



VIGILATE

www.vigilatevision.com

V-SUITE



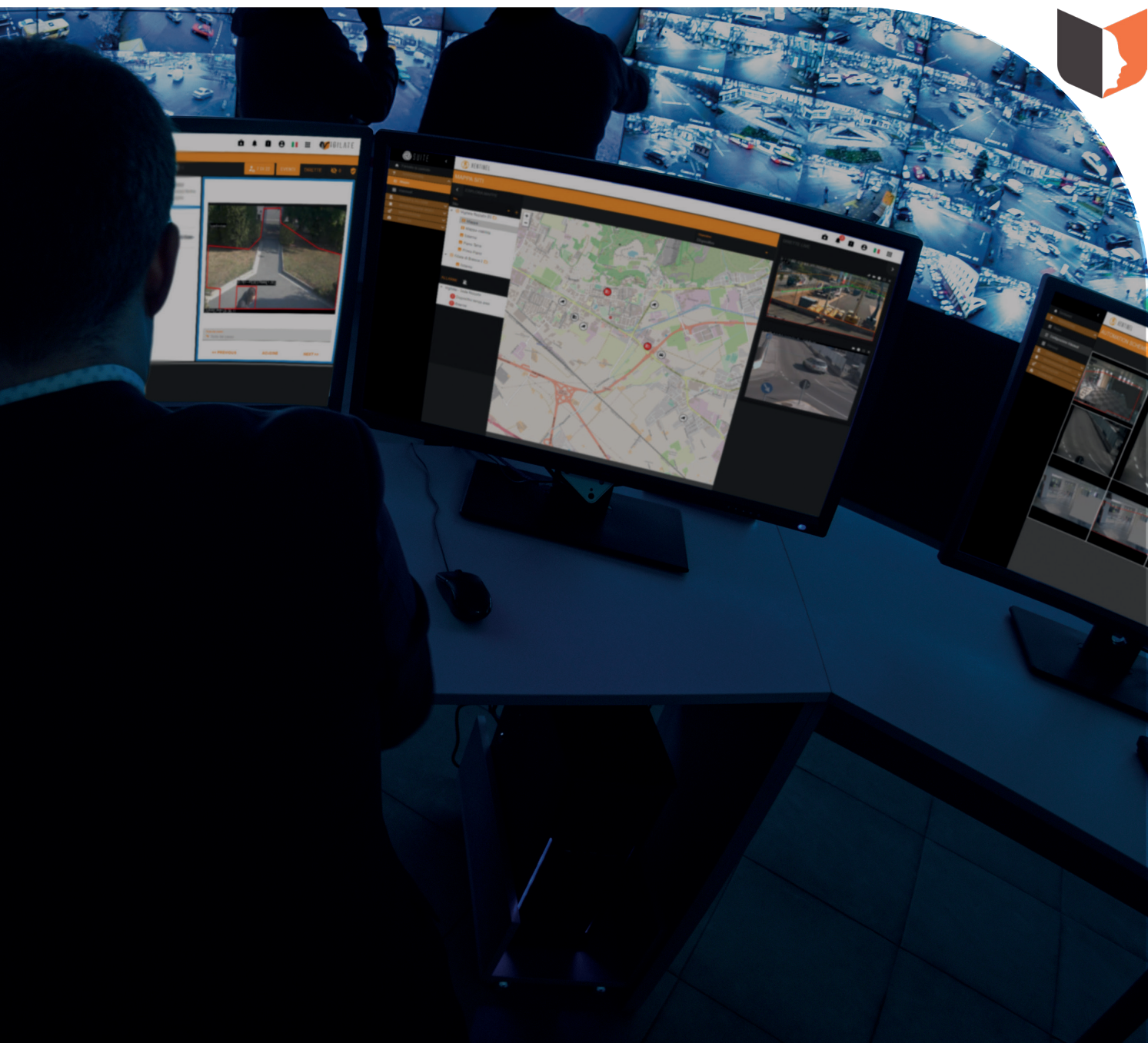
The universal platform
for the world of security,
traffic management, and
smart buildings.



Manage all systems with the support of artificial intelligence

The advantages of using a Suite instead of single programs

V-SUITE is an effective and reliable tool in security and traffic management but also a sharing tool, a unique environment where traffic information can become useful for an anti-intrusion system, where diagnostic data can become a security indicator and where all the information generated can be consulted and analysed together in order to make operational decisions.



