# AllGoVision
### see. sense. secure

# Case Study


**AllGoVision Video analytics applications for Power, Oil and Gas**

## Project Description

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| **End User**: | Hindustan Petroleum Corp Ltd |
| **Location:** | Multiple locations of HPCL in India: Warangal, Bharatpur, Kandla, Mathura, Bharatpur Rd, Sugauli and Raipur |
| **Vertical Market**: | Oil & Gas |
| **Cameras Installed**: | 135 |
| **Features**: | People Counting, Illegal Parking, Camera Tampering, Trespass, Tripwire, Auto PTZ Tracking, Loitering, Tailgating |
| **System Integrator**: | Score Information Technologies |
| **VMS**: | Verint Nextiva |

**Enforcing strict security protocols in facility premises was a major challenge for Hindustan Petroleum Corporation. AllGoVision Technologies helped bridge this security gap with its Advanced Video Analytics Solution. The Solution was leveraged for Intrusion Detection, Intelligent Vehicle Management and People Counting capabilities.**

## Customer Requirement

Established in 1974, Hindustan Petroleum Corporation Limited (HPCL) is one of the biggest players in the Oil and Natural Gas Industry. Headquartered in Mumbai, the company operates in multiple cities, producing a wide range of petroleum fuels and other specialties of fuel and natural gas. Since oil and gas are a vital link to our nation's critical infrastructure, security is and will continue to be one of the biggest priorities of the industry. Amid these growing concerns for security, HPCL consulted us for a solution that would bridge multiple security gaps thereby protecting critical assets like reservoirs, wells, product loading racks, entering, and leaving facilities for the pipelines, buildings, support systems, and additional equipment.

The requirement was for a robust and accurate Alarm Monitoring Solution that would prevent unauthorized entry to refinery premises, limit the vandalism of resources and help monitor critical infrastructure 24x7. The Corporation was also seeking a People Counting based solution that would count the number of individuals entering and exiting premises to optimize staff operational hours.

## AllGoVision Solution

AllGoVision Technologies helped address concerns of HPCL through Advanced Video Analytics Solution. HPCL Facilities in Warangal, Bharatpur, Kandla, Mathura, Bharatpur Road, Sugauli, and Raipur were under complete surveillance through 24x7 Intrusion Detection and Alarm Monitoring capabilities. In addition, AllGoVision Team also deployed sophisticated tracking analytics designed to identify significant activities like camera tampering, perimeter breaching, loitering, vehicles approaching the refinery, and more.

**Intelligent Parking Management :**

AllGoVision deployed its Intelligent Parking Management solution to detect illegally parked vehicles on the premises of the Hindustan Petroleum Corporation Limited. The Illegal Parking capability detects parked vehicles in a virtually marked area beyond a pre-set time. It also prevents unnecessary congestion near the entry and exit gates of a facility.

**People Counting:**

AllGoVision' s People Counting based Solution counts the number of individuals entering and exiting the Corporation facilities. The Corporation has used this feature for employee monitoring.

**Intrusion Detection:**

AllGoVision deployed their Advanced Intrusion Detection Solution with multiple features like Tripwire, Trespass, and Camera Tampering to ensure complete compound security. The Tripwire feature identifies the persons or objects crossing a virtual line drawn in the boundary of the premise in the camera view. Similarly, the Trespass feature detects the entry of persons or objects in a virtual area marked by restricted zones.

The Auto PTZ Tracking detects a violation of restricted zones with a closer view of the violator, which can be later used for evidence and monitoring. Since different PTZ- pre-set positions can be assigned to different regions, analytics can be run on multiple pre-set regions to monitor each of these regions concurrently.

Camera Tampering detects camera tampering efforts where the violator tries to change or obstruct the camera view. The instant identification and alarm monitoring help sabotage vandalism attempts.

**Suspicious Behaviour Detection:**

AllGoVision Technologies used advanced tracking analytics to detect loitering and tailgating. Loitering Detection feature detects the presence of a vehicle in a virtually marked area beyond a specific time. Tailgating Detection feature identifies individuals or vehicles that are closely following the individuals/vehicles preceding them to gain unauthorized entry to an area.

Each of these features is backed by 24X7 Alarm Monitoring whereby the concerned authorities can monitor live video feeds and take quick action in the event of a security breach.

## Alarm Center

AllGoVision has a dedicated Alarm Management Client, the Alarm Center that provides alarm images and videos in real-time. The Alarm Centre has multiple features to view, search, report, and analyse the generated alarm(s). In addition, it also has options for setting the Alarm Filters depending on time, type, color, size, speed & aspect ratio of the alarms.

## Solution Benefits

AllGoVision's Real-Time Video Analytics Solution played a vital role in the quick and timely monitoring of Hindustan Petroleum Corporation Limited's facilities. Our Solution enhanced the safety standards of Corporation's premises by detecting intrusion and preventing unauthorized entry/access. To strengthen security practices, our Analytics Application takes the video feed from the Verint Nextiva Video Management System, analyses it, and displays alarms in the event of intrusions. Our Advanced Video Analytics Solution is equipped with Deep Learning algorithms that increase accuracy and decrease false alarms by distinguishing human beings from objects and shadows. The accurate alarms enable the authorities to take timely action thereby preventing security breaches and vandalism.

### About AllGoVision

AllGoVision's Video Analytics solutions have been deployed in surveillance applications ever since 2009. Headquartered in Bangalore with branches in the US, Dubai, Egypt and Korea, AllGoVision is a leading video analytics software and has a global spread of sales partners, with proven installations worldwide. It has dedicated itself into in-depth research and product innovation. AllGoVision video analytics software is equipped with 40 plus basic and advanced Video Analytics features. It is an Open Platform Analytics integrated with many VMS manufacturers. AllGoVision focuses on providing following benefits to its customers – robust performance, cost efficiency, ease of use and customization.