



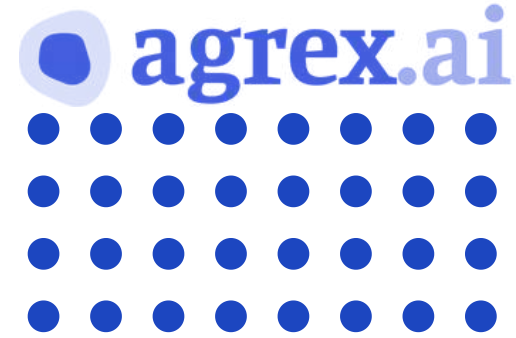
AI-VIDEO ANALYTICS

Make your facilities smart by using AI - enabled Video Analytics





CHALLENGES



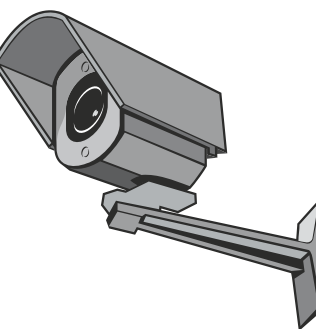
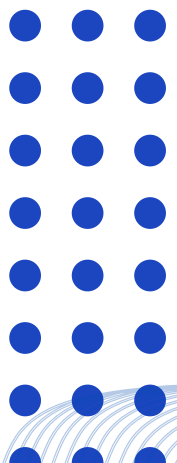
“You cannot improve, what you cannot measure”

Limited insight into on-ground operations, leading to increased deviation from established SOPs

Analytics is mostly done manually, which means low scalability, high costs and low turn around times

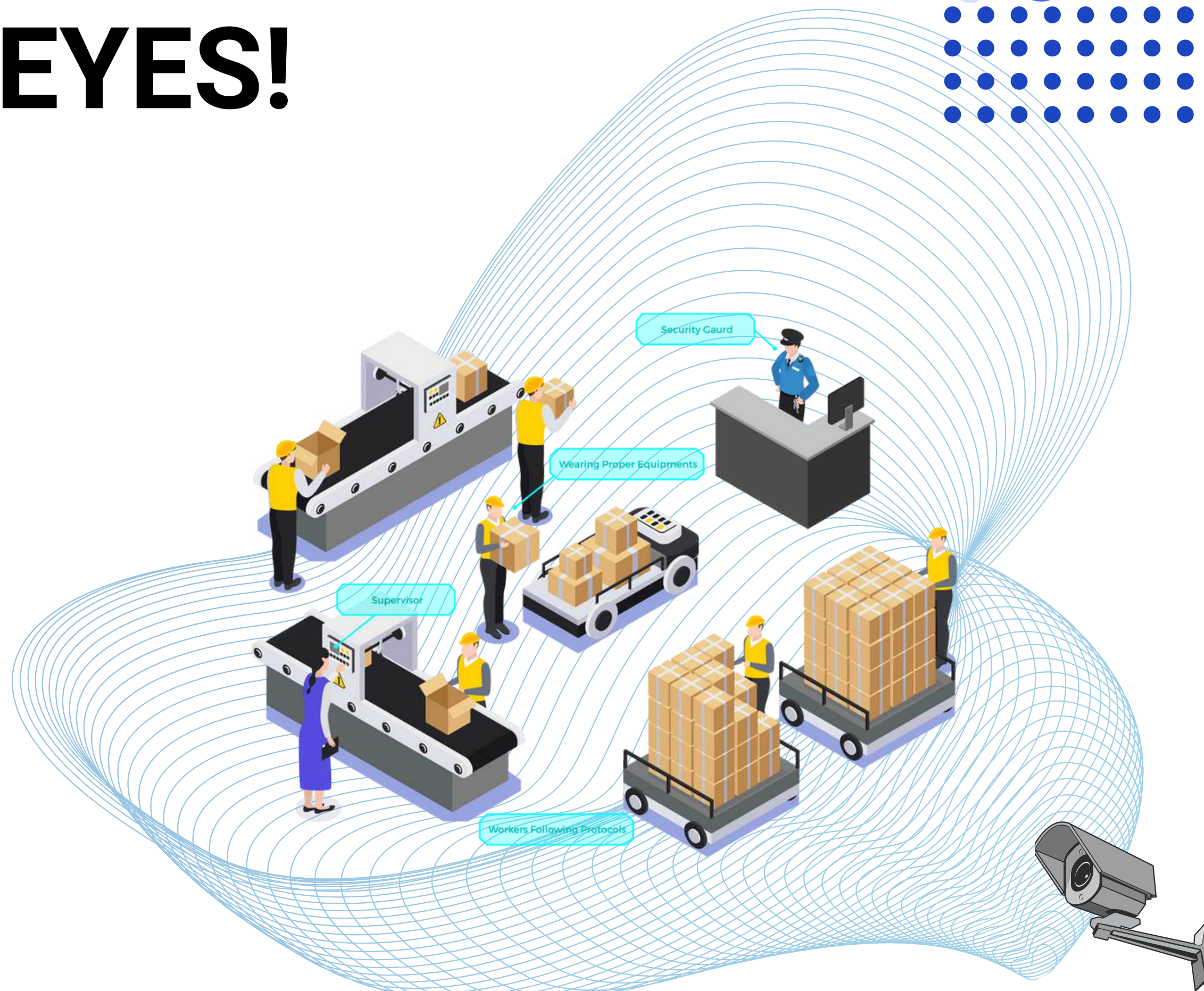
Decisions on resource utilisation like real estate, workforce and equipment **based on intuition** rather than real data.

Increased losses and lost potential revenue due to damages, lack of accountability, stock-outs etc.



WE GIVE YOU EYES!

- Automated monitoring
- Increased decision-making impact
- Decreased monitoring costs
- Improved compliance to SOPs
- Enhanced physical security
- Increased operational efficiency
- Identification of Bottlenecks



RETAIL

Agrex.ai with our AI video analytics solution, transforms the retail industry by harnessing the power of real-time video data.

Problem:

Retailers face the challenge of providing a seamless shopping experience while ensuring security and optimizing operations. Common issues include: Theft and shoplifting, Stock management issues & Customer service inefficiencies.

Solution:

By providing valuable insights and solutions to various challenges, video analytics helps store owners reduce theft, improve stock management, & enhance customer service efficiency.

Impact:

- ✓ 10-15% cost savings and increased revenue
- ✓ 30-50% reduction in theft and shoplifting
- ✓ 15-20% improvement in store efficiency
- ✓ 25% Enhanced Inventory Management

Use Cases



People Count



Staff Efficiency



Track Customer Behaviour



Tracking Customer Paths



Cash Counter Monitoring



Queue management



Detect Suspicious Movement



Section Performance



Recognizes Camera Tampering



Track Customers



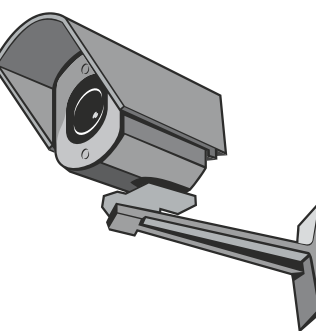
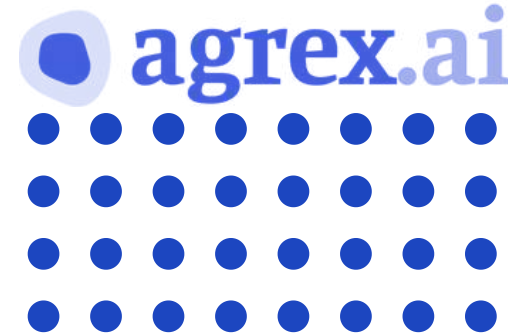
Dwell Time



Staff Performance



Inventory Management



WAREHOUSES

Agrex.ai with our AI video analytics platform, revolutionises logistics and warehouse management by leveraging real-time video feeds to optimize operations.

