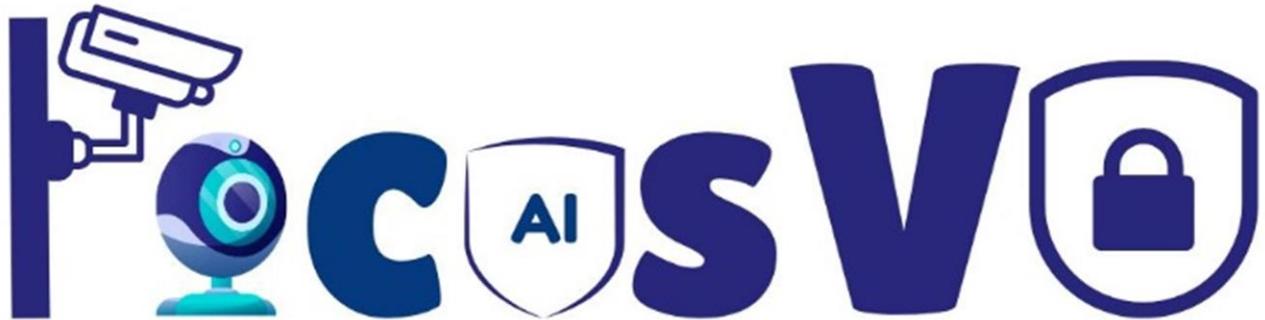


"The Power of Intelligent Vision"



Detect. Decide. Defend, Instantly



The Eye of Future Security

Mr. Sumiit Katyal



FocusVU for Construction Sites (Builder's Perspective)

Overview

Construction sites are high-risk, high-investment zones where delays, inefficiencies, theft, and safety violations can derail timelines and inflate budgets. FocusVU.ai provides AI-powered CCTV surveillance tailored for the builder's perspective—ensuring better contractor accountability, worker productivity, material security, and progress tracking across multiple project stages.

1. WORKFORCE PRODUCTIVITY & CONTRACTOR PERFORMANCE

Problem Statement

- Lack of visibility into on-ground worker productivity
- Difficulty in tracking contractor shifts, idle manpower, and missed milestones

AI-Powered Solution Table

Area	No. of Cameras	Key AI Features
Work Zone Floors	6	Labor Count, Zone-Wise Movement Heatmap, Task Duration
Entry/Exit Points	4	Face Recognition, Attendance Logging
Material Handling Area	2	Activity Detection, Time-Stamped Task Analytics

Advantages

- Contractor billing validated against video-based man-hour tracking
- Identifies underutilized zones and contractor inefficiencies
- Reduces dependency on site supervisors for reporting

ROI & Builder Benefits

- ₹5–10 lakhs/month saved through improved labour utilization
- Accelerates project milestones by 10–15%
- Provides audit trail for dispute resolution with contractors

2. MATERIAL SECURITY & LOSS PREVENTION

Problem Statement

- Theft of expensive construction material (cement, steel, tiles)
- No alert system for unauthorized night movements

AI-Powered Solution Table

Area	No. of Cameras	Key AI Features
Material Storage Zone	4	Object Movement, Vehicle Tracking, Entry Timing Logs
Unloading Bays	2	Job Card Matching, Activity Tracking
Outer Perimeter	4	Intrusion Detection, Fence Line Monitoring

Advantages

- Theft alerts reduce pilferage during off-hours
- Better tracking of inbound/outbound delivery claims
- Supports insurance documentation with video proof

ROI & Savings

- ₹2–3 lakhs/month in theft prevention across large sites
- Reduces need for 24/7 physical guards
- Supports billing reconciliation for materials received

3. SAFETY COMPLIANCE & INCIDENT RESPONSE

Problem Statement

- Poor visibility into PPE usage (helmets, harnesses, jackets)
- Delays in responding to site accidents or unsafe behavior

AI-Powered Solution Table

Area	No. of Cameras	Key AI Features
Scaffold Zones	4	PPE Compliance Alerts, Fall Detection
Excavation Sites	3	Safety Perimeter Violation, Activity Monitoring
Control Cabin	1	Live Alert Dashboard, Emergency Notification Module

Advantages

- Automated alerts for safety breaches
- Reduces accident-related work stoppages
- Helps fulfill compliance requirements from safety regulators

ROI & Safety Gains

- Reduces accident downtime by 30–40%
- Prevents penalties from regulatory non-compliance (₹1–2 lakh/incident)
- Builds safer work culture and lowers insurance premiums

4. PROJECT PROGRESS MONITORING & TIMELINE MANAGEMENT

Problem Statement

- Lack of centralized visibility across multi-floor or multi-site projects
- Misalignment between actual progress and contractor claims

AI-Powered Solution Table

Area	No. of Cameras	Key AI Features
Tower/Block Levels	6	Time-Lapse Video Recording, Progress Mapping
Site Office Dashboard	1	Visual Analytics, AI Summary of Task Completion
Drone Feed (Optional)	1	Weekly Site Scan + Measurement Overlay

Advantages

- 360° visibility into construction phases and delays
- Supports progress review meetings with visual evidence
- Enhances trust between developer, contractor, and investor

ROI & Developer Impact

- 15–20% faster decision-making on delays or bottlenecks
- ₹10+ lakhs saved by preventing idle workdays and missed deadlines
- Improves transparency with stakeholders

FocusVU.ai Builder-Focused Advantages

- Reduces dependency on site supervisors for manual reporting
- Enhances contractor accountability with time-stamped proof
- Reduces theft and safety risks across all phases
- Provides video proof for vendor, insurer, or audit needs
- Scalable for single-site or multi-site construction firms

Conclusion

FocusVU.ai is a vital tool for construction firms and developers seeking visibility, accountability, and safety at every step of the build process. With AI-enabled surveillance, builders can ensure projects stay on track, budgets stay in check, and contractors deliver what they commit.

Request a tailored construction site demo at: www.FocusVU.ai