IOT MATRIX

PRODUCT CATALOGUE

ALEF IoT Platform

IOT MATRIX

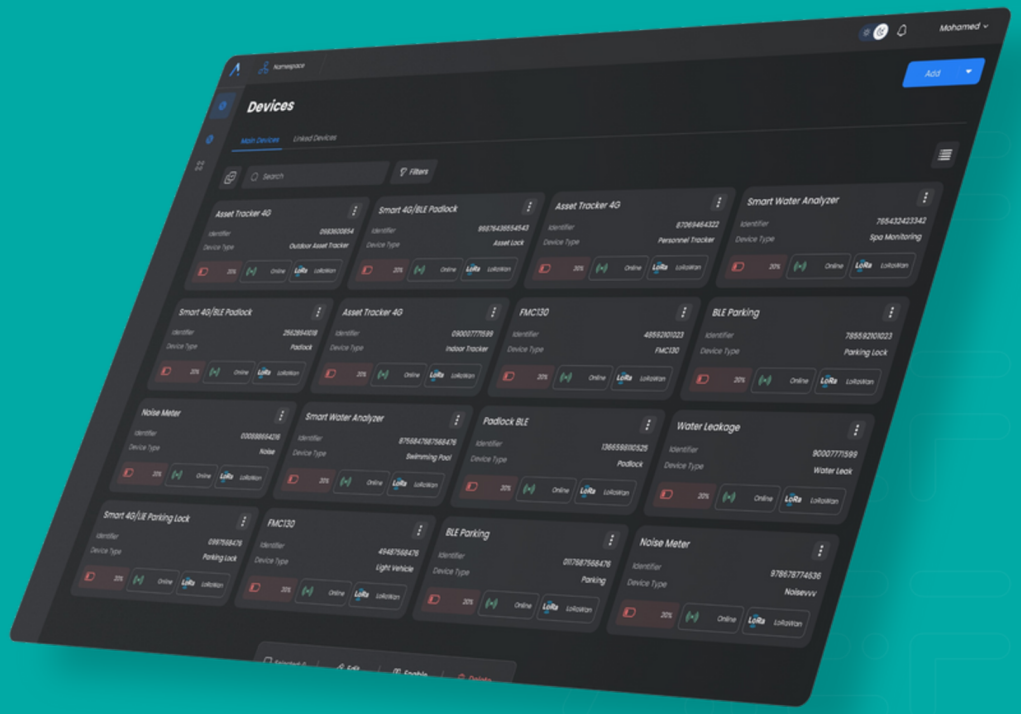
Crafted by IOT Matrix, is more than a mere upgrade from the IOT MatrixIoT Solutions Platform; it's a significant evolution. ALEF serves as a comprehensive ecosystem that revolutionizesthe way organizationsapproach IoT.

Device & Connectivity Management

Centralized Management
All IoT Devices across applications managed from a single place.

Seamless Connectivity
Easily connect devices using different protocols.

Bulk Device Integration
Quickly add multiple devices at once to save time and resources.



Choose Your Preferred Deployment Method:

Cloud
Scale effortlessly, access from anywhere, and benefit from robust security without the hardware costs.

On-Premise
Maintain complete data control, experience low latency, and customize security for compliance needs.

Hybrid
Enjoy the scalability of cloud and control of your data on-premise.

AIEF IoT Platform

IOT MATRIX

Asset Management

Seamlessly monitor a diverse range of assets and streamline asset management across various applications.

Wide Asset Focus
Manages diverse assets, from facilities & machinery to human r esour ces.

Centralized Control
A unified space for managing all assets, linked to relevant applications for monitoring.

User-Centric Design
Streamlines asset management for efficiency & enhanced user exper i ence.