Problem:

In logistics, efficiency and customer satisfaction are compromised when warehouse workers fall asleep, mishandle boxes, damage goods and issues with truck monitoring can disrupt operations further, potential loss of business.

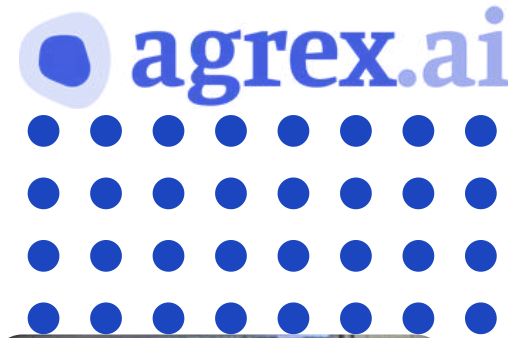
Solution:

By implementing real-time video analytics technology, logistics companies can address these challenges effectively. Here's how:

Detecting Sleeping Workers, Monitoring for Open/Mishandle Boxes & Tracking Trucks with ANPR (Automatic Number Plate Recognition)

Impact:

- ✓ 40% increase in operational efficiency
- ✓ 5-10% reduction in production errors
- ✓ 40% decrease in workplace accidents



Use Cases



Opening of boxes



Vehicle Loading / Unloading of boxes



SuperVisor Not Present



Social Distancing



Throwing of Box



Uncovered Truck



Blackout



Blur Image



Standing on Box



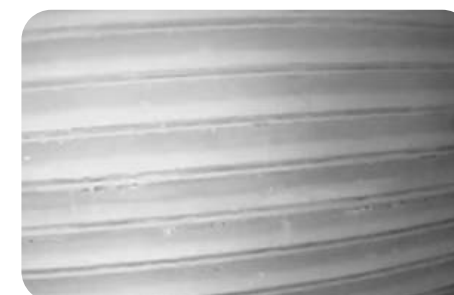
Box on Shoulder



Pallet Not Used



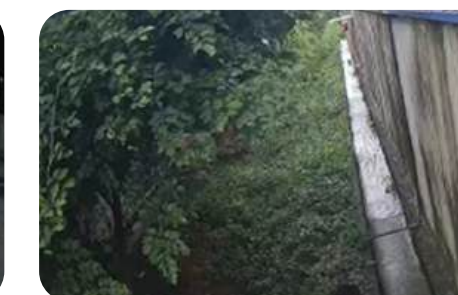
Truck In



Warehouse Closed Alert



Warehouse Open Alert



Intrusion Detection



Box Mishandling

HOSPITALITY

Agrex.ai with our AI video analytics platform, revolutionises QSR, restaurant, hotel management by leveraging real-time video feeds to optimize operations.

Problem:

Hospitality faces a significant challenge in maintaining SOP compliance, service adherence, hygiene protocols particularly in large scale operations involving large facilities or multiple locations. In addition, data about customers is lacking or limited.

Solution:

Utilizing real-time video analytics in hospitality can streamline operations, ensure SOPs adherence, improve hygiene levels, improve service quality and remove operational bottlenecks

Impact:

- ✓ 25-35% reduction in customer wait times
- ✓ 80% decrease hygiene incidents
- ✓ 15-20% increase in operational efficiency

Use Cases



Improper Cash Handling



Hygiene Protocol Violation



Unattended Customer



Improper Phone Usage



Crowd Monitoring



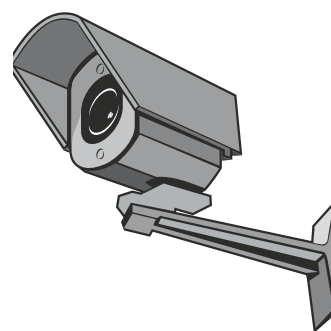
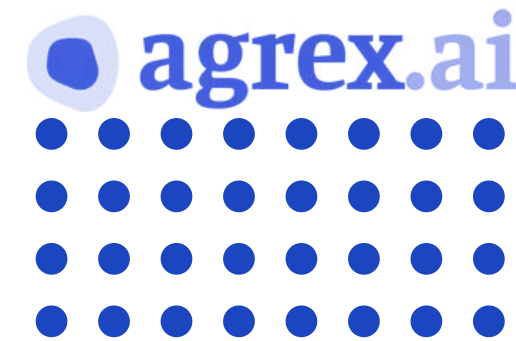
Housekeeping Monitoring



Reception Monitoring



SOP Adherence



EDUCATION

By monitoring classroom activities, student behavior, and campus security, Agrexai provides valuable insights to educators and administrators.

Problem:

Educational institutions often struggle with maintaining student engagement, particularly in remote or large classroom settings, while also ensuring the safety of both students and staff on densely populated campuses.

Solution:

Implementing real-time video analytics in educational institutions enhances student engagement by monitoring attentiveness, improves safety through real-time monitoring and alerts, & operational efficiency by optimizing facility use and managing queues.

Impact:

- ✓ 30-40% reduction in safety incidents
- ✓ 25-30% increase in student engagement
- ✓ 20-25% increase in efficiency of campus staff

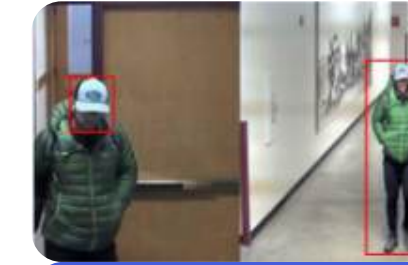
Use Cases



Student Group



Hygiene



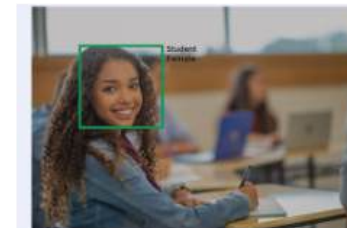
Unauthorize Access



Attendance tracking



Classes & Hall monitoring



Facial Detection



Crowd Detection



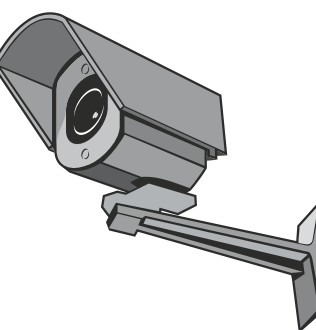
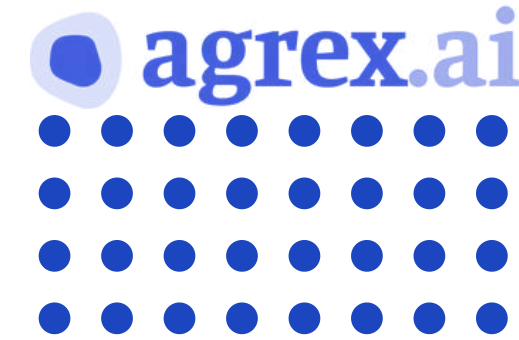
Unauthorized - Access on roof



Vehicle Tracking



Outdoor Campus Monitoring



MANUFACTURING

Agrex.ai with our AI-powered video analytics system, revolutionizes manufacturing by providing comprehensive evaluation capabilities.

