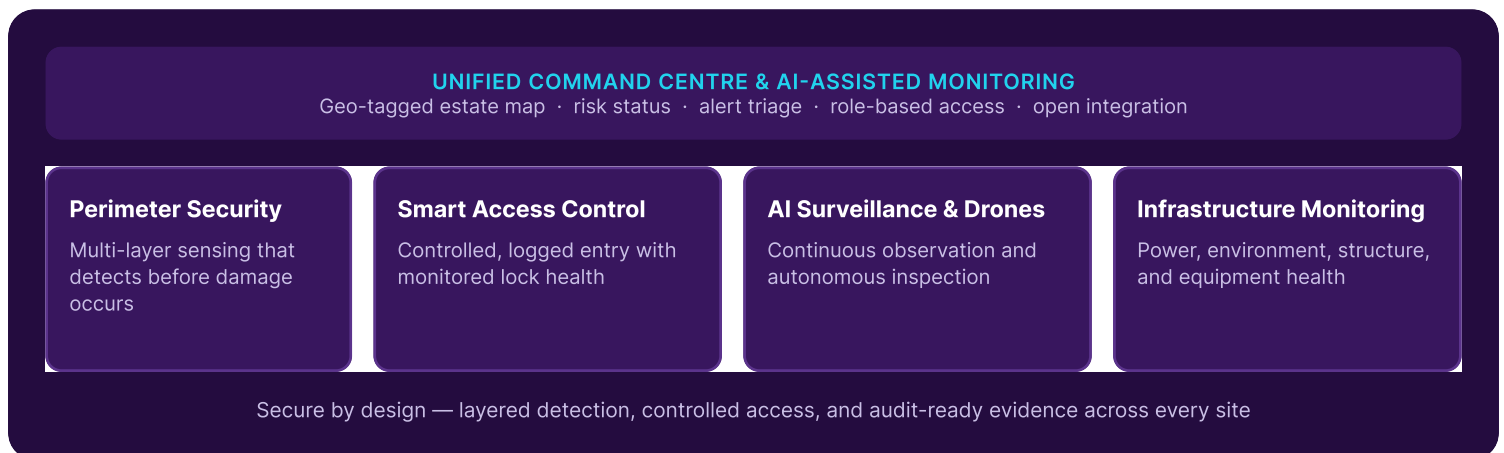
Communication infrastructure is distributed by design. Towers, shelters, rooftop sites, and remote nodes sit far from the operations centre — often unmanned, minimally secured, and inspected on a schedule driven more by travel cost than by risk.

That leaves operators exposed on two fronts at once. Intrusion, equipment theft, fuel siphoning, and tampering drain capital and cause outages. At the same time, generators, batteries, and structures degrade quietly until a site goes off air.

Intelligent Communication Management closes both gaps from one place. Multi-layer sensing, AI-driven surveillance, and IoT monitoring feed a single command centre — turning scattered, unwatched sites into a secure, optimized, predictively maintained network.

SOLUTION ARCHITECTURE

Four capabilities, unified into one environment.



INDUSTRIES WE SERVE

Telecom & Infrastructure

Energy & Utilities

Defence

Mining

Government & Public Sector

Manufacturing & Distribution



SOLUTION COMPONENTS

Four integrated pillars working as one.

Each capability is a full system in its own right — together they deliver shared visibility, faster response, and stronger control across every site in the estate.

Perimeter Security & Intrusion Detection

Multi-layer detection before anyone reaches the equipment.

Multi-layer fencing — inner smart-detection layer using vibration, pressure, and optical sensors, with an outer passive alarm layer.

Advanced sensing — ground and roof radar, ultrasonic, and thermal detection for continuous night-time perimeter monitoring.

Early discrimination — separates genuine intrusion from wildlife and weather, so alerts stay credible and operators stay responsive.

Smart Access Control

Controlled, logged, and monitored entry at every site.

Secure entry — biometric and smart-card readers with tamper-proof smart locks reporting real-time status.

Visitor management — dynamic session keys with geofencing and time limits, and complete entry and exit logging.

Lock health monitoring — mechanical and firmware faults flagged before they become access failures.

AI Surveillance & Autonomous Inspection

Continuous observation without continuous site visits.

AI video — PTZ HD cameras with edge-AI detection of humans, vehicles, and livestock, and facial recognition for authorized personnel.

Behavioral analytics — alerts on loitering, abnormal height changes, and package drops rather than on raw motion.

Drone patrol — auto-dispatched and scheduled sweeps carrying thermal, LiDAR, and gas-detection payloads, with autonomous docking.

Infrastructure Monitoring & Command Intelligence

The estate managed as one system rather than many sites.

IoT sensing — temperature, humidity, vibration, smoke, and gas monitoring, with generator fuel, battery charge, and solar output tracked continuously.

Structural integrity — tilt, corrosion, and foundation stress detected between physical inspections.

Command centre — geo-tagged site map with colour-coded risk status, alert triage, automated ticketing, and AI-driven predictive retasking of idle assets.

WHY WINVIBE

Site intelligence expertise that goes beyond installation.



Security and Infrastructure in One System

Most vendors sell either site security or asset monitoring. We deliver both on one command platform.



AI-Driven Detection

Edge-AI analytics distinguish real events from wildlife, weather, and routine activity.



Autonomous Inspection

Drone patrol replaces travel-driven inspection schedules, cutting cost while increasing coverage.



Predictive Rather Than Reactive

Equipment health and structural monitoring surface failures before they take a site off air.



Asset Intelligence

Utilization analytics turn a cost centre into a portfolio you can rationalize with evidence.



Solution Lifecycle Partnership

Design, deployment, integration, and 24x7 managed operations from one accountable team.

Ready to bring your distributed sites under one view?

Whether you are securing a national tower estate, protecting critical communication nodes, or replacing scheduled inspection with continuous monitoring, our experts are ready to understand your requirements and recommend the right solution.

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