Main features

- Manage all your installed security and traffic equipment in a single interface
- Supervise your security systems
- Supervise your customers' systems to offer new control, management or maintenance services.
- Centralize remote control (including CCTV) of your customers' systems to increase the quality of service.
- Web-cloud platform immediately available and interoperable for all police forces and for all operators accredited for integrated safety management. Possibility of offering data and images to other platforms (total scalability).

A complete platform of applications and tools to control and analyze your security and traffic systems

A complete range of applications dedicated to Security and Traffic professional management; business and consumer software to enable partners in the sector to better manage and control its products and provide new services to its customers.



General utilities

CONSOLE

Management of users, rights, licenses, and assets

ANALYTICS

Desktop dashboards and data reports with graphs and tables

DIAGNOSTIC

Diagnostic data dashboard of installed enabled devices

AUTOMATION

Automation generator for various types of events

CONFIGURATOR

Remote configuration of connected devices enabled for the service

TICKETING

Ticket, reporting, and workflow management

ASSET MANAGER

Enterprise asset management: asset inventory, monitoring, and maintenance



Security management and access control

XENTINEL

Security system manager

XENTRY

Access management system



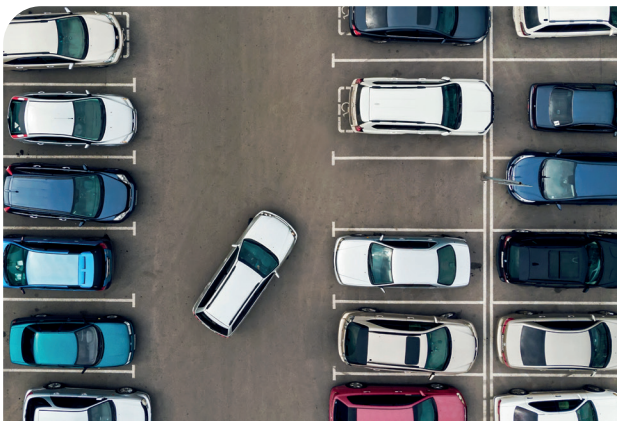
Traffic management and road security

ITS MANAGER

Professional traffic information manager

XSCANNER

Road security with searches and list management



Professional road section management software

XPARK

XPARK, the software for the intelligent and centralized management of parking – private or paid

Who is it aimed at?



Private security

- Companies
- Industries
- Housing complexes
- Banks
- Retail
- Franchising



Public security

- Airports
- Railway facilities
- Border controls
- Military bases
- National security
- Check points
- Private surveillance
- Law enforcement

Features

Multifunction

- Sanctions
- Territorial control
- Investigation
- Statistical

Multouser

- Local police
- Local administrators
- Technical offices
- Provincial structures
- Regional structures
- Ministries
- Police

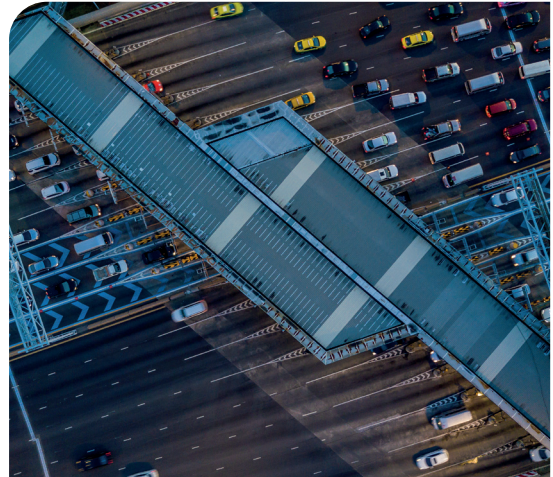
Interconnected

- Ania
- SCNTT
- ENIT
- Ministry of Transport



Integration partners

Software house
Data analysis centers
Integration with third-party platforms



ITS systems

National traffic controls
Border controls **Tolls**
Parking
Access controls
Free-flow systems
Intelligent road systems
Local police and law enforcement agencies

Big data ready

- **Mongo DB**
- **SQL**
- **SQL Server**
- **Excel**
- **Oracle**
- **Xml**

Certified safety

- **ISO/IEC 27001:2022**
- **ISO/IEC 27017:2015**
- **ISO/IEC 27018:2019**
- **ISO 9001:2015**
- **UNI CEI EN 50518 compliant**
- **GDPR compliant**
- **ACN Market Place compliant**

Integrated and integrable

- **Kireti**
- **centrax-SM**
- **Avigilon**
- **Milestone**
- **Openware**
- **Omnia**

