JARVIS
Powered by Staqu
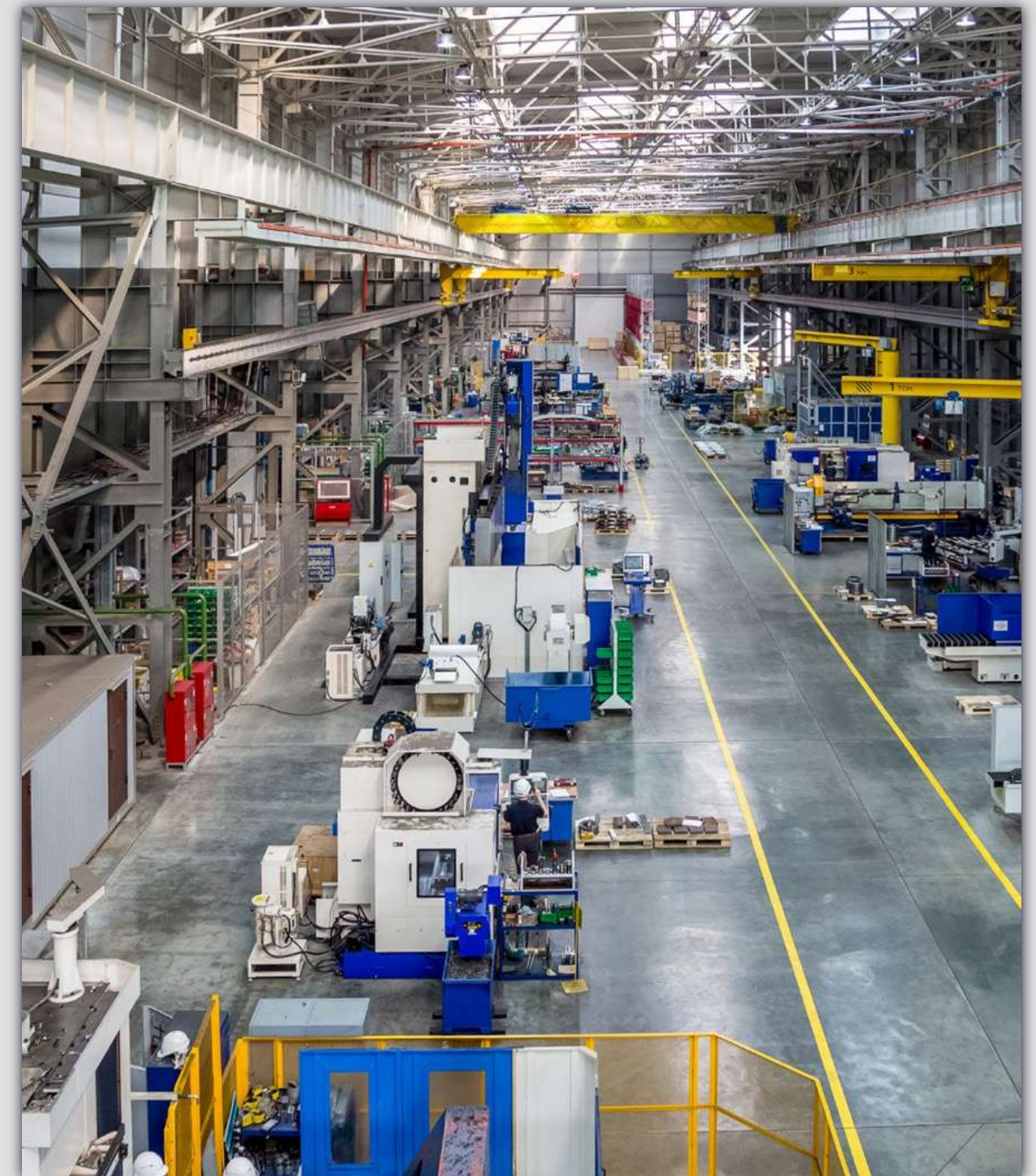