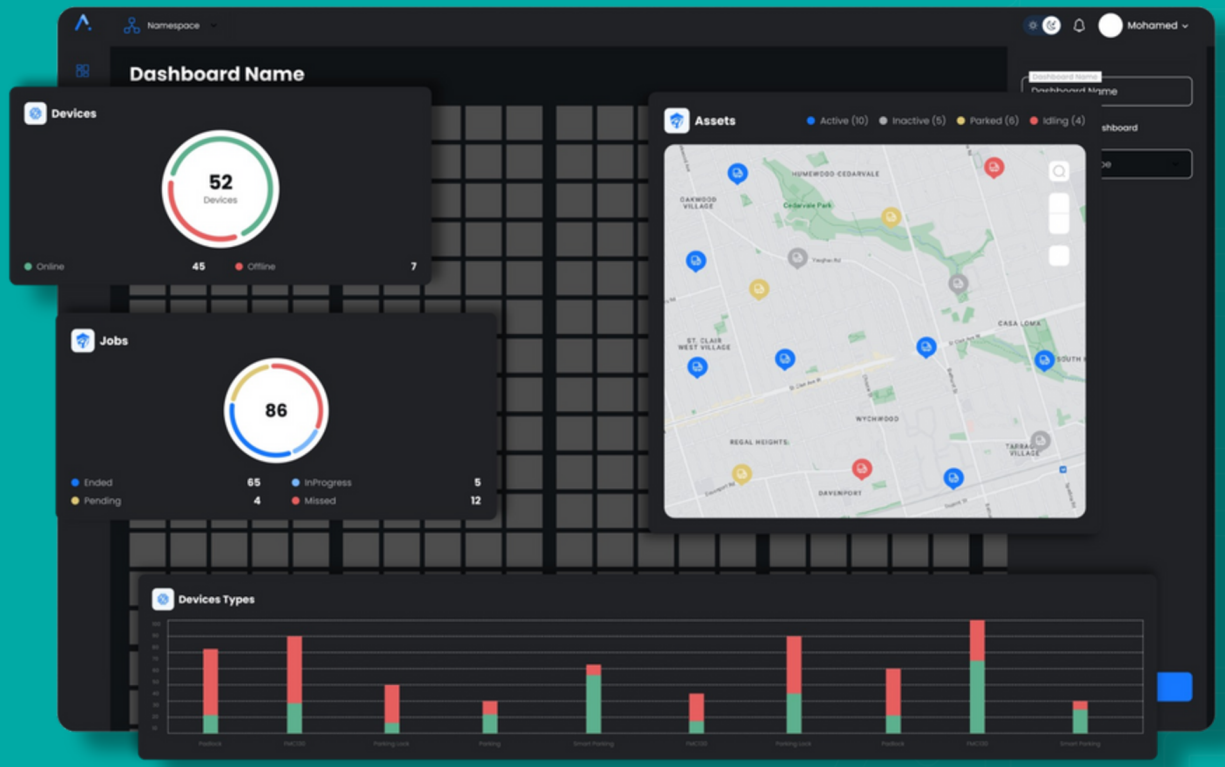
Dashboard Builder

Offers unparalleled customization of diverse widgets from across the platform for a tailored user experience.

Tailor-Made
Choose from a range of widgets to suit your analytical needs.

Insightful
Turn complex data into understandable and actionable insights.

One Dashboard
Combine data from different applications in a single view.



VitalSense

IoT MATRIX

Empower your facility with VitalSense ,an advanced IoT solution revolutionizing facility and asset monitoring. With state-of-the-art technology and real-time data analysis, VitalSenseprovides unparalleled visibility and empowers you to make informed decisions.

- *Enhanced operational efficiency*
- *Extend asset lifetime*
- *Reduce facility management costs*

Solutions Included:

Water Monitoring

- Swimming Pool Monitoring
- Water Tank Monitoring
- Spa Monitoring
- Water Pressure Monitoring

Air Quality Monitoring

- Indoor Air Quality Monitoring
- Outdoor Air Quality Monitoring
- Odour Monitoring
- Air Pressure Monitoring

Asset Monitoring

- Cold Storage Monitoring
- Noise Monitoring
- Agriculture Monitoring
- Level Monitoring
- Industrial Assets Monitoring
- Water Leakage Detection
- Smoke & Fire Detection
- Gas Detection