VIGILATE ARCHITECTURE

Integrated ecosystem for security, smart building, and traffic

This diagram illustrates the architecture of Vigilate's software and hardware ecosystem, highlighting the interoperability between devices, software services, vertical application modules, and third-party solutions. Here's a detailed analysis:

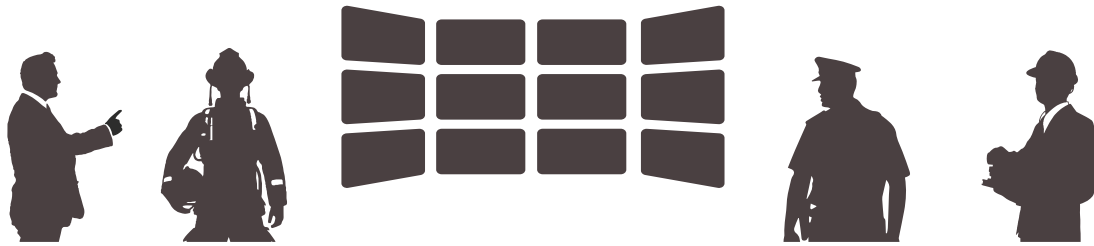
The suite in the Control Rooms

The Vigilate platform is the operational core of control rooms, where business operators, law enforcement agencies, and emergency services such as fire departments manage security, flows, and alarms in real time.

Through a single interface, users can monitor events, receive intelligent notifications, coordinate interventions,

and access historical data for analysis and investigations. The suite transforms complex information into quick decisions and concrete actions, enhancing security, operational continuity, and response speed.





CONTROL ROOM FRONT END - CENTRALIZED, MULTIFUNCTIONAL AND MULTI-SECTOR CONTROL

UTILITY APP

VIGILATE VERTICAL APP

THIRD-PARTY VERTICAL APP

ADMIN CONSOLE

DIAGNOSTIC ANALYTICS

AUTOMATION CONFIGURATOR

XENTINEL

XWALL

XSCANNER

MULTI MANAGER

XSPARK

OPERATION CENTER

XENTRY

ITS

ASSET MANAGER

TICKETING

The Vigilate platform seamlessly integrates with major international systems for video management, access control, and critical infrastructure supervision – a testament to its reliability and ability to interact effortlessly with world-class enterprise solutions.

API REST LAYER - FOR PROPRIETARY FRONTENDS OR THIRD-PARTY APPLICATIONS

V-SUITE platform framework

USER AUTHENTICATION

mongoDB

Microsoft SQL Server

MEDIA VIDEO SERVER

FIELD INTERFACE PROTOCOLS - NORMALIZED DATA ARE STORED IN A CENTRALIZED BIG DATA SYSTEM

VIGILATE PRODUCTS

THIRD-PARTY PRODUCTS SYSTEMS

INTEGRATED THROUGH VIGILATE'S ON-FIELD EDGE DEVICE



LICENSE PLATE RECOGNITION CAMERA



FIELD DEVICES AND SYSTEMS - WE USE BOTH VIGILATE PRODUCTS AND THIRD-PARTY SOLUTIONS



Field device architecture for security and traffic systems



V-SUITE directly supports the entire range of Vigilate products including: V-ENGINE AI and V-ENGINE CORE AI intelligent NVR line, the complete range of license plate reading products, the latest generation Radar/Camera devices. Through the V-ENGINE AI and V-ENGINE CORE AI integration software, a lot of devices from other vendors can be connected to V-SUITE. The most advanced system integrators can integrate additional devices by relying directly on the API-REST calls that Vigilate offers to external developers.

Field device architecture for **security** systems

Security & Integrated Safety

In the domain of physical security and monitoring, we offer devices and systems based on proprietary solutions for:

- **Advanced video surveillance and AI-driven video analytics**, including behavioural recognition and anomaly detection
- **Integration with alarm and perimeter protection systems**
- **Integration with access control systems**
- **Integration and supervision of third-party systems** for fire detection and alarm control panels
- **Edge computing for field-deployed devices**, enabling data filtering and processing directly on peripheral devices (reducing bandwidth costs and latency)
- **Seamless integration with existing IT infrastructures**, ensuring a high level of interoperability
- **Tailor-made, turnkey solutions** for corporate buildings, management centers, and high-security installations

Our security solutions are designed to combine performance, reliability, and integration capability, ensuring total control over the system.