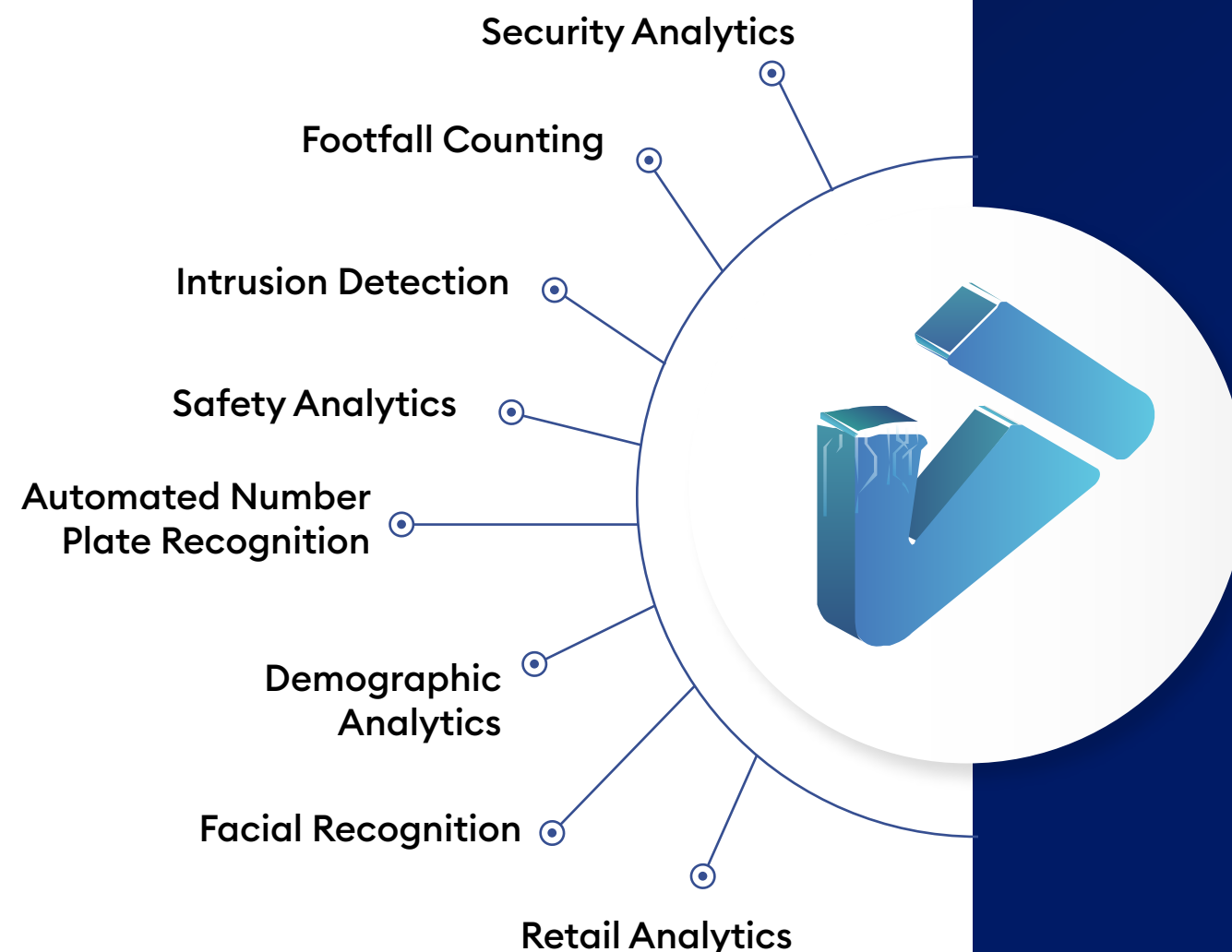# Manufacturing Industry