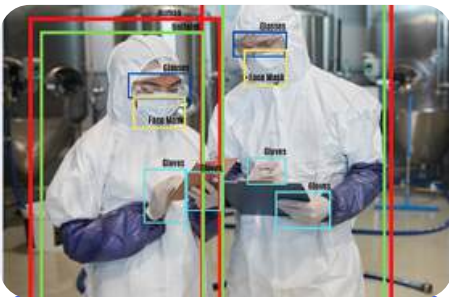
Problem:
In the manufacturing industry, efficiency, quality control, and worker safety are paramount. Common challenges include: Worker fatigue, Mishandling of equipment & Production line inefficiencies.

Solution:
Real-time video analytics in manufacturing presents a comprehensive solution for enhancing safety, efficiency, and security. It effectively addresses worker fatigue by detecting signs and prompting timely intervention.

- Impact:**
- ✔ 40% increase in operational efficiency
 - ✔ 5-10% reduction in production errors
 - ✔ 40% decrease in workplace accidents



Use Cases



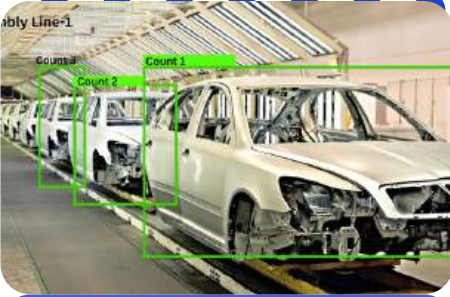
Uniform Detection



Supervisor Presence



Staff Attendance



Assembly Line monitoring



Conveyor Belt Monitoring



Equipment Analysis



Safety Monitoring



Smart Maintenance



Worker Counting



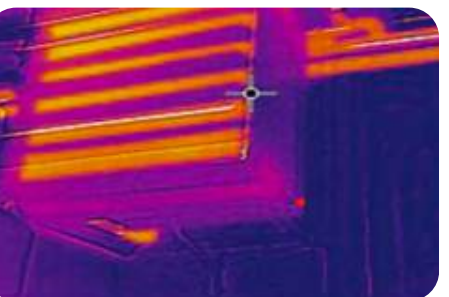
Compliance Cleaning



Quality Control



Equipment Monitoring



Environmental Monitoring



Movement Analysis



Intrusion Detection



Perimeter Monitoring

HOSPITALS

Agrex.ai with its AI-powered video analytics system transforms hospital operations by ensuring safety, efficiency, and quality care through actionable insights.

Problem:

Hospitals face significant challenges such as:

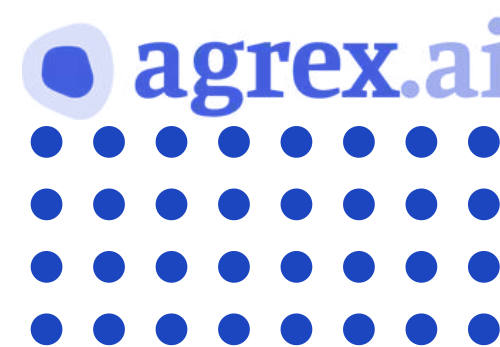
- Lack of continuous monitoring for vulnerable patients.
- Inefficient tracking of staff presence and patient care delivery.
- Unauthorized access, equipment theft, and breach incidents.
- Congestion in waiting areas, lack of Hygiene Monitoring

Solution:

Agrex.ai's AI-powered video analytics enhances hospital operations by ensuring patient safety, monitoring staff efficiency, automating hygiene compliance, managing queues, tracking assets, and improving security through real-time insights and alerts.

Impact:

- ✔ 40% improvement in patient care efficiency
- ✔ 50% reduction in hygiene compliance issues
- ✔ 40% reduction in security-related incidents



Use Cases



Patient Activity Detection



Nurse / Doc Presence



Hygiene Monitoring



Crowd Management



Asset and Equipment Tracking



Hazard Detection



Patient Falling



ICU Bed Monitoring



PPE Detection



Violence Detection

MUNICIPALITIES

Agrex.ai with its AI-powered video analytics system transforms Municipalities operations by efficiency, rules and SOP compliance through actionable real time alerts.

Problem:

Municipal Corporation face significant challenges such as:

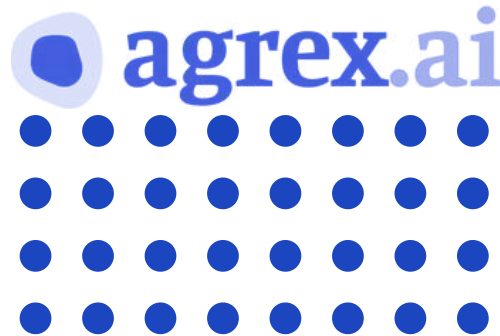
- Garbage bin overflow, spillage, and disposal issues
- Open manhole, waterlogging and flood detection
- Street vendor regulation and monitoring
- Public washroom hygiene and cleaning alerts
- Traffic violations: red light, zebra crossing, helmets, triple seating, vehicle identification

Solution:

Agrex.ai’s AI-powered video analytics enhances municipalities operations by ensuring operational efficiency, garbage monitoring, manhole alerts, Street vendor monitoring, Pothole detection, water logging, Public washroom cleanliness through real-time insights and alerts.

Impact:

- ✓ 40% improvement in operational efficiency
- ✓ 50% reduction in garbage monitoring issues
- ✓ 40% reduction in vending area voilation



Use Cases



Bin Overflow Alert



Open Manhole



Water logging



Spillage Alert



No Vendor Zone Alert



Public Washroom Hygiene



Flooding Monitoring



Traffic Monitoring



Vehicle No Detection



Street Light Monitoring

BANKING

By analyzing footage from bank branches and ATMs, Agrexai provides valuable insights into customer behavior, branch traffic patterns, and security risks.

Problem:

Banks and financial institutions struggle with delivering efficient services while maintaining security and compliance. Issues include: Long wait times and queues at branches, security threats like fraud & operational inefficiencies in branch operations.

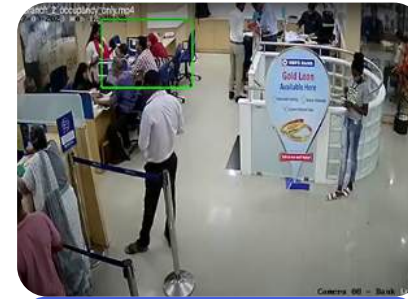
Solution:

Utilizing real-time video analytics can streamline operations, reduce wait times, enhance security, & improve efficiency, enhance the customer banking experience.