V-SUITE Platform Security Applications



XENTINEL

CCTV and
Physical Security
Management



XENTRY

Access Control
Management



XOC

Supervision and
Remote Control



XWALL

Control Room
Videowall



RONDA

Mobile App for
Patrol Services

V-SUITE



V-ENGINE AI



V-ENGINE CORE AI

NORMALIZED DATA TRANSMISSION

DVR
NVR
VMS

ALARM
MONITORING
CENTER

PERIMETER
DETECTION
SENSORS



ACCESS
CONTROL

FIRE
SMOKE
IoT



INTELLIGENT EDGE TECHNOLOGY



FIELD DEVICES COMMUNICATION

Field device architecture for traffic systems

Traffic – ANPR and Monitoring

A wide range of products for traffic and vehicle control:

- **High-performance license plate readers (V-LANE)**, capable of operating even in challenging environmental conditions
- **V-RSU, the Road Side Units with CV2X** (Cellular Vehicle-to-Everything) and **DSRC** (Dedicated Short Range Communications) **technologies**.
V-RSU enable autonomous driving through intelligent communication between vehicles and infrastructure, improving safety, prevention, and urban traffic management.
- **ITS (Intelligent Traffic System) functions:** travel-time calculation, speed monitoring, congestion detection, and critical situation alerts
- **Access control for parking areas** and private zones
- Modular design for integration with additional sensors and devices (e.g., gates, barriers)
- Support for integration with third-party systems and native interoperability

With Vigilate, road operators and local authorities can gain full visibility over traffic, improve safety, and plan smarter interventions.