Turning Existing CCTVs Smarter

JARVIS Audio-Video Analytics Solution is reinventing the way organizations use their CCTV cameras.

Core Competence

Over the years, Staqu has been at the forefront of the AI Technology industry with its plug-and-play, video, and audio data analytics tool JARVIS. The solution has unique interactive features that have helped organizations grow at an exponential rate. Our solution can be embedded in existing infrastructure and uses the existing CCTV camera and an internet connection to provide actionable data insights through CCTV video feed. It is a centralized video management software, alerting in real-time focusing on all audio-video streams.

- Security Analytics
- Footfall Counting
- Intrusion Detection
- Safety Analytics
- Automated Number Plate Recognition
- Demographic Analytics
- Facial Recognition
- Retail Analytics

Why Choose JARVIS

▶ Utilize video feed as actionable insights

JARVIS is a proprietary audio - video analytics solution that helps organizations from various industries realize the true potential of their video data and utilize the data points in creating actionable strategies to ensure increased revenue, loss prevention, and accelerated operational efficiency.

▶ Easily integrate with any VMS

To run JARVIS, you only need an IP camera and reliable internet access. It has its own VMS Technology or can be integrated with any VMS and deployed on the cloud or at the edge which can be accessed anywhere, anytime.

▶ Save deployment time and costs

With the Streaming Agent tool, our latest innovation, organizations don't require a static IP at all locations for deployment. This in turn helps accelerate the deployment cycle and reduces network infrastructure costs.

▶ Leverage 100+ Analytics data points

JARVIS Video analytics software provides accurate, flexible, and comprehensive data insights for over 50 use cases. Derive valuable insights from 100+ analytics to accelerate situational awareness and improve operational intelligence.

▶ Rely on incomparable Accuracy

JARVIS is undoubtedly one of the world's best video analytics software. Its results are reliable and accurate. For instance, the Facial Recognition System comes with more than 99.7% accuracy in LFW Dataset, Youtube Faces, NITS, as well as Indian and international facial databases.

**Product
Video**

**JARVIS
Audio-Video Analytics Solution**

Our Clients

Our Partners

Google Partner

aws partner network

Tech Mahindra

Microsoft Partner

NVIDIA Cloud Validated

intel PARTNER ALLIANCE

DELL PartnerDirect

Industries We Serve

In the realm of AI-powered video analytics, JARVIS is omnipresent. Both the public and the private sector have shown major interest in the product. The use of AI in manufacturing and retail is highly desired. The retail industry is majorly dependent on the use of AI-powered automotive solutions, and JARVIS fits right in. We have been chosen by major retail sector clients who depend on JARVIS for automated operational, safety, and revenue generation processes. Apart from this, we have been working in other industries such as smart cities, infrastructure, and Covid-19 solutions to name a few.

Our primary objective is to assist the industries in generating income with the least amount of human resource consumption and the greatest possible efficiency using our automated solution, JARVIS.

Manufacturing

Retail

Infrastructure

Smart City

Public Sector

JARVIS for Manufacturing

Today's modern manufacturers understand that the value of analyzing CCTV monitoring goes far beyond PPE compliance and crime deterrence. Video content analysis solutions are currently being used as a proactive means to develop strategies to improve security and operational efficiency. With JARVIS, organizations can increase their profits by using the onsite video surveillance and management process at their production facility.

Manufacturing Industry

1. Streamline SOPs and improve production line efficiency.
2. Ensure adherence to safety compliances with the real-time alerting mechanism.
3. Loss prevention through theft, pilferage, etc.
4. Track vehicular movements using ANPR and generate data metrics like Vehicle Turnaround Time, Parking Analysis, etc.

Key Features

▶ **Automatic Number Plate Recognition**
Identify vehicles' number plates automatically to improve security and manage real-time traffic.

▶ **Fire Safety**
Get real-time alerts on the detection of smoke and fire to avoid any life loss or post event losses.