Impact:

- ✓ 25-35% reduction in customer wait times
- ✓ 30-40% decrease in security threats and fraud
- ✓ 15-20% increase in operational efficiency

Use Cases



Occupancy



Vault Security



Security Guard presence



Crowd Management



Unauthorised vault Entry Detection



Camera Tampering



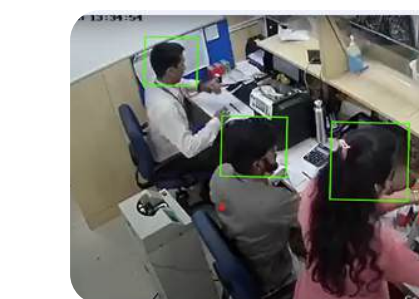
Authorised Vault Entry Detection



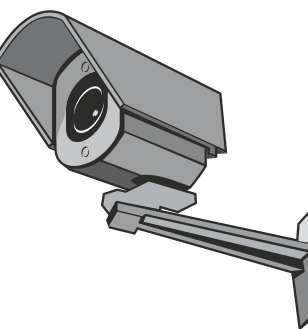
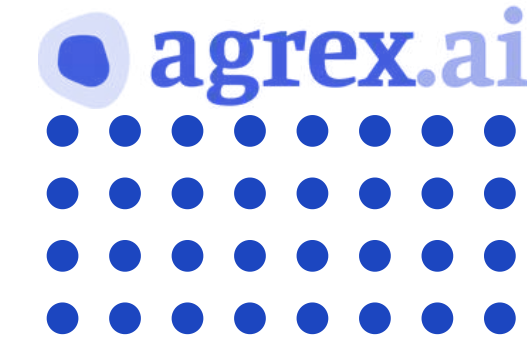
Suspicious Activity