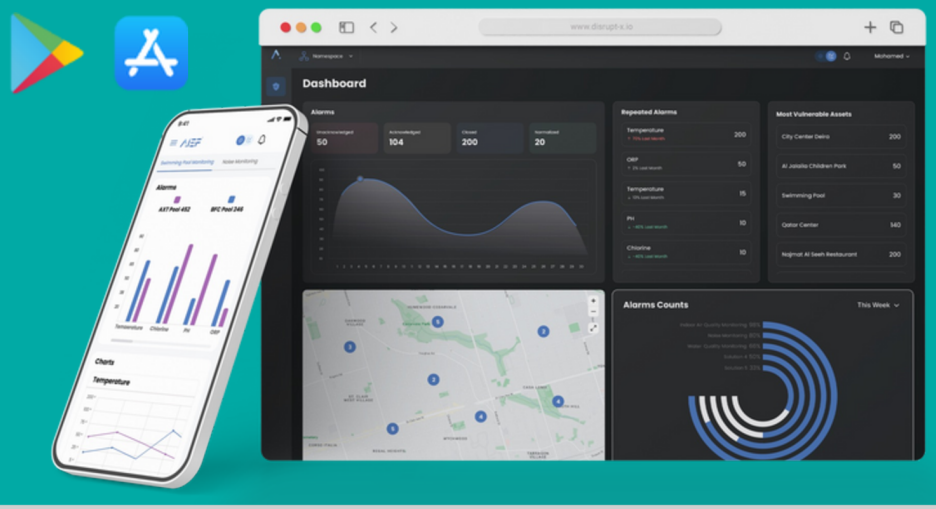
Key Features:

- Monitor Asset Parameters in Real-time
- Cus t omi z e Asset Threshold
- View Analytics Based on Sensor Readings
- Generate Customized Reports

Connectivity:

sigfox LoRaWAN NB-IoT 4G 5G BLE LTE

"Embrace the Power of IoT Innovation."



EcoSense

IOT MATRIX

Your ultimate solution for efficient and responsible utility management. We're here to help you keep track of your utility consumption, giving you the power to conserve resources, reduce costs, and ensure sustainability.

- *Transparency and Accuracy*
- *Promoting Sustainability*
- *Cost-Effective*

***Solutions** Included:*

Gas Metering

- *Keep an eye on gas usage, detect leaks, and generate bills based on actual consumption.*

Water Metering

- *Real-time monitoring of water consumption for optimized usage and accurate billing.*

Power Metering

- *Track electricity consumption, manage energy usage, and ensure accurate billing based on actual consumption.*

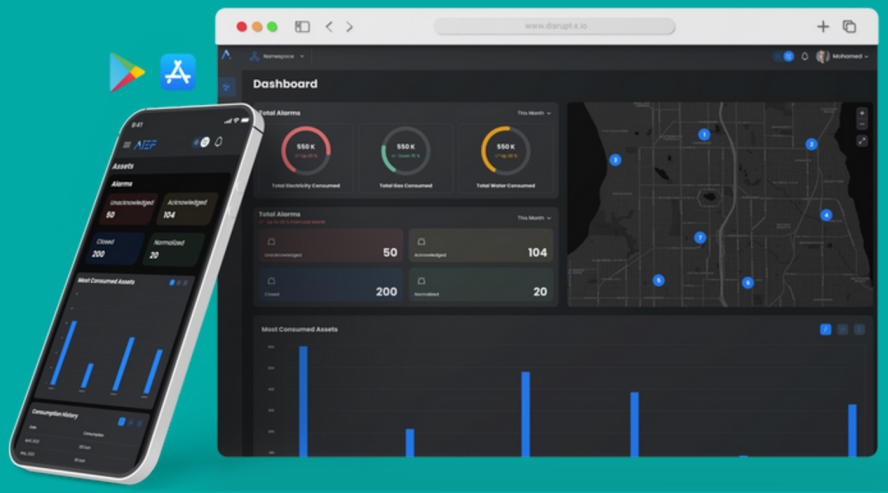
Key Features:

- *Monitor Consumption in Real-time*
- *Attach Pricing Templates for Accurate Billing*
- *View Analytics Based on Sensor Readings*
- *Generate Customized Reports*

Connectivity:

sigfox LoRaWAN NB-IoT 4G 5G LTE

"Empowering resource efficiency through Smart Utility Management."