▶ **Intrusion Detection**
Get real-time alerts for any intrusion along with footage of the incident allowing rapid verification of the source and take action.

▶ **Smart Conveying**
Automate constant monitoring of conveyor belts to streamline productivity analysis and enhance operational efficiency.

▶ **Safety Gear Detection**
Reduce manual auditing costs as well as ensure safety & security at a manufacturing facility with real-time alerts.

▶ **Facial Recognition for Access Control**
Enhance security by detecting and sending real-time alerts of unauthorized access to restricted areas.

Fire Safety

Safety Gear Detection

Smart Conveying

Facial Recognition for Access Control

Automatic Number Plate Recognition

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Intrusion Detection
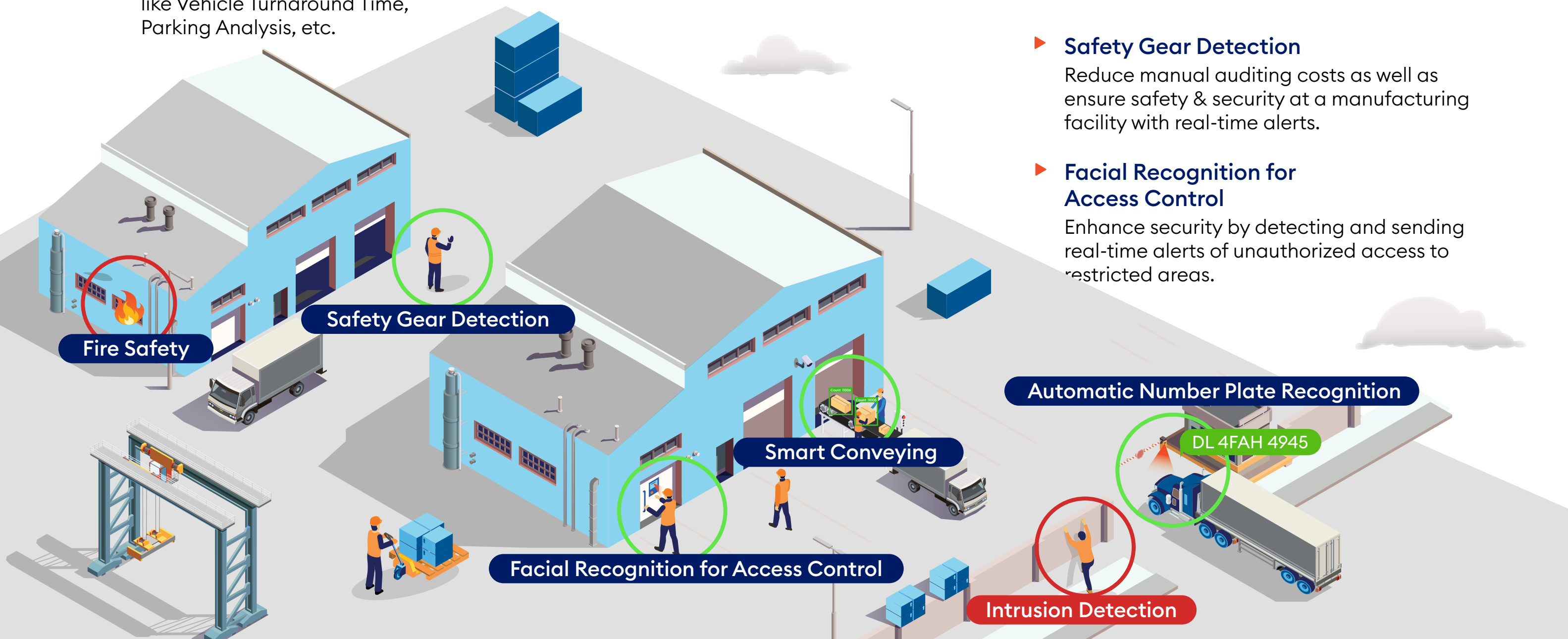
Safety & Security Modules