Traffic applications of the V-SUITE supervision platform



V-SUITE



V-ENGINE CORE AI

V-ENGINE AI

V-LANE
Mobile

V-LANE

V-LANE HP

NORMALIZED DATA TRANSMISSION

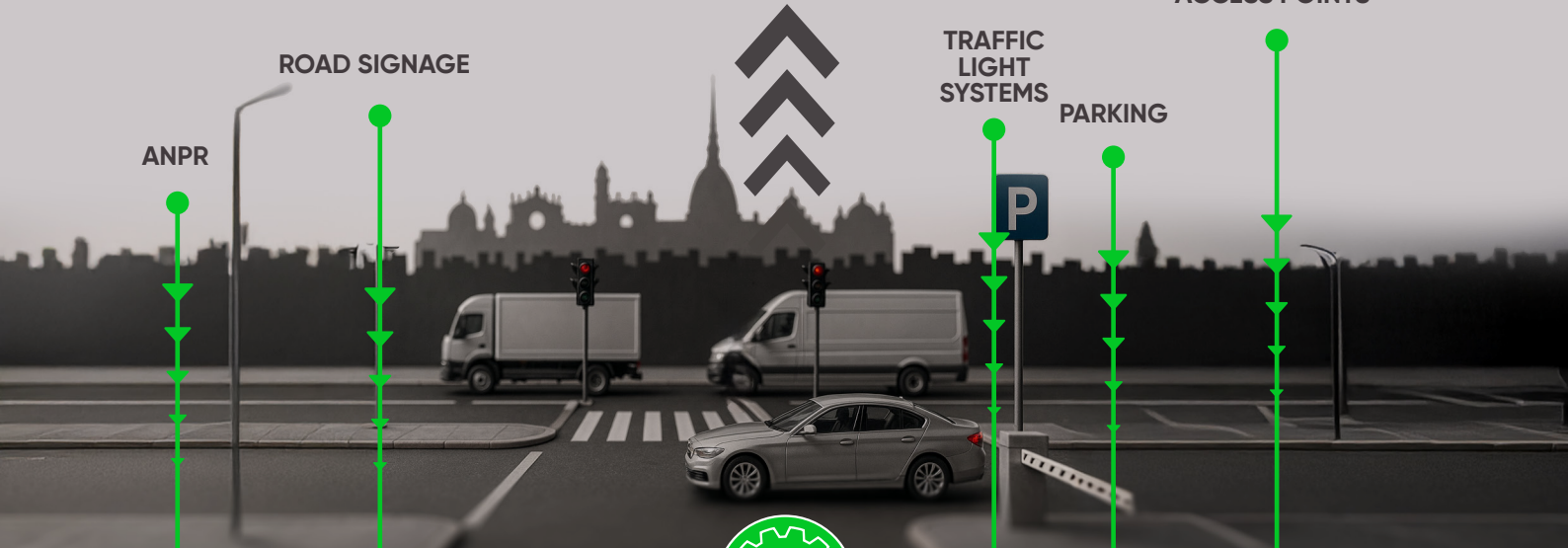
ACCESS POINTS

ROAD SIGNAGE

ANPR

TRAFFIC LIGHT SYSTEMS