SEGUROSMART

IOT MATRIX

As the digital world continues to transform, Segurosmartis part of the movement towards smarter, more intuitive access control. From managing parking spaces to safeguarding assets with intelligent padlocks, our system is designed to provide users with more control and peace of mind.

- Enhanced Security
- Optimized Utilization
- Improved Accountability

Solutions Included:

Smart Locks

- Secure your assets with smart locks that offer keyless access and real-time monitoring.

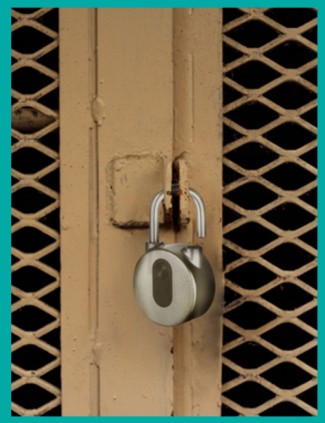
Smart Parking Locks

- Streamline parking management with intelligent locks, preventing unauthorized use of parking spaces and enhancing security.

"Securing Your World with Intelligence."

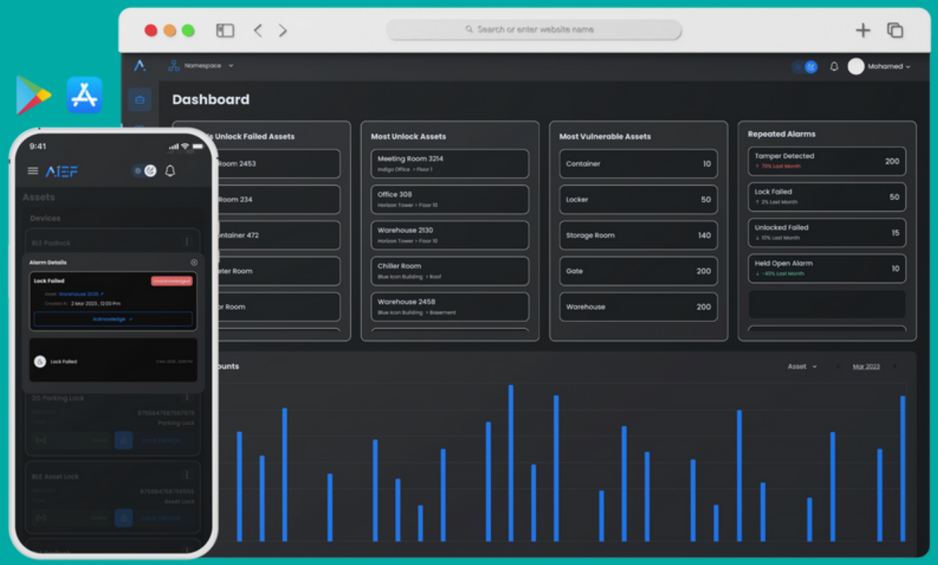
Key Features:

- Real-time Monitoring of Lock Status
- Custom Alerts on Unauthorized Access Attempts.
- Grant or Revoke Access Remotely
- Track Usage Patterns and Access Logs



Connectivity:

NB-IoT 4G 5G BLE LTE



TRACK SAFE

IOT MATRIX

In a fast-paced, digitally connected world, knowing where your assets are at any given moment is a crucial part of effective management. Track Safe brings this ability to your fingertips, offering comprehensive indoor and outdoor tracking solutions.

- *Locate Assets Instantly*
- *Optimize Asset Usage*
- *Prevent Losses*

***Solutions** Included:*

Asset Tracking

- *From equipment to containers, track all your business assets indoor and outdoor efficiently.*

Personnel Tracking

- *Keep track of your team's location in real time for enhanced safety and productivity.*

Mobile Cold Storage

- *Monitor your mobile cold storage units to ensure optimal temperature, and thereby, the quality of the stored goods.*

Key Features:

- *Real - t i me Asset Tracking*
- *Geofencing Capabilities*
- *Generate Customized Reports*
- *Track Asset Usage and Movement Patterns*

Connectivity:

sigfox LoRaWAN NB-IoT 4G 5G BLE LTE

CITY IQ

IOT MATRIX

CITYIQis a video analytics platform tailored for comprehensive urban management. By merging Smart Parking, Smart Space Management, and Smart Facility Analytics, our system offers a synergy of solutions that provide deep insights, efficiency, and optimization for urban spaces.

