

SOLUTIONS CATALOGUE

AI video analytics for every site

Twelve ready solutions built on one platform, running on your premises with your IP cameras. Buy the licences once, or subscribe with updates and support included.

Smart Office

Attendance, visitors, security and workplace insight for offices, from entrance and office cameras.

Perimeter Intrusion

Person, vehicle, animal and boat intrusion along boundaries and waterfronts, with an alert and a snapshot within seconds.

Gate and Parking Management

Every vehicle in and out recorded by number plate, with alerts on listed and unreadable plates.

Workplace Safety

Fewer injuries, fewer stoppages: PPE lapses and safety incidents caught on the shop floor as they happen.

Fire and Smoke Early Warning

Minutes matter: flames and smoke spotted on the cameras you already have, with an alert to the control room and mobile at once.

Warehouse Safety

Forklifts and people share the same aisles: near misses, blocked fire exits and fire spotted early, on the cameras you already have.

Complete Plant Safety and Uptime

One set of licences for every shop-floor camera: productivity, people safety and fire early warning together.

Plant, Machine and Utility Monitoring

More output from the machines you already have: downtime measured per machine and shift, alarms acted on at once, instruments read without manual rounds - no PLC wiring.

Retail and Branch Analytics

Footfall, peak hours, queues and dwell, measured at every store or branch.

Space Utilisation

Desk, meeting-room and common-area use measured by hour and weekday, shown as spaces, not people.

Control Room and Video Wall

A video wall that shows what needs attention first, and a standard procedure for every alert.

Remote Monitoring Service

DNS operators watch your alerts, verify them and contact the right people, for sites without their own security desk.

Industry focus: Plastics & Rubber Manufacturing, Power Plants and Substations, Water and Wastewater Treatment, Ports, Harbours and Waterfronts.

Smart Office

Attendance, visitors, security and workplace insight for offices, from entrance and office cameras.

Who it is for

- Offices and corporate campuses
- IT parks and co-working spaces
- Back offices and service centres

What you gain

- Attendance without cards or registers
- Visitors told apart from staff, hosts informed
- After-hours and unauthorised-entry alerts
- Traffic and peak-hour reports for planning

WHAT IT DOES

Attendance

First arrival and last departure per employee, hours on site, late arrivals and early exits, daily report by e-mail.

Visitor management

Unknown visitors get an anonymous profile and repeat visits are linked; registered visitors are recognised and their host is notified.

Unauthorised entry and tailgating

Alerts when an unrecognised person enters a restricted area, or a second person follows through a door.

After-hours monitoring

Every analytic has its own schedule; presence or movement out of hours raises an alert.

Crowding

Alerts when lobbies, pantries or meeting rooms hold more people than allowed.

Traffic and peak hours

People counts by entrance, hour and day, with heat maps of movement.

Licences · one-time or by subscription

Core licence

Face Recognition (entrance cameras)

Attendance Management

Visitor Management

Attendance and visitor recognition need entrance cameras near eye level; ceiling cameras serve people analytics. Runs on the Client's premises on standard IP cameras (RTSP / ONVIF); alerts reach the web and mobile app, WhatsApp, SMS, e-mail, Telegram or a siren.

Perimeter Intrusion

Person, vehicle, animal and boat intrusion along boundaries and waterfronts, with an alert and a snapshot within seconds.

Who it is for

- Warehouses and logistics parks
- Plants, depots and solar farms
- Campuses, estates, jetties and waterfronts

What you gain

- Intruders detected as they cross the line
- Fewer false alarms from animals, shadows and posters
- Guards act on a snapshot, not a siren alone
- Evidence for every event

WHAT IT DOES

Intrusion zones

Person, vehicle, animal and boat detection in zones drawn on each camera view.

Line crossing

Tripwires with direction, for fences, gates and boundaries.

Loitering

Alerts when someone stays near the boundary - or a boat near a jetty - longer than allowed.

Animal-aware detection

Recognises monkeys, goats, pigs, deer, leopards and tigers as animals, rather than as people.

Schedules and PTZ

Arm zones by time of day; on PTZ cameras the zones follow the camera as it moves.