PARKING

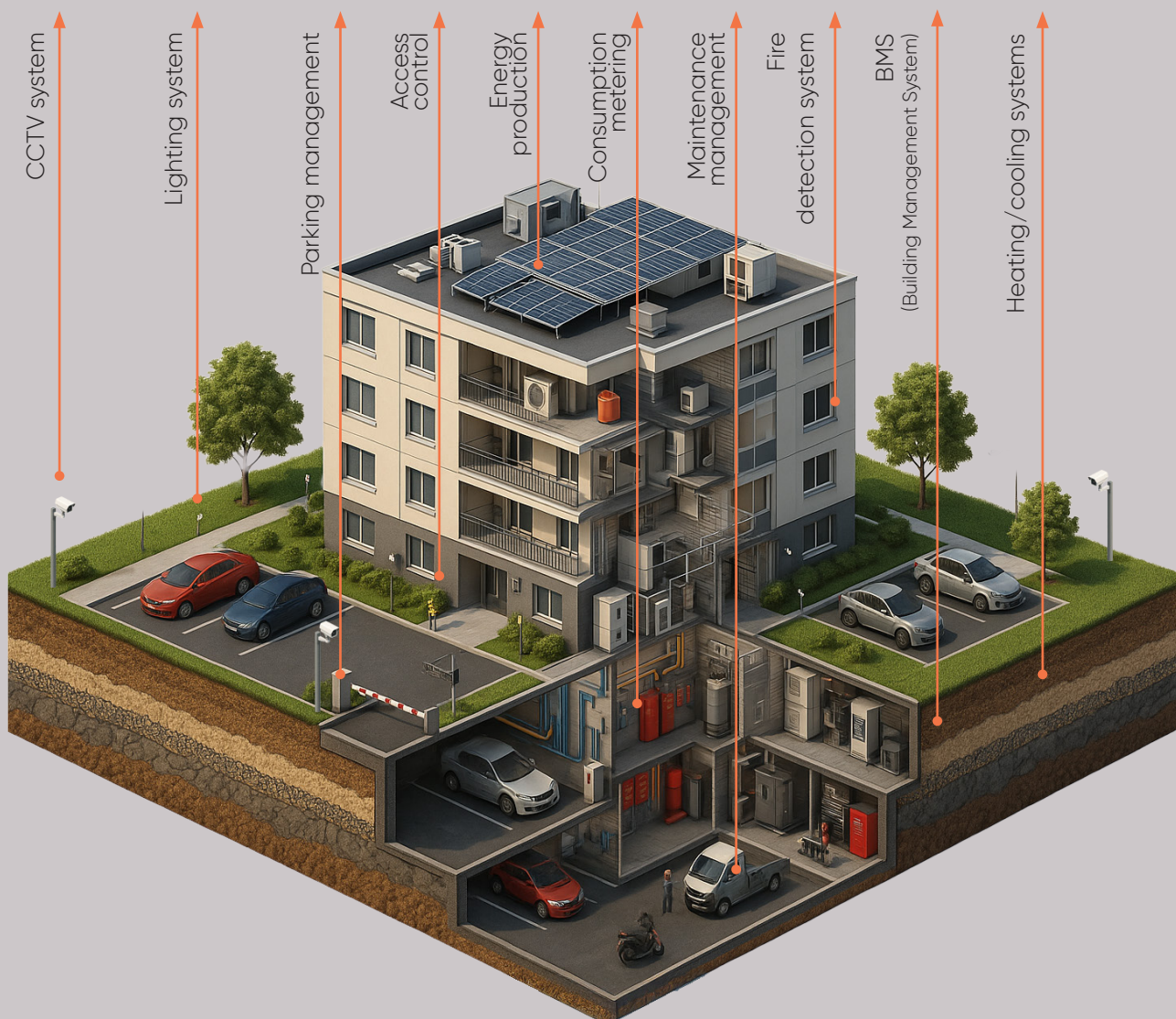


INTELLIGENT EDGE TECHNOLOGY



FIELD DEVICES COMMUNICATION

Field device architecture for smart building systems



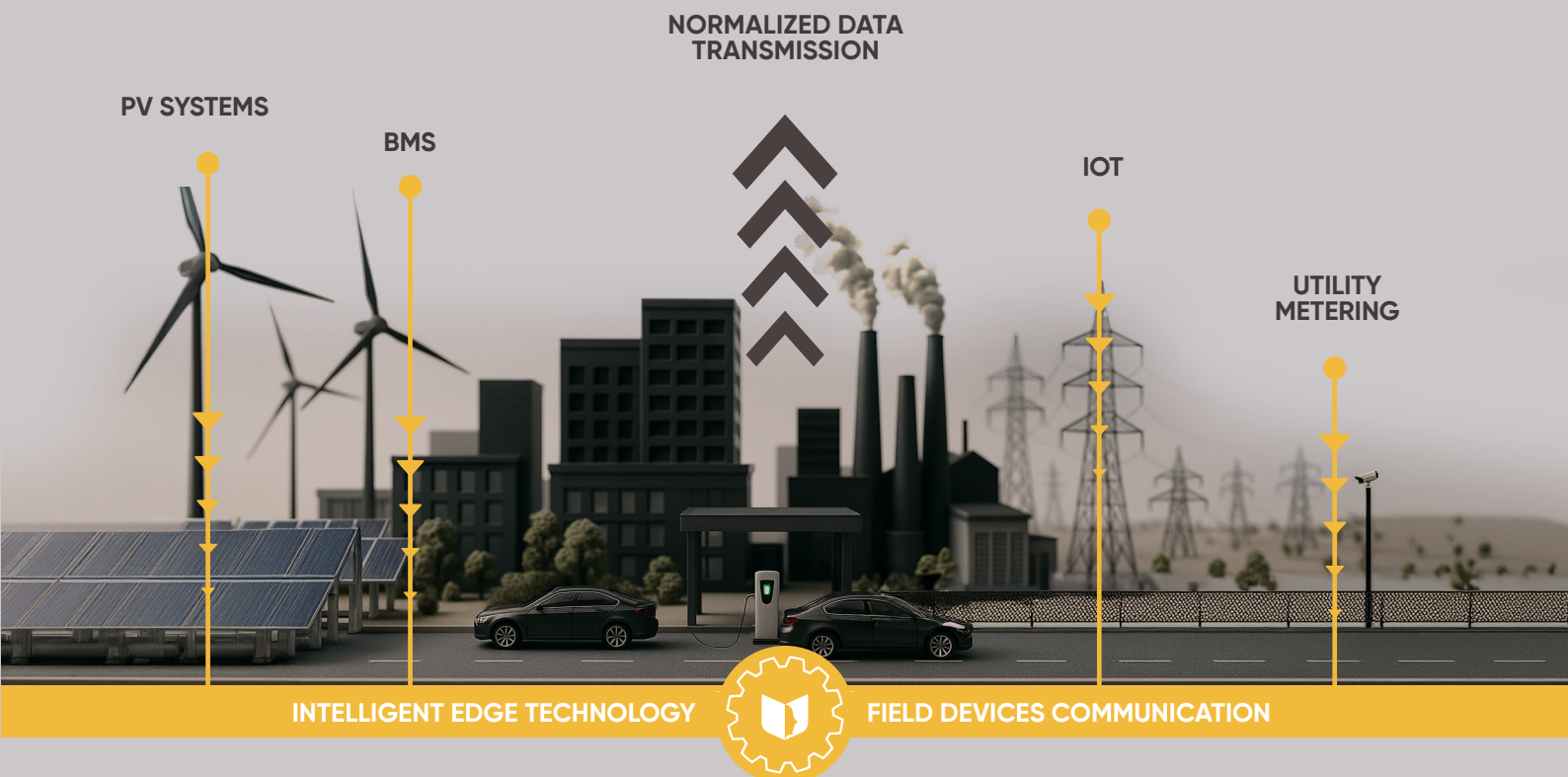
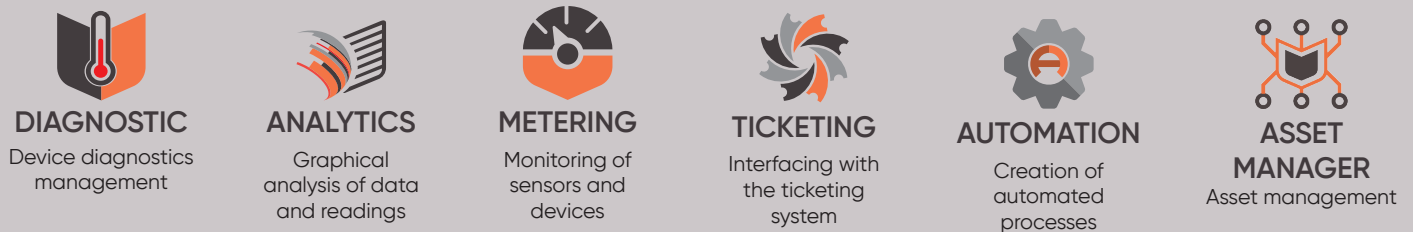