- *Optimized Urban Efficiency*
- *Informed Decisions Through Analytics*
- *Elevate Security and Convenience*

***Solutions** Included:*

Smart Parking

- *Parking Slot Management*
- *Parking Occupancy*

Smart Space Management

- *Smart Space Reservation*
- *Occupancy Management*

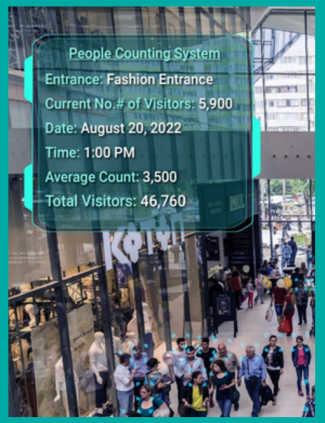
Connectivity:

sigfox LoRaWAN NB-IoT 4G 5G BLE LTE

" Transforming Urban Spaces with CITYIQ. "

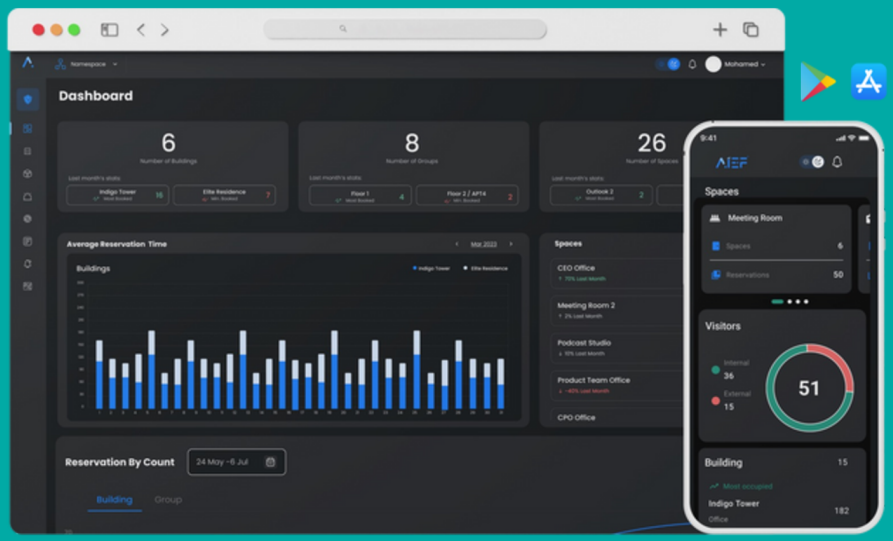
Key Features:

- *I nt el l i gent Occupancy Analytics*
- *Get Real-time Occupancy Updates*
- *Multi-Channel Alerts via Email / SMS / Call / Instant Messaging*
- *Generate Customized Reports*