Sirens and notifications

Relay output to sirens or lights, and alerts by app, WhatsApp, SMS, e-mail or Telegram; camera tamper alerts.

Drones overhead

EXPERIMENTAL · FREE DURING THE TRIAL

Alerts when a drone flies over the site; birds, aircraft and helicopters are ignored. Range depends on the camera: as a guide, about 30 m with a standard 2 MP wide-angle camera, and about 100 m with a 2 MP camera and 12 mm lens, a 4 MP camera and 8 mm lens or a 4K camera and 6 mm lens - a narrower view, so more cameras for wide coverage. Daylight only at present.

Licences · one-time or by subscription

Core licence

Camera count and placement along the perimeter are confirmed during the site survey. Runs on the Client's premises on standard IP cameras (RTSP / ONVIF); alerts reach the web and mobile app, WhatsApp, SMS, e-mail, Telegram or a siren.

Gate and Parking Management

Every vehicle in and out recorded by number plate, with alerts on listed and unreadable plates.

Who it is for

- Housing societies and campuses
- Factories and logistics yards
- Parking operators

What you gain

- A digital vehicle register in place of manual logs
- Instant alerts on blacklisted or VIP vehicles
- Overstay and wrong-way alerts
- Search any vehicle's history by plate

WHAT IT DOES

Number plate recognition

Reads Indian number plates at entry and exit lanes.

Vehicle register

Each entry is paired with its exit, giving the duration of every visit.

Plate lists

Blacklist, VIP and staff lists with alerts when a listed vehicle arrives.

Unreadable plates

Alert with the vehicle image when a plate cannot be read.

No parking and wrong way

Alerts for vehicles that stop where they must not, or drive against the arrow.

Vehicle counts

Vehicles in and out by hour and day.

Licences · one-time or by subscription

Core licence

ANPR (gate lane cameras)

Number plate recognition needs a dedicated lane camera framed on the plate. Runs on the Client's premises on standard IP cameras (RTSP / ONVIF); alerts reach the web and mobile app, WhatsApp, SMS, e-mail, Telegram or a siren.

Workplace Safety

Fewer injuries, fewer stoppages: PPE lapses and safety incidents caught on the shop floor as they happen.

Who it is for

- Factories and process plants
- Construction sites
- Warehouses and utilities

What you gain

- Fewer lost-time injuries and the production stoppages they cause
- Lower compliance and insurance risk, with evidence for audits
- Faster response when someone falls
- Safety reports by area and shift

WHAT IT DOES

PPE compliance

Helmet and safety vest, with gloves, boots, masks, harnesses, ear and eye protection available where required.

Fall detection

Alerts when a person falls and stays down.

Danger zones while machines run

Alerts on entry into a press or machine zone only while that machine is running, read from its indicator lamps - no false alarms during changeovers and maintenance (with Machine and Gauge Monitoring).

Restricted areas and crowding

Alerts on entry into hazardous zones by schedule, and when too many people gather.

Phone use

Alerts on phone use where it is not permitted, such as near machinery.

Posters ignored

People in posters and safety signage are not mistaken for workers.

Licences · one-time or by subscription

Core licence

PPE Compliance

PPE models are tuned on the site's own footage during the Proof of Concept. Runs on the Client's premises on standard IP cameras (RTSP / ONVIF); alerts reach the web and mobile app, WhatsApp, SMS, e-mail, Telegram or a siren.

Fire and Smoke Early Warning

Minutes matter: flames and smoke spotted on the cameras you already have, with an alert to the control room and mobile at once.

Who it is for

- Warehouses and godowns
- Cable galleries, electrical and battery rooms
- Factories, coal and material yards

What you gain

- Earlier warning in large or open areas, where ceiling detectors react late or not at all
- Stock, plant and business continuity protected
- A snapshot shows what is burning and where
- Look-alikes checked: lamps, sunlight, fog

WHAT IT DOES

Flames

Flames detected on camera and checked for flicker, so steady orange lights, sunsets and pictures of fire are ignored.

Smoke

Smoke detected and checked for drift; haze or fog over the whole picture is ignored.

Confirmed before alerting

An alert only when the detection holds over several seconds; one alert per fire.

Expected flames excluded

Furnace windows, stoves or a lamp at a shrine are drawn out of the watched area.