Smart Building & Intelligent Facility Management

In the context of space digitalization, we offer modular technologies and platforms for intelligent building control, with solutions designed for:

- **Devices and software for security management** and access control for both people and vehicles
- **Automation** of electrical, HVAC, lighting, and energy control systems
- **Integration with BMS system** (Building Management System) and centralized supervision
- **Multi-level access control** and integrated attendance management
- **Video analytics** for security and intrusion detection, people flow monitoring, and space optimization
- **Environmental monitoring** (air, temperature, humidity, CO2) and anomaly detection
- **Edge computing** for local data processing and latency reduction
- **Native integration with IT and IoT infrastructures**, ensuring full interoperability
- **Scalable, turnkey solutions** for offices, corporate campuses, healthcare facilities, retail spaces, and industrial sites
- **Management of maintenance schedules and supplier contracts**

V-SUITE supervision software for smart buildings





Framework iPaaS V-SUITE

V-SUITE is equipped with a very solid backend architecture, the result of years of experience.

The continuous analysis and research of increasingly high performance systems has led us to the creation of a strong base on which to rest latest generation applications. The large amount of data to be archived and analysed has made us choose increasingly cutting-edge database technologies, relational and otherwise, currently adopted even by the most prestigious and widespread social networks.



Communication towards the field and applications



Interfacing field protocols



Microservices API - Rest

Profiling and authentication

V-SUITE is composed by numerous applications and features that obviously cannot be at the mercy of every user; therefore it was necessary to develop an advanced profiling and authentication system and in full compliance with security and privacy regulations, single sign on.

Big Data with Mongo DB

The large amount of data acquired by field devices cannot be managed except with advanced database systems. Access and processing times are certainly vital in the management of BIG DATA and for this reason Vigilante has decided to implement a technological approach that has no data management limits with the use of non-relational databases.