No Hardhat

No Hardhat Detected

Fire Detected

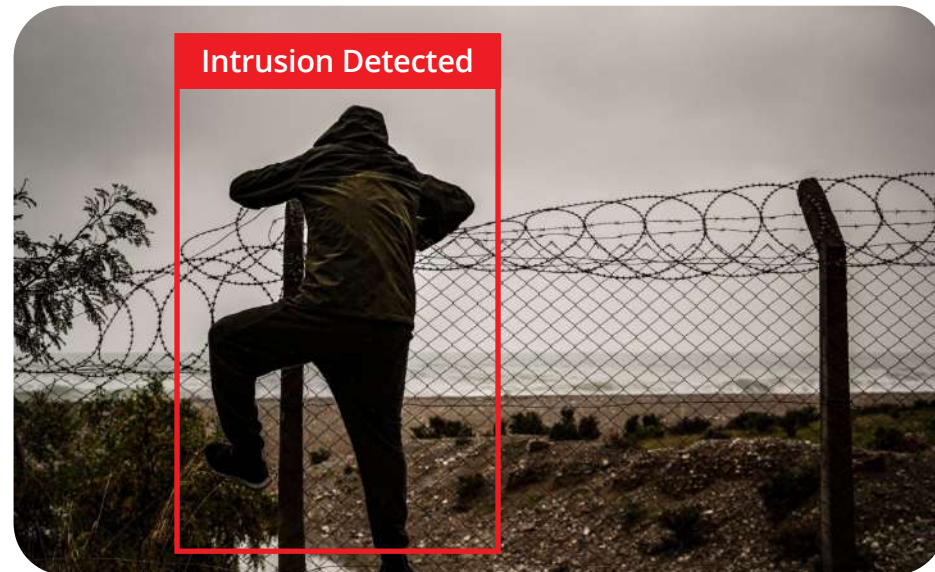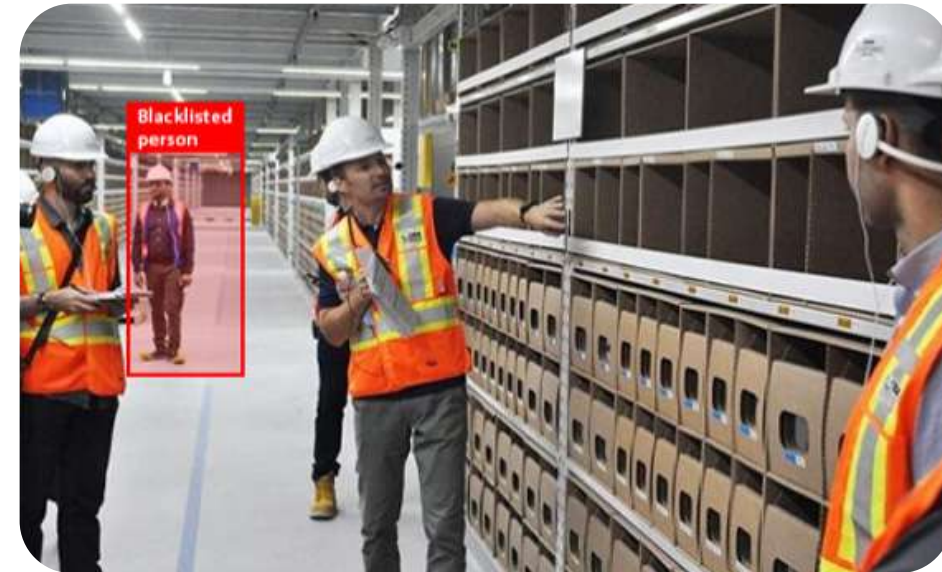Fire & Smoke Detection