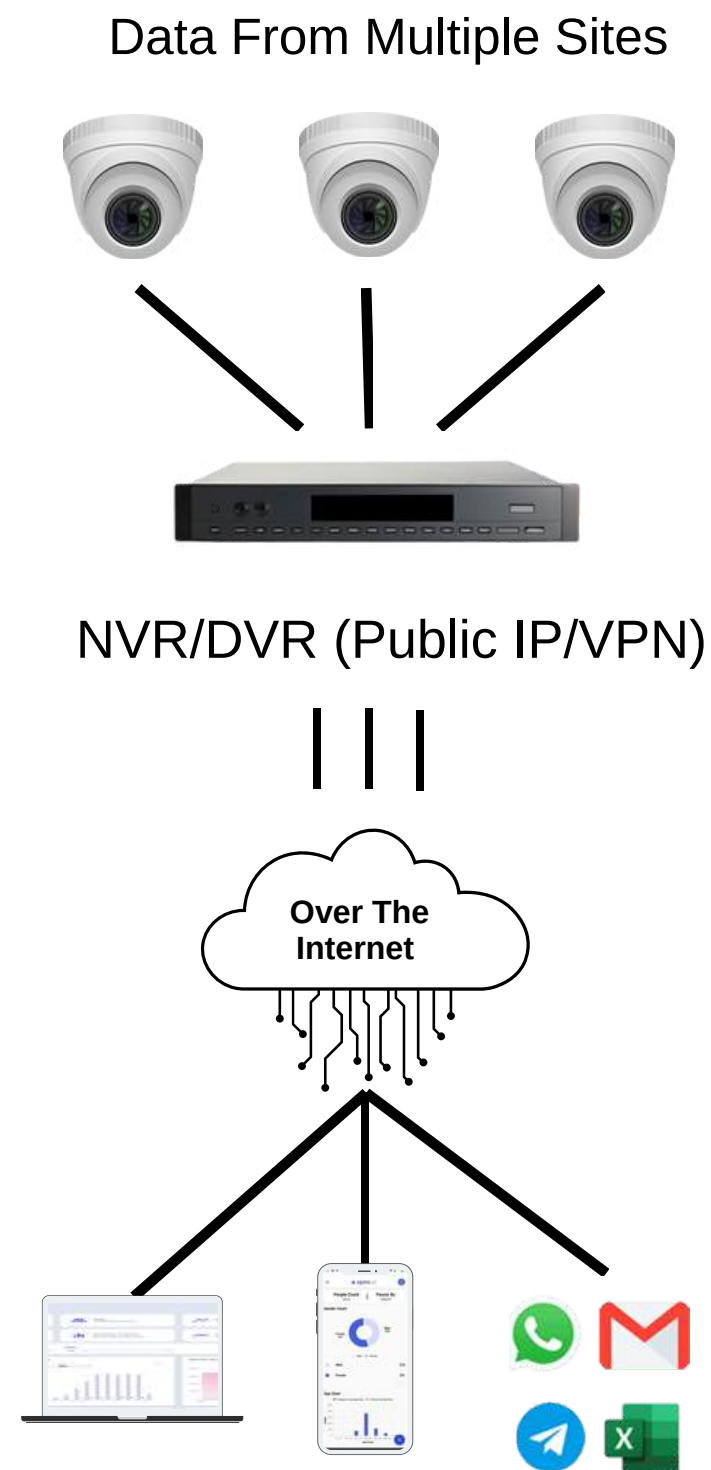
Staff Efficiency



Cash Counter Monitoring

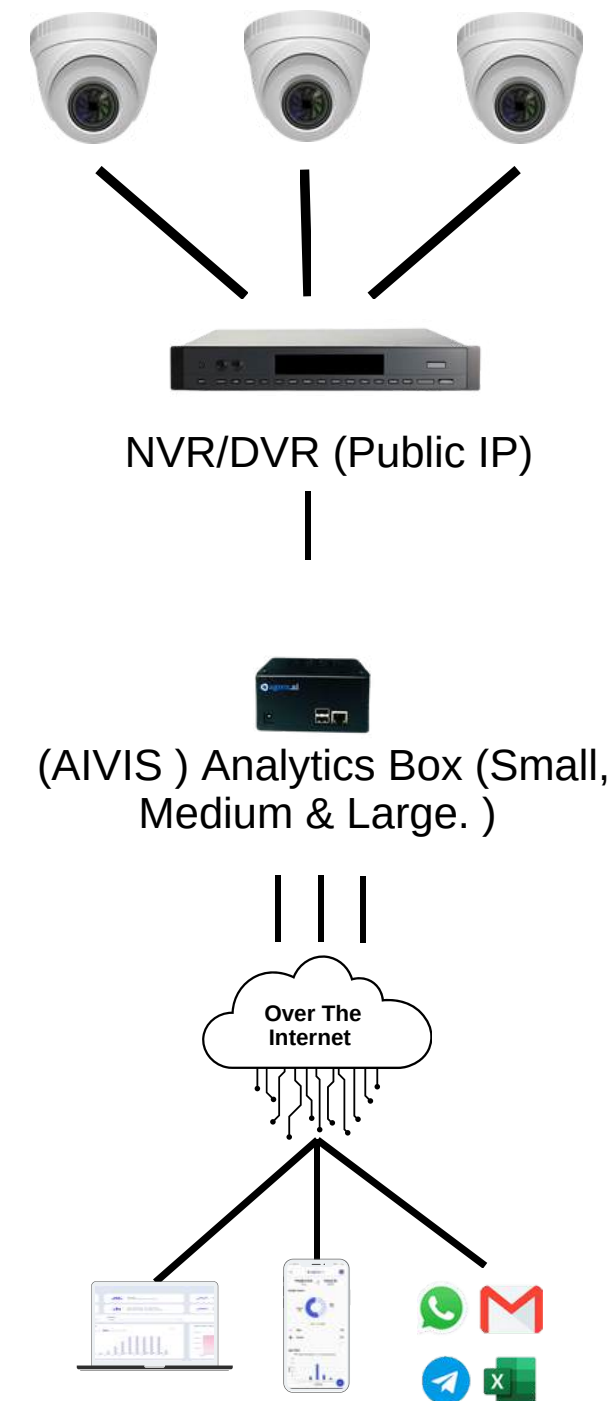


HOW IT WORKS

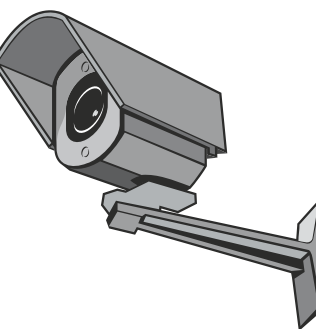


On
Cloud