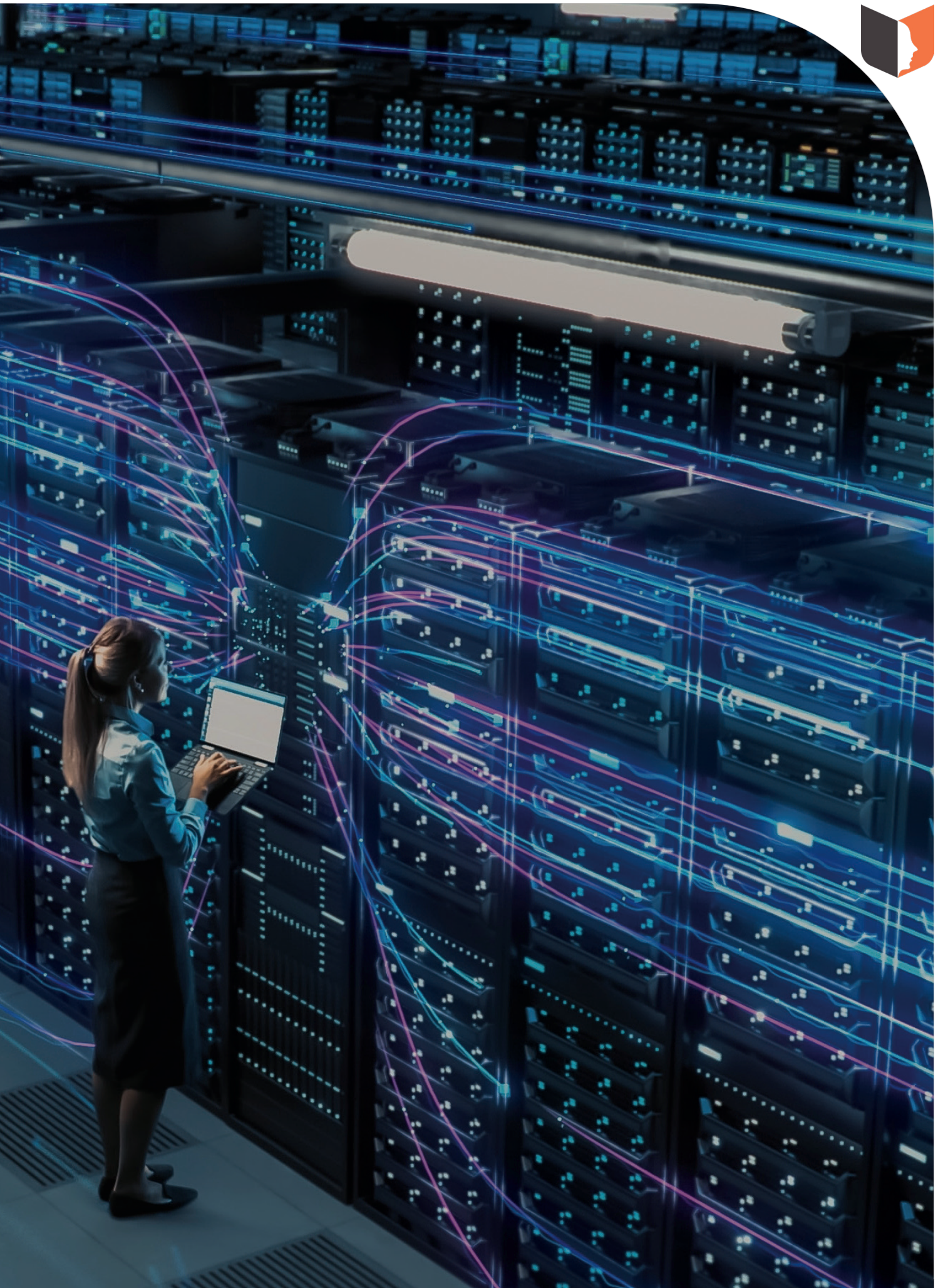
Fast video distribution

There is no security without video control and there is no efficiency without a rapid and controlled system for viewing and immediately sharing videos. To this end, the V-SUITE framework hosts a dedicated video media server that allows rapid viewing of videos and images.



Software Applications

V-SUITE modules





XSCANNER

The software for the management and supervision of traffic systems: a complete and effective tool for monitoring urban, extra-urban, and Smart Cities' road infrastructures.



XENTINEL

The integrated security software, modern, scalable, cloud, able to manage homogeneously and easily the devices and systems that make up the modern security infrastructures such as video surveillance, anti-intrusion systems, access control, fire protection systems, etc ...



XWALL

Vigilate's smart video wall is automatic, predictive, intelligent and ideal for small, medium and large control centers



XPARK

XPARK is the intelligent, centralized parking management software for private or paid-access lots, based on ANPR (Automatic Number Plate Recognition) technology. Designed for businesses, public institutions, healthcare facilities, hotels, and logistics operators, it offers advanced and scalable control of vehicle flows, with seamless integration into payment systems, parking meters, and enforcement platforms.



ANALYTICS

Data processing software that analyses data coming from both the safety and traffic sub-systems connected to the V-SUITE. The reports are available in graphical and tabular form. Data can be exported to third-party applications in various formats. This service is mainly aimed at the strategic decision-makers who need a clear and detailed vision of the operational scenarios.



AUTOMATION

The software allowing the creation of automatic processes when predetermined events occur. A graphical editor allows drawing a flowchart describing events and the automatic actions to be performed.



CONSOLE

The V-SUITE Administration console, managing those settings common to all applications such as user and license rights management and system logs.



XENTRY

The software for access control management – maximum security and easy administration across all corporate environments. User management, multi-site control, event monitoring, alarm handling, notifications, and advanced reporting.



ITS MANAGER

The software module for traffic management of large road infrastructures such as motorways, major communication routes, Smart Roads and Smart Cities.



ASSET MANAGER

Asset Management Module:
Inventory, monitoring, and maintenance of corporate assets.



DIAGNOSTIC

Your diagnostics dashboard to monitor the operational status of your installed device fleet. The V-DIAGNOSTICS service keeps you constantly informed about device performance and allows you to act quickly in case of technical issues or malfunctions.



MULTIMANAGER

For customers directly involved in managing traffic and security systems, V-SUITE offers a tool to remotely manage V-SUITE platforms installed at their clients' sites, including in B2B scenarios.



TICKETING

Module for ticket, incident reporting, and workflow management



XENTINEL OPERATION CENTER

Professional module for remote security management. Control room software designed for security firms and large-scale operations centers.

Vigilate is a tech company specialized in embedded technologies, software platforms, and artificial intelligence, transforming technological infrastructures into intelligent ecosystems.



Traffic



Security



Building

Vigilate is a tech company that develops devices and software platforms for security, traffic management, and the emerging frontiers of Smart Cities and Smart Buildings.

Certifications

EN ISO 9001 :2015
ISO/IEC 27001:2022
ISO/IEC 27017:2015
ISO/IEC 27018:2019
ISDP©10003:2020 (Traffic products)
ACN



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