Perimeter Security

No Safety Gear

Hairnet/Gloves/Apron Detection

Safety & Security Modules

Intrusion Detection

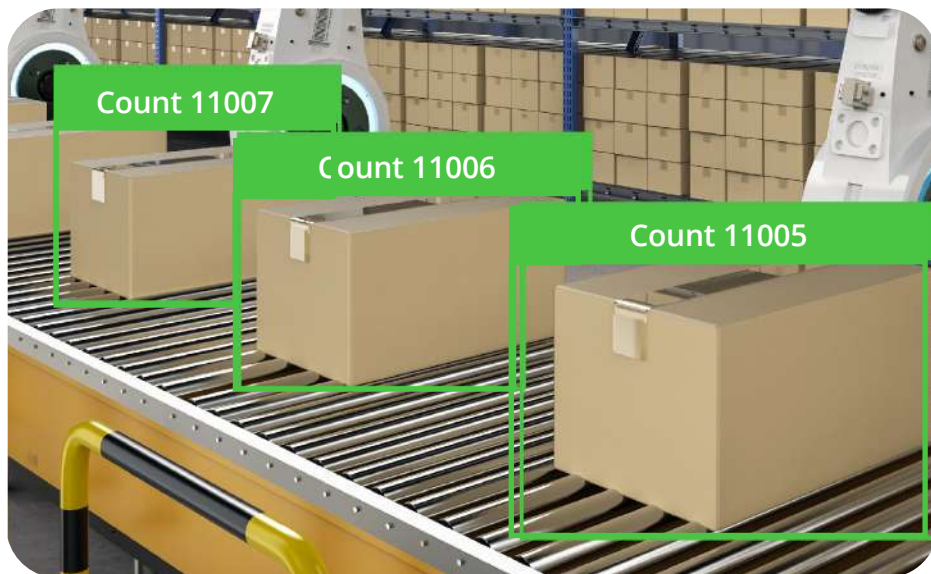**Blacklisted Person Detection**

Theft/ Pilferage Prevention

Person Collapsed Detection

Operations Modules

Automatic Number Plate Recognition

Smart Conveying

Employee Productivity Analysis

Loading & Unloading Time Check

Authorised Person

Pipeline Leakage Detection

Hygiene Modules