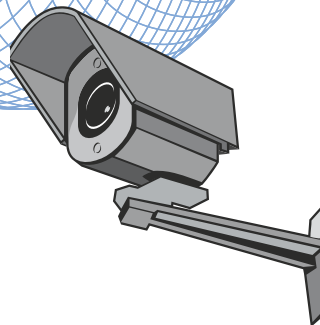
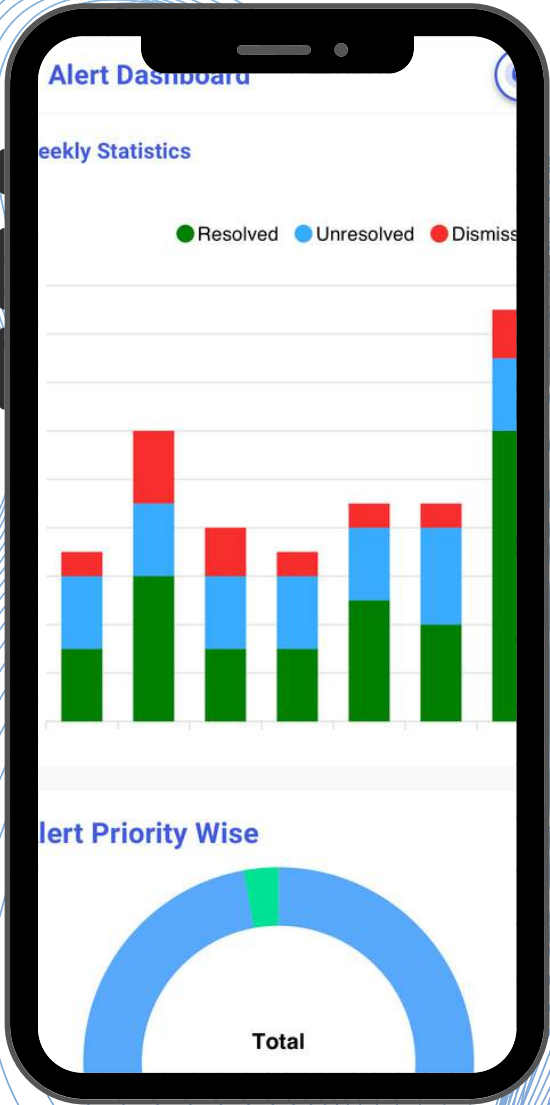
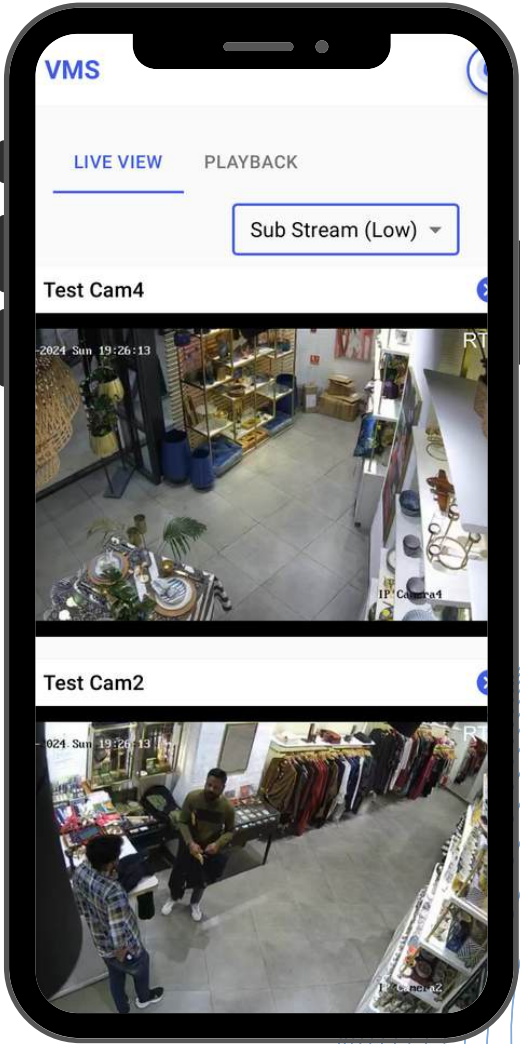
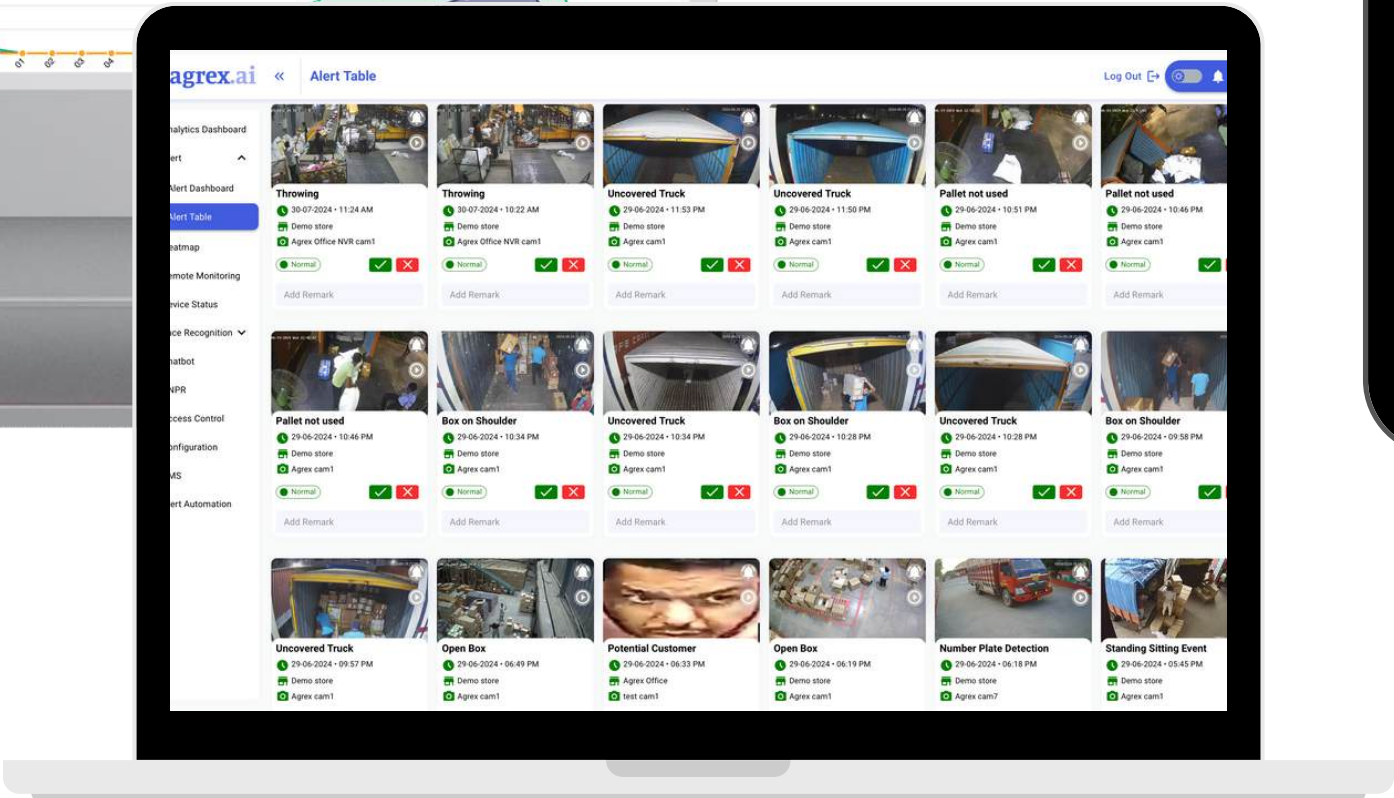
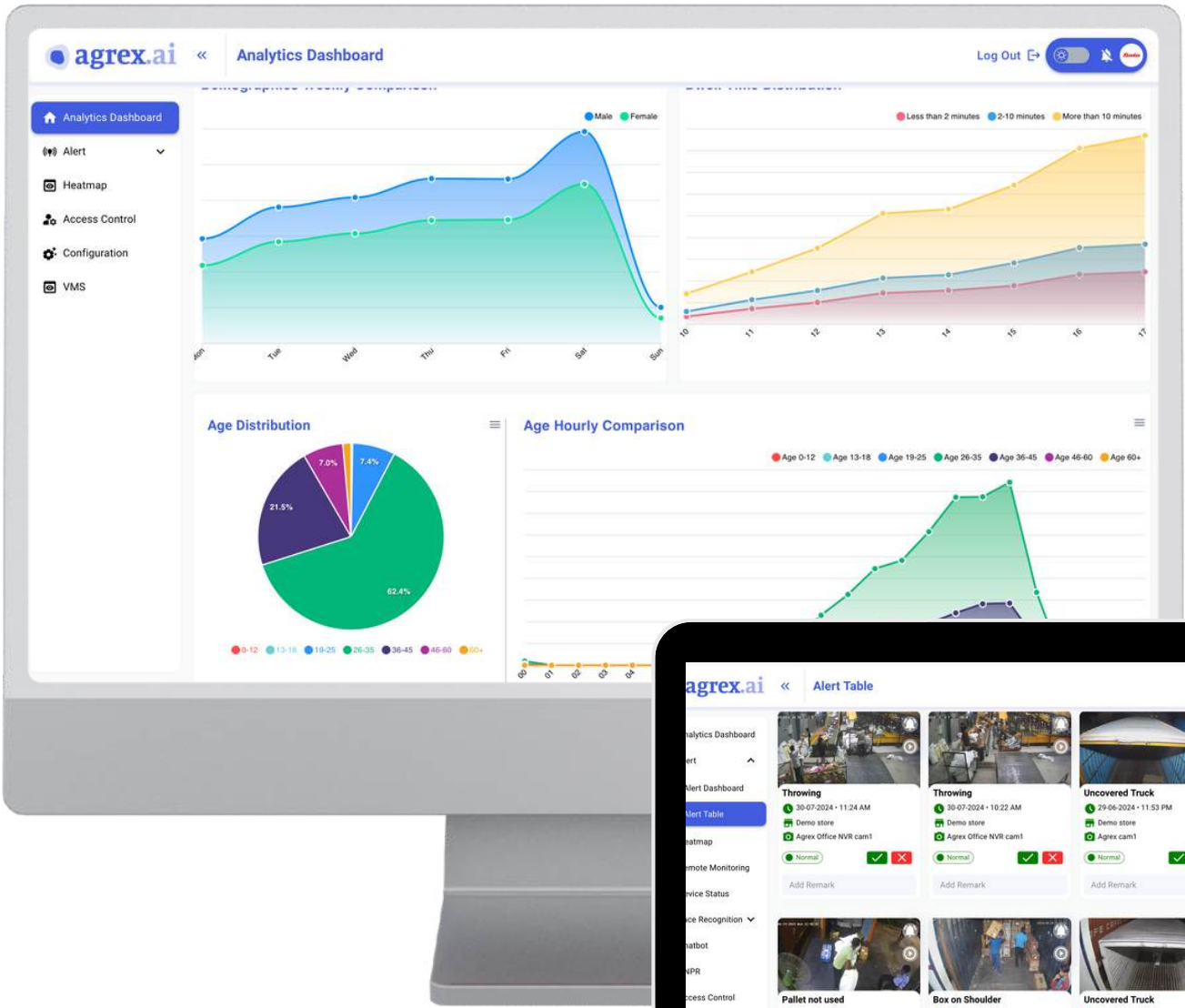
Data From Multiple Sites