Critical alerts

Snapshot to the control room, mobile app, WhatsApp or SMS, with escalation and a siren output.

With your other analytics

Intrusion and after-hours presence on the same cameras with the Core licence.

Licences · one-time or by subscription

Core licence

Fire and Smoke Early Warning

Commissioned after a validation on the site's own cameras. It supplements, and does not replace, certified fire detection and alarm systems. Runs on the Client's premises on standard IP cameras (RTSP / ONVIF); alerts reach the web and mobile app, WhatsApp, SMS, e-mail, Telegram or a siren.

Warehouse Safety

Forklifts and people share the same aisles: near misses, blocked fire exits and fire spotted early, on the cameras you already have.

Who it is for

- Warehouses, distribution and fulfilment centres
- Plant stores, docks and dispatch areas
- Cold stores, godowns and CFS sheds

What you gain

- Fewer forklift injuries - near misses become a record to act on
- Aisles, walkways and fire exits kept clear
- Earlier warning of fire among stacked goods
- Evidence for safety audits and insurers

WHAT IT DOES

Forklift near misses

An alert with a snapshot when a person comes within the set distance of a moving forklift or reach truck; the driver is ignored, one alert per encounter.

Forklifts in pedestrian areas

Alerts when a forklift drives into a walkway, canteen, office entrance or other pedestrian-only area.

Aisles and fire exits kept clear

Alerts when a pallet truck or a parked forklift stands in an aisle, walkway, fire exit or in front of an extinguisher or electrical panel longer than allowed; pallets and goods left there are reported as something on the floor.

Something on the floor

Spills with a sheen, spilled granules, dropped goods or debris that stay on a walkway.

Fire and smoke

Early visual warning of flames and smoke among racks and stacked goods, checked against look-alikes.

After hours

Intrusion and presence alerts at docks and stores outside working hours.

Licences · one-time or by subscription

Core licence

Forklift and Warehouse Safety

Fire and Smoke Early Warning

Commissioned after a validation on the site's own cameras, where the near-miss distance is set. Fire detection supplements, and does not replace, certified fire detection and alarm systems. Runs on the Client's premises on standard IP cameras (RTSP / ONVIF); alerts reach the web and mobile app, WhatsApp, SMS, e-mail, Telegram or a siren.

Complete Plant Safety and Uptime

One set of licences for every shop-floor camera: productivity, people safety and fire early warning together.

Who it is for

- Moulding, press and fabrication shops
- Process plants
- Warehouses with machinery and forklifts

What you gain

- More output: machine idle and fault time made visible
- Fewer injuries and the stoppages they cause
- Earlier warning of fire
- One platform, one control room, one report set

WHAT IT DOES

Machine time and alarms

Running, idle and fault time per machine and shift; alerts when a machine stops or alarms.

Danger zones while machines run

Person-entry alerts at presses and machines only while they run.

PPE and falls

Helmet, vest, gloves, boots, masks, ear and eye protection where required; alerts when someone falls.

Fire and smoke

Early visual warning of flames and smoke, checked against look-alikes.

Gauges

Pressure and temperature dials read on camera with alarm ranges.

Control room

An alerts-first video wall and a standard procedure for every alert.

Licences · one-time or by subscription

Core licence

PPE Compliance

Fire and Smoke Early Warning

Machine and Gauge Monitoring

All four licences on the same camera; the perimeter and gate can be added with Perimeter Intrusion and Gate and Parking Management, and forklift safety in stores and at the dock with Forklift and Warehouse Safety. Runs on the Client's premises on standard IP cameras (RTSP / ONVIF); alerts reach the web and mobile app, WhatsApp, SMS, e-mail, Telegram or a siren.

Plant, Machine and Utility Monitoring

More output from the machines you already have: downtime measured per machine and shift, alarms acted on at once, instruments read without manual rounds - no PLC wiring.

Who it is for

- Factories: moulding, presses, extrusion, packaging lines
- Process plants and utilities
- Substations and pumping stations

What you gain

- Idle and fault time per machine and shift, so lost output can be recovered
- Faster response to trips and alarms
- Instruments read continuously, without manual rounds
- Danger zones active only while machines run

WHAT IT DOES

Machine time

Running, idle and fault time per machine and shift from indicator and andon lamps, with shift reports and a live machine board.