Hand Wash Detection

Cleaning/ Mopping Detection

Face Mask Adherence

Forensic & Advanced Analytics

Real Time Alerts On Video Wall

Centralised & Remote Monitoring

Forensic/ Legal Case Investigation

Flow Diagram

Easy Implementation

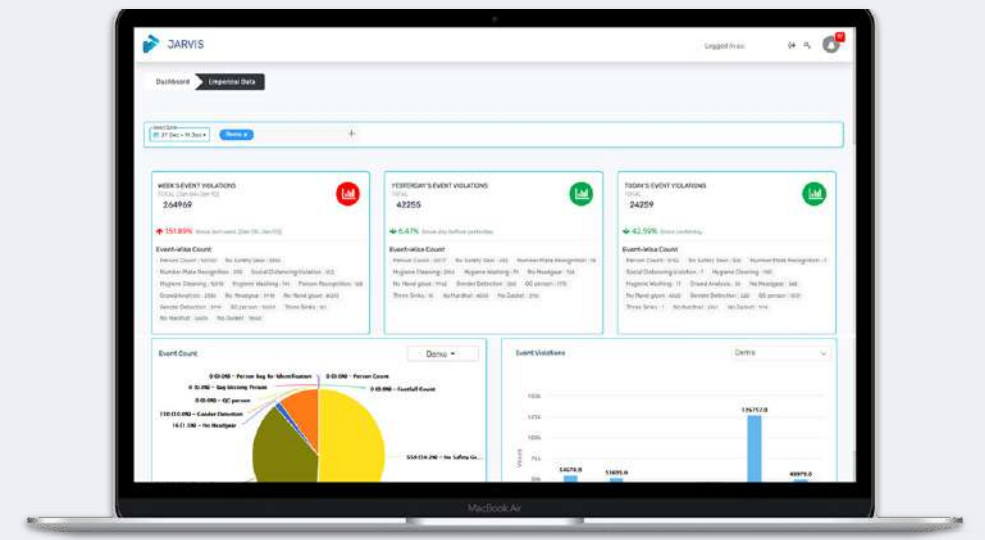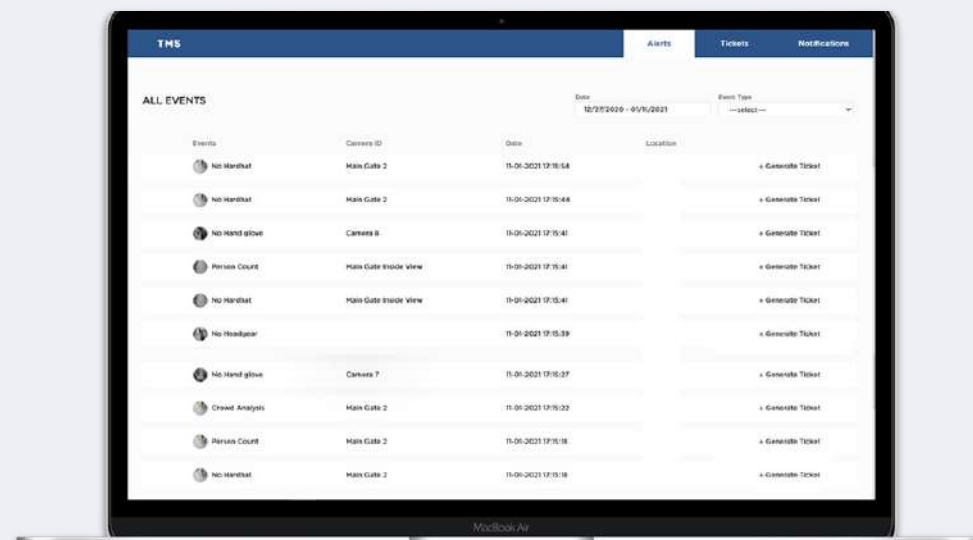| Suitably Positioned Cameras | DVR/NVR | Consistent Internet | JARVIS (AI Engine) | Instant Insights (Remote Client) |