On
Premises



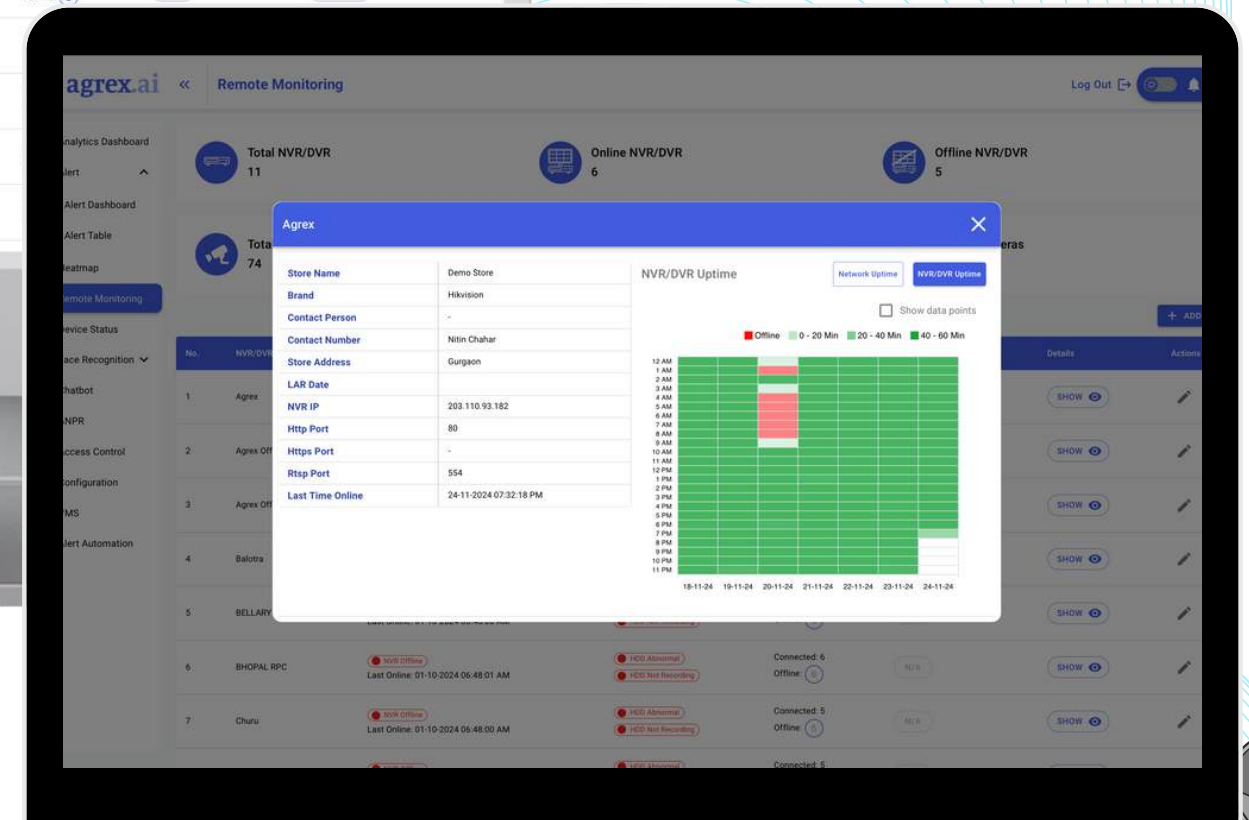
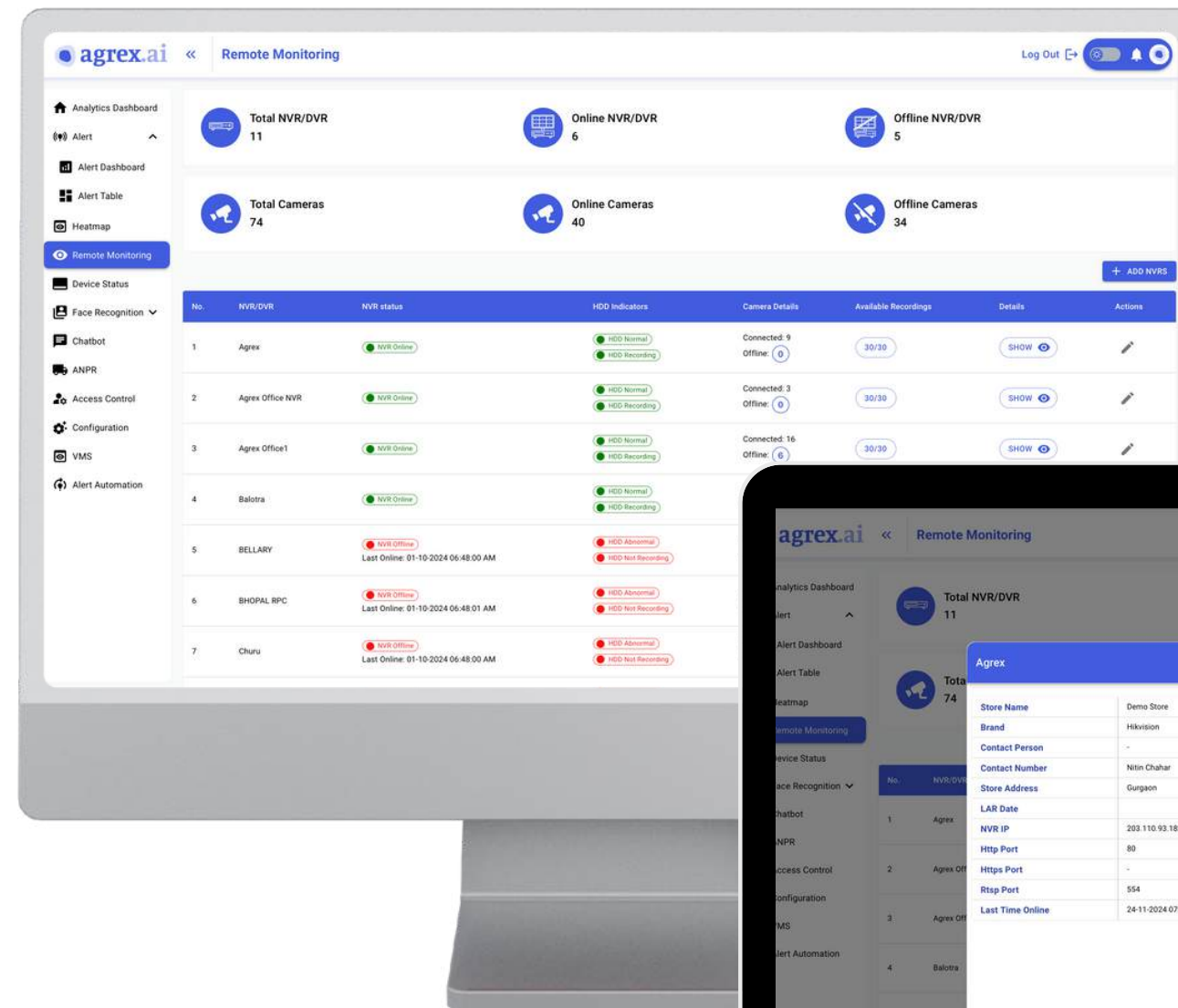
WEB / MOBILE DASHBOARDS



CCTV HEALTH MONITORING

Monitor your entire CCTV infrastructure including :

- NVR / DVR Online / Offline status
- Cameras Online / Offline status
- Camera Tampering
- HDD and Recording
- Blur / Blackout
- Angle Change
- Camera Covered