Smart Facility Analytics -2024

- *People Counting*
- *Demographics*
- *Survey / Feedback KIOSK*



FLOTATEC – FLEET MANAGEMENT

IOT MATRIX

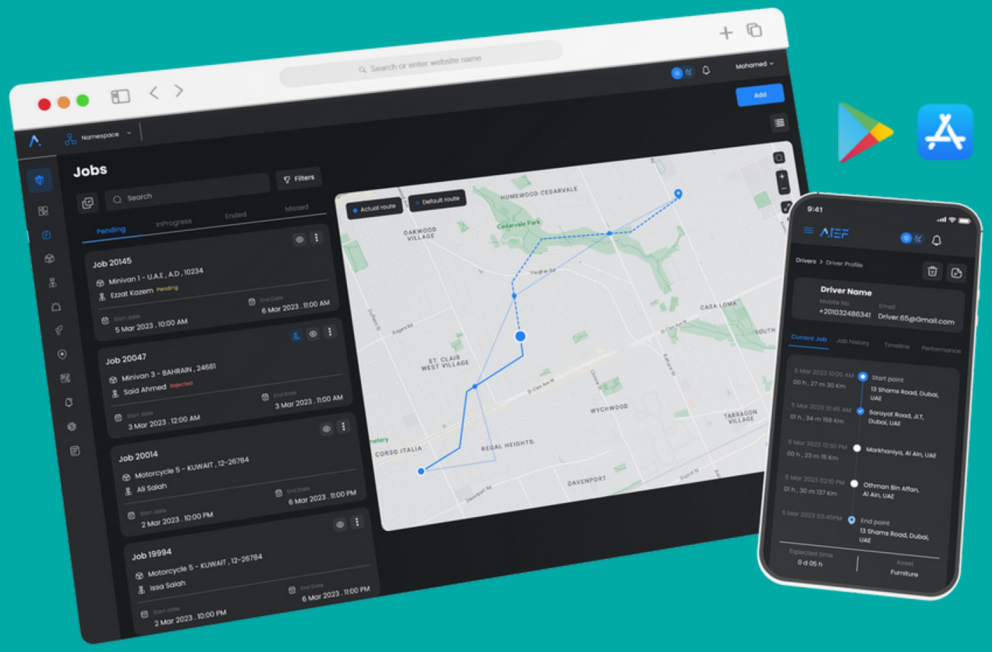
Modern logistics and operational demands require sophisticated fleet management solutions. With FLOTATEC, you're not just tracking vehicles, you're optimizing entire fleets. Connect everything from light vehicles to heavy machinery, monitor driver behavior, and manage tasks effortlessly. With real-time GPS tracking, Technexputs you in the driver's seat of every vehicle in your fleet.

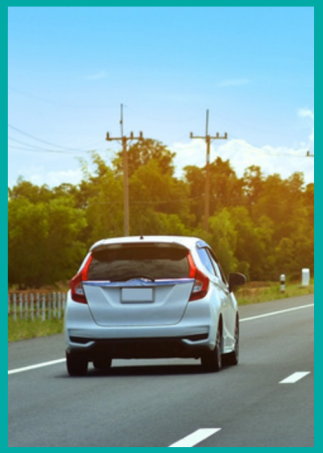
Enhanced Safety

Optimized Utilization

Reduce Costs

"Command Your Fleet, Control Your Operations."





Use -Cases:

- Vehicle Rentals
- Enterprise Vehicles
- Shipment & Del i ver i es
- School Buses

Connectivity:

NB-IoT · 4G · 5G · LTE

Key Features:

- Monitor Fleet in Real-time
- Get Real-time Alerts & Notifications
- View Fleet Analytics
- Generate Customized Reports

CLEAN SCAPE

IOT MATRIX

In an era where urban cleanliness and public health are paramount, CLEAN SCAPE emerges as a beacon of innovation. It focuses on cleanliness applications, seamlessly integrating IoT to provide real-time solutions. From rodent monitoring to intelligent waste management, CLEAN SCAPE stands as a symbol of innovation and progress in urban management.

- *Efficiency and Responsiveness*
- *Environmental Sustainability*
- *Enhanced Public Health*

***Solutions** Included:*

Smart Rodent Monitoring

- *Rodent Monitoring offers real-time notifications and predictive analysis, enabling quick action and proactive measures to minimize health risks and enhance urban hygiene across various sectors.*

Smart Waste Management

- *Waste Management solution leverages intelligent scheduling and optimization, contributing to environmental sustainability and efficiency in waste collection across industries and cities of all sizes.*

