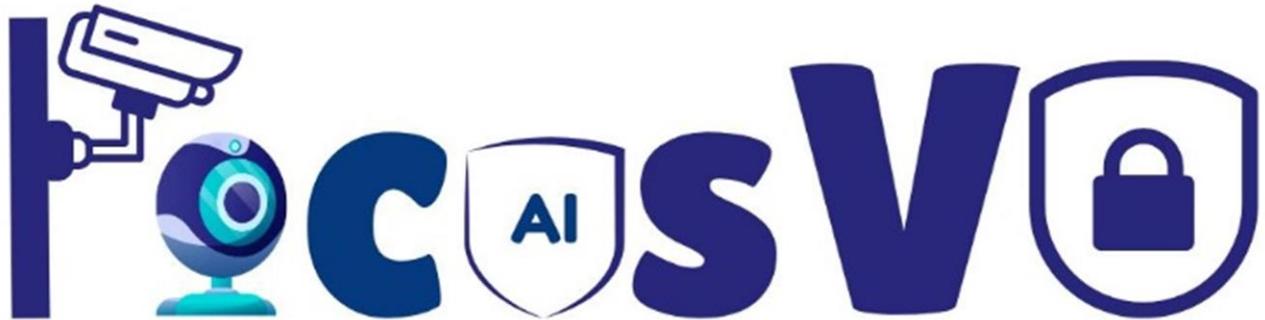


“The Power of Intelligent Vision”



Detect. Decide. Defend, Instantly



The Eye of Future Security

Mr. Sumiit Katyal



FocusVU for Agriculture & Allied Industries

Overview

The agriculture and allied industries—including agro-warehousing, cold storage, agro-processing plants, and rural logistics—face unique challenges related to theft, contamination, operational safety, and low visibility in vast or remote environments. FocusVU.ai, powered by ASIM Navigation India Pvt. Ltd., addresses these challenges through AI-enhanced surveillance that delivers intelligent monitoring, early alerts, and operational insights.

1. AGRICULTURAL WAREHOUSES (GRAIN, SEED, FERTILIZER STORAGE)

Problem Statement

- Theft or pilferage of stored inventory (especially after harvest season)
- No real-time tracking of entry/exit of personnel or vehicles
- Manual surveillance fails to capture irregular activities at night or in remote locations

AI-Powered Solution Table

Area	No. of Cameras	Key AI Features
Entry/Exit Gates	2	Face Recognition, Vehicle Plate Recognition
Loading Bays	2	Activity Detection, Movement Verification
Storage Aisles	6	Shelf Tampering, Object Removal Alert
External Perimeter	4	Human Intrusion Detection, Fence Line Monitoring

Advantages

- Automated alerts during off-hours or holidays
- Visual verification for dispatch and receipt of goods
- Improved worker accountability and safety
- Data logging for audit and compliance

ROI & Financial Benefits

- 40–60% reduction in inventory loss or theft
- Reduced manpower dependency (night security)
- ROI within 12–15 months through loss prevention

2. COLD STORAGE FACILITIES

Problem Statement

- Spoilage due to unnoticed door access or HVAC failure
- Lack of monitoring on sensitive produce zones
- High energy consumption due to delayed maintenance alerts

AI-Powered Solution Table

Zone	No. of Cameras	Key AI Features
Entry/Exit Points	2	Temperature Log Integration, Access Detection
Cold Room Interiors	4	Visual Monitoring of Packaging & Stacking
Compressor Area	1	Fire/Smoke Detection, Overheating Alert

Advantages

- Door-open alert systems with timer threshold
- Reduces unplanned downtime with predictive alerts
- Integrates with temperature/humidity loggers

ROI & Financial Benefits

- Reduction in spoilage: ₹4–6 lakhs/year per facility
- Power optimization through usage pattern analytics
- Ensures FSSAI and HACCP compliance via audit footage

3. AGRO-PROCESSING UNITS (RICE, DAIRY, OIL MILLS, ETC.)

Problem Statement

- Limited visibility of production lines in real time
- Employee non-compliance with hygiene/PPE protocols
- Lack of proof during quality assurance claims or disputes

AI-Powered Solution Table

Area	No. of Cameras	Key AI Features
Processing Floor	6	PPE Compliance (Cap, Gloves), Hygiene Audit
Packing & Sorting Area	4	Speed Analytics, Unattended Object Alerts
Utility Zones	2	Fire, Smoke, Overload Detection

Advantages

- Maintains quality assurance and hygiene compliance
- Video records for client dispute resolution
- Monitors unauthorized movement or downtime

ROI & Financial Benefits

- 70% fewer quality-related complaints
- ₹2–3 lakhs annual savings in compliance and downtime
- 100% audit-ready with incident time stamping

4. RURAL PROCUREMENT CENTERS / MANDIS

Problem Statement

- Irregular activities during auction or unloading
- Mismanagement in weighing and dispatching
- Overcrowding and safety non-compliance

AI-Powered Solution Table

Zone	No. of Cameras	Key AI Features
Auction Area	4	Crowd Monitoring, Queue Analysis
Weighbridge	2	Tampering Alerts, License Plate Logging
Sorting Zones	3	Worker Monitoring, Object Tracking

Advantages

- Enhances transparency during peak procurement
- Helps build farmer trust in procurement system
- Crowd flow control to avoid bottlenecks

ROI & Financial Benefits

- Increased throughput during seasonal peaks
- Reduced wastage and manual processing errors
- Greater accountability = more repeat participation by farmers

Conclusion

FocusVU.ai provides a robust, intelligent, and scalable surveillance solution tailored for agriculture and allied sectors. From reducing post-harvest losses to improving compliance in processing units, our AI-enhanced systems transform security into strategic advantage.

To explore implementation options or request a pilot, visit: www.FocusVU.ai