Alarms on lamp combinations

Alerts with your own message when lamps show a fault, a stop or a blinking warning, with severity and escalation; lamp tests are ignored.

Gauge reading

Analogue dial gauges read on camera, with an alarm when a value stays outside its safe range.

Danger zones while machines run

Person-entry alerts at a machine only while it is running - quiet during changeovers and maintenance.

Set up in minutes

Lamps are marked on the camera view and taught from snapshots - nothing on the plant is switched. If the camera is knocked slightly, the lamps are found again; if it is turned away, an alert says so.

Equipment and tamper

Alerts when monitored equipment is removed or moved, or a camera is covered or turned away.

Licences · one-time or by subscription

Core licence

Machine and Gauge Monitoring

Lamps need to be visible to a camera (about 10 pixels or more); each gauge is set up once with its scale and safe range. Runs on the Client's premises on standard IP cameras (RTSP / ONVIF); alerts reach the web and mobile app, WhatsApp, SMS, e-mail, Telegram or a siren.

Retail and Branch Analytics

Footfall, peak hours, queues and dwell, measured at every store or branch.

Who it is for

- Retail stores and showrooms
- Bank branches
- Hospitals and service centres

What you gain

- Staffing matched to footfall
- Shorter queues and waiting times
- Layout decisions based on heat maps
- After-hours security

WHAT IT DOES

Footfall counting

People in and out of every entrance, by hour and day.

Peak hours

The busiest hours of each store or branch.

Heat maps

Where customers spend their time inside the premises.

Queues

Alerts when a queue is too long or a customer has waited too long.

Crowding

Alerts when an area holds more people than allowed.

After-hours presence

Alerts on presence or movement outside business hours.

Licences · one-time or by subscription

Core licence

Counts are anonymous; no face recognition is needed. Runs on the Client's premises on standard IP cameras (RTSP / ONVIF); alerts reach the web and mobile app, WhatsApp, SMS, e-mail, Telegram or a siren.

Space Utilisation

Desk, meeting-room and common-area use measured by hour and weekday, shown as spaces, not people.

Who it is for

- Offices planning seating
- Hybrid workplaces
- Facility management teams

What you gain

- Floor space sized to real use
- Under-used meeting rooms freed up
- Cleaning and HVAC planned on actual occupancy
- Decisions based on measured data

WHAT IT DOES

Desk occupancy

Desks are marked once on the camera view; occupied and free desks are shown on a live board.

Meeting rooms

Use of each meeting room by hour and weekday.

Utilisation reports

Utilisation by floor, zone, hour and weekday.

Heat maps

Where people spend their time across the floor.

Privacy first

Aggregated views only; individuals are not tracked.

Works with existing cameras

Uses ceiling and corner cameras that already cover the floor.

Licences · one-time or by subscription

Core licence

Set up for the site's floor layout during deployment. Runs on the Client's premises on standard IP cameras (RTSP / ONVIF); alerts reach the web and mobile app, WhatsApp, SMS, e-mail, Telegram or a siren.

Control Room and Video Wall

A video wall that shows what needs attention first, and a standard procedure for every alert.

Who it is for

- Security desks and command centres
- Facility management teams
- Multi-site operations

What you gain

- Operators see alerting cameras first
- Every alert handled the same way
- Measured response times
- Fewer missed alerts

WHAT IT DOES

Alerts-first video wall

Cameras with live alerts move to the front, stay on screen for a minimum time, and critical alerts take priority.

Alert handling procedure

Acknowledge, dispatch, resolve, or mark as a false alarm with a reason.

Response targets

Target times per severity, with overdue alerts flagged.

Escalation

Unacknowledged alerts are escalated automatically to the next contact.

PTZ control

Pan, tilt and zoom from the live view.

Mobile access

Supervisors follow and handle alerts from their phones.

Licences · one-time or by subscription

Included in the Core licence

Control room set-up service

Works with the cameras and analytics of all other solutions. Runs on the Client's premises on standard IP cameras (RTSP / ONVIF); alerts reach the web and mobile app, WhatsApp, SