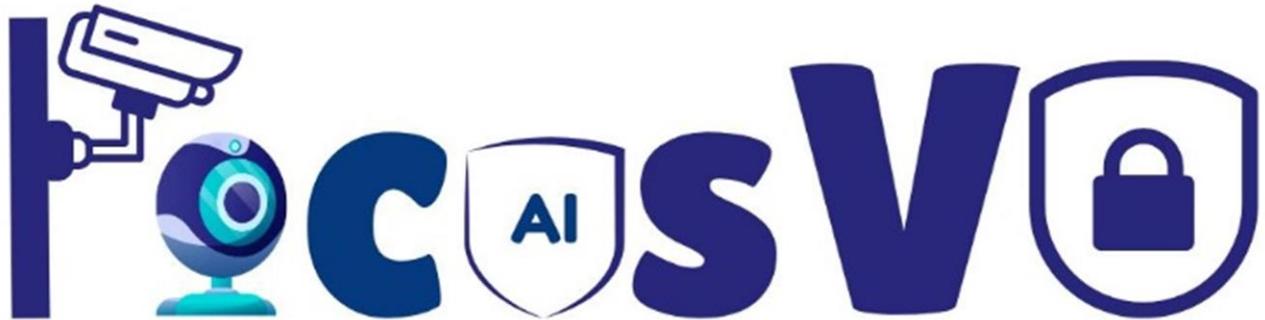


**"The Power of Intelligent Vision"**



**Detect. Decide. Defend, Instantly**



**The Eye of Future Security**

**Mr. Sumiit Katyal**



## FocusVU for Fuel Stations (Petrol, Diesel, CNG, LPG)

### Overview

Fuel stations are sensitive, high-traffic zones where safety, theft prevention, fire risk, and operational control are critical. With round-the-clock operations, manual monitoring is error-prone and reactive. FocusVU.ai empowers fuel stations with AI-integrated CCTV surveillance that ensures safety, efficiency, and compliance—reducing risk while increasing operational transparency.

### 1. FUEL DISPENSING ZONES

#### Problem Statement

- Pilferage during fuel dispensing
- Customer-operator disputes over quantity or spillage
- Unauthorized smoking or mobile phone use near fuel

#### AI-Powered Solution Table

Area	No. of Cameras	Key AI Features
Dispensing Bays	4	Object Detection (Fuel Gun), Tampering Alert, Gesture Alerts
Operator Kiosks	2	Identity Tracking, Transaction Sync with CCTV Footage
Canopy Overview	2	Fire/Smoke Detection, Human Activity Mapping

#### Advantages

- Time-stamped video linked with transaction logs
- Prevents disputes with customers via video evidence
- Pre-alerts for flame/smoke near pumps

### **ROI & Financial Benefits**

- Reduces pilferage by 60–70%
- ROI in < 10 months from fraud prevention and customer protection
- Enables insurance claims and liability protection

## **2. UNDERGROUND TANK & STORAGE AREA**

### **Problem Statement**

- Fuel theft or unauthorized access during refilling
- Spillage or fire risks in tank zones

### **AI-Powered Solution Table**

<b>Area</b>	<b>No. of Cameras</b>	<b>Key AI Features</b>
<b>Tanker Unloading Zone</b>	2	Activity Monitoring, Auto-Timestamped Recordings
<b>U/G Tank Entry Area</b>	2	Intrusion Detection, Flame/Smoke Pre-Alert

### **Advantages**

- Protects against internal/external theft
- Enhances safety compliance with OMC norms
- Alerts for unsafe operations during tanker refills

### **ROI & Financial Benefits**

- Avoids ₹3–5 lakhs/year in unauthorized withdrawals
- Prevents penalties for safety violations
- Strengthens audit trails for fuel movement

## **3. CASH COUNTER & CONTROL ROOM**

### **Problem Statement**

- Theft, miscounting, or overcharging during manual billing
- No real-time alert mechanism for armed threat or robbery

### **AI-Powered Solution Table**

<b>Area</b>	<b>No. of Cameras</b>	<b>Key AI Features</b>
<b>Cash Counter</b>	2	Panic Gesture Detection, Face Recognition
<b>Back Office/Control</b>	2	Operator Monitoring, Safe Tampering Alerts

### **Advantages**

- Detects threat or suspicious behaviour in real-time
- Enhances accountability of staff handling cash
- Video footage linked to register logs

### **ROI & Financial Benefits**

- Reduces cash discrepancies by 80%
- Saves up to ₹2–4 lakhs/year through employee accountability
- Boosts safety confidence for night shift workers

## **4. PERIMETER & ENTRY/EXIT ROADS**

### **Problem Statement**

- Vehicle theft or drive-offs without payment
- No record of vehicle movement in case of criminal activity

### **AI-Powered Solution Table**

<b>Area</b>	<b>No. of Cameras</b>	<b>Key AI Features</b>
<b>Entry/Exit Points</b>	2	ANPR (Auto Number Plate Recognition)
<b>Perimeter Fence</b>	2	Fence Crossing Alert, Suspicious Loitering
<b>Parking/Waiting Zone</b>	2	Object Left Behind, Crowd Gathering Detection

### **Advantages**

- Prevents drive-offs and fuel thefts
- Improves nighttime perimeter safety
- Captures key evidence in case of vandalism or disputes

### **ROI & Financial Benefits**

- Reduction in non-payment cases by up to 90%
- Faster dispute resolution with evidence
- ₹5+ lakhs/year saved in loss prevention & incident management

### **FocusVU.ai Advantages for Fuel Retail Networks**

- Seamless integration with billing & POS systems
- 24x7 AI-enabled monitoring across operational and safety zones
- Cloud or LAN-based command center compatibility
- AI-trained to ignore routine behaviour and reduce false alarms
- Scalable for single pump or multi-location networks

## **Conclusion**

FocusVU.ai provides a high-impact, AI-driven surveillance solution designed specifically for fuel stations, CNG/LPG refuelling points, and allied petroleum infrastructure. It reduces risk, prevents fraud, and enhances operational safety—delivering measurable ROI in a matter of months.

Explore integration and demo options at: [www.FocusVU.ai](http://www.FocusVU.ai)