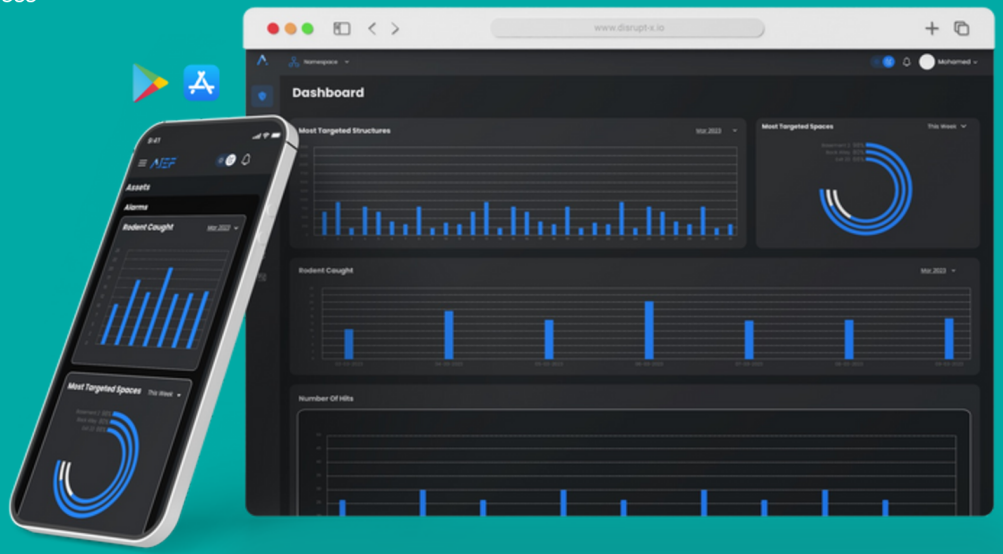
"Intelligent Solutions for Urban Cleanliness."

Key Features:

- *Monitor Rodent I nf est at i on*
- *Optimize Waste Collection*
- *Get Real-time Alerts and Notifications*
- *Track Usage Patterns and Access Logs*

Connectivity:

sigfox LoRaWAN NB-IoT 4G 5G LTE



SECURE PASS

IOT MATRIX

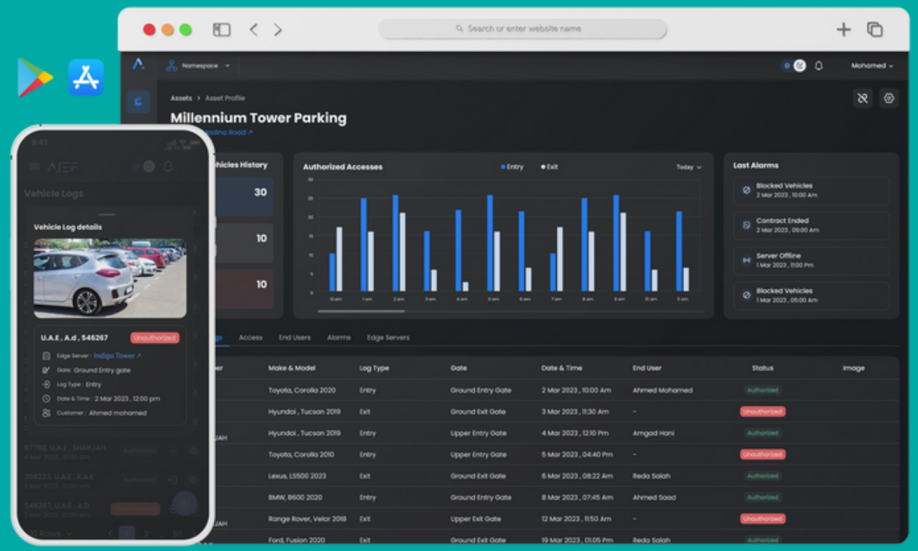
With bustling residential areas, dynamic office spaces, and diverse retail environments, the need for efficient vehicle entry and exit management has never been greater. SECURE PASS harnesses the power of Advanced Number Plate Recognition (ANPR) to transform conventional access points into state-of-the-art controlled passages, ensuring both convenience and security.

- *Enhanced Security*
- *Optimized Utilization*
- *Improved Accountability*

***Solutions** Included:*

Smart ANPR Access Management

- *Tailored for residential buildings, office spaces and other secure facilities, this solution ensures only authorized vehicles can access, providing a secure environment and reducing unauthorized vehicle concerns.*



Smart ANPR (Commercial) -Q4/2024

- *Optimal for retail and other commercial establishments that need a combination of access control and monetization. This solution supports both free and paid vehicle entry-exit management, making it an indispensable tool for commercial complexes.*

> ***“ Elevating Vehicle Access Control with Smart ANPR Technology.”***

Features:

Residential Access Management

Grant access only to residents and authorized visitors, keeping the community safe.