Dashboard
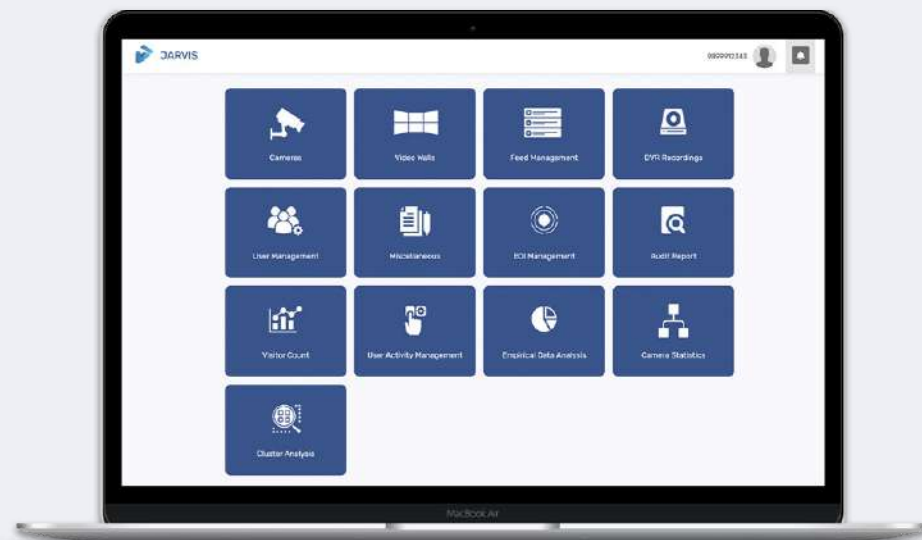
JARVIS VMS Dashboard

Real- Time Alerts On Video Wall

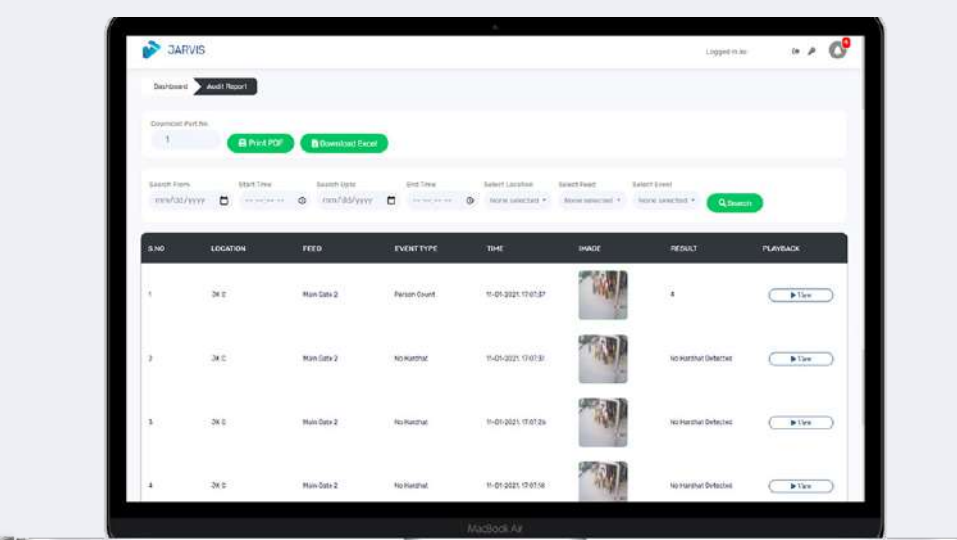**Reports & Analytics**

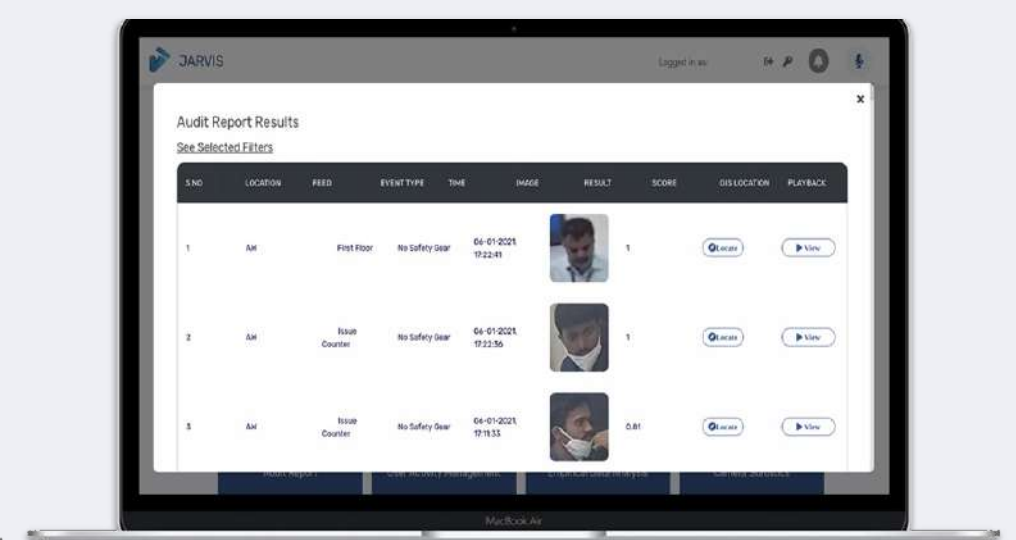**Ticket Management System**

Audit Reporting & Tracking

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THANK YOU

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