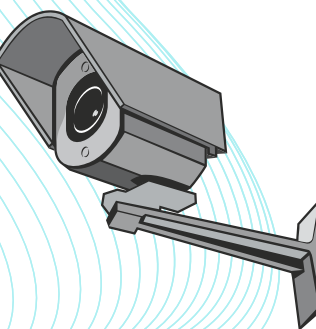
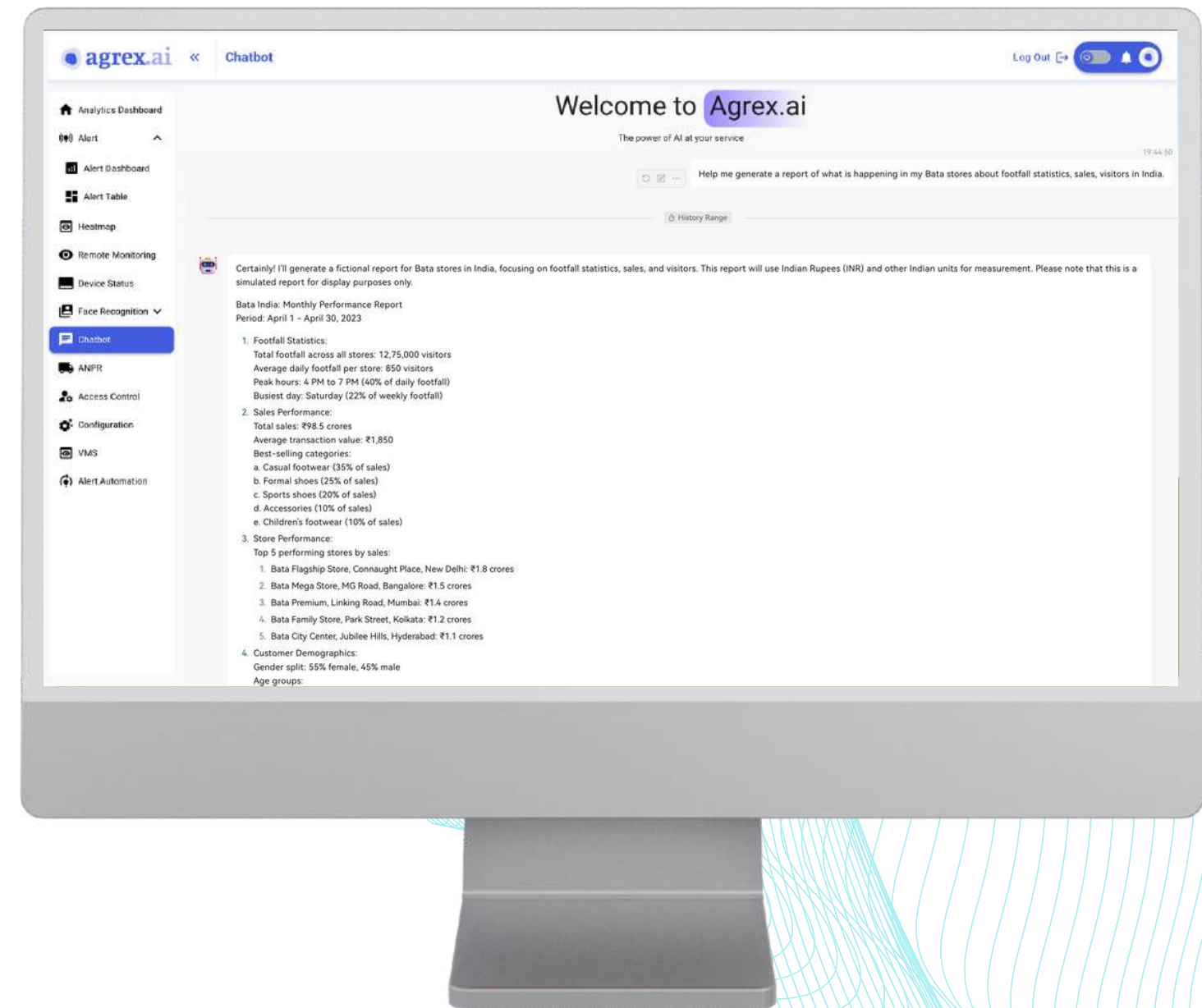


AGREX.AI ASSISTANT



Chat with your data and dashboard using a Generative AI Chatbot (Agrex.ai Assistant) :

- Generate Reports
- Talk to your data interactively
- Take better decisions
- Get natural language feedback

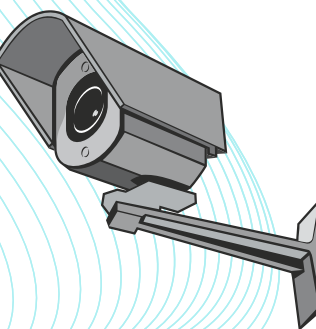
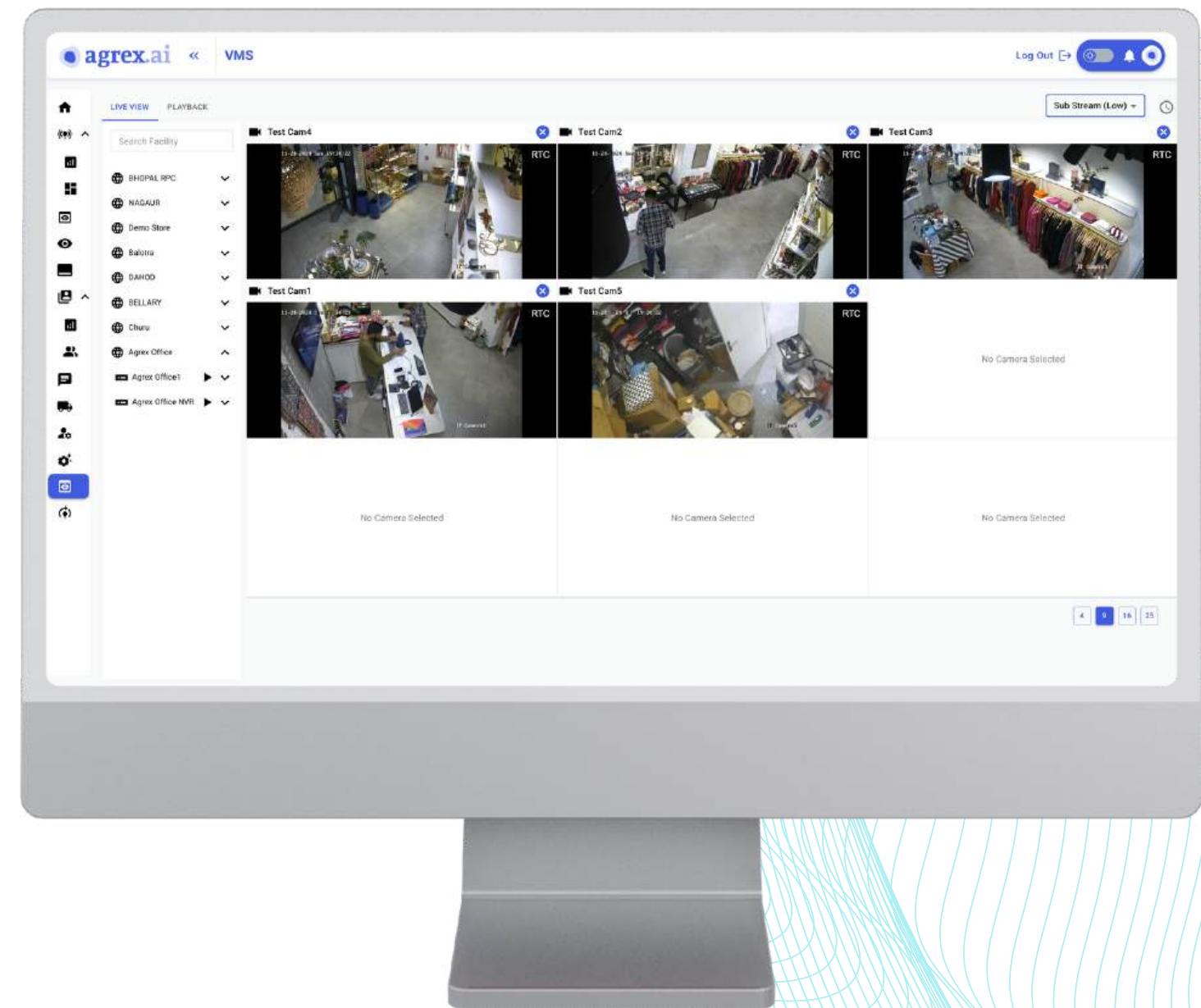


VIDEO MANAGEMENT SYSTEM



Use Agrex.ai Video Management System to watch your cameras live and playback:

- Use any brand ONVIF compliant cameras
- Get cloud storage
- Immediate alert based playback
- Maintain an Eagle's eye view of your facilities





Thank You



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