Commercial Access Management

Manage employee parking, guest entries, and ensure a smooth flow of vehicles, especially during rush hours.

Parking Payment Management

Implement paid parking solutions and monitor vehicle flow efficiently.

Coming Soon

GUARDIAN NEXUS

IOT MATRIX

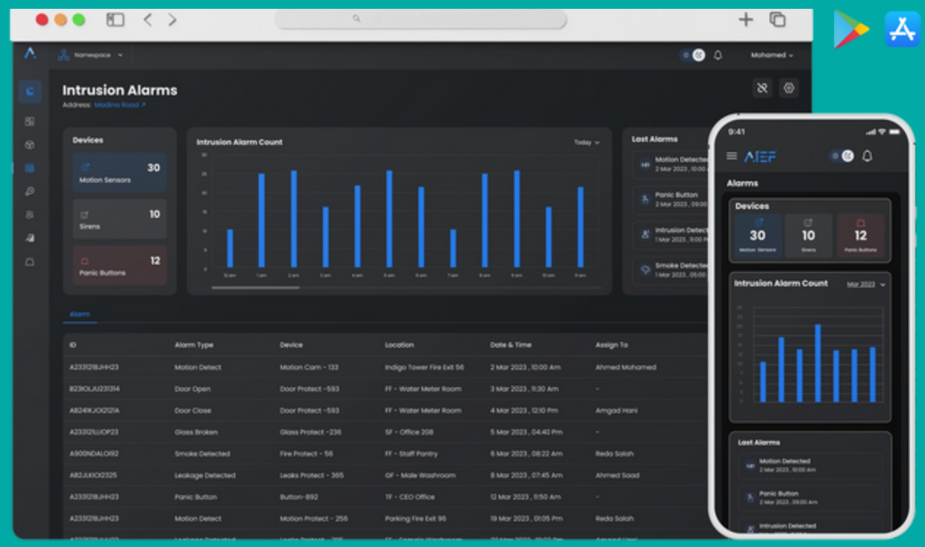
GUARDIAN NEXUS is a system made to seamlessly centralize incident and alarm management for all things IoT, while also integrating intelligent security and safety systems. With GUARDIANNEXUS, you can experience a heightened level of control, security, and safety within your business.

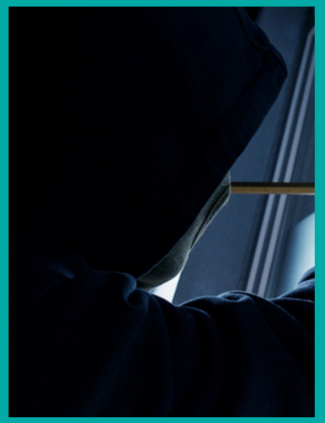
- *Operational Excellence*
- *Improved Decision Making*
- *Enhance Safety and Security*

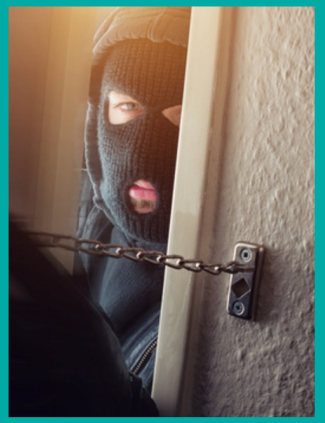
Solutions *Included:*

Intelligent Security

- *Our solution integrates with crucial security applications, including intrusion systems and video management systems, to provide quick response and maintain the integrity of your business environment.*







Intelligent Safety

- *By integrating with key safety applications, including fire monitoring systems, Defcon Patrols provides immediate alerts in the event of any safety incidents. This swift response ensures risk mitigation and reinforces the safety of your assets and personnel.*

"Transforming Business Operations: Security, Safety, and Beyond"

Key Features:

- *Centralized Incident and Alarm Management*
- *Direct Integration with Safety & Security Systems*
- *Advanced Data Visualization Tools*
- *Tailored Alerts and Prioritization*

IOT
MATRIX

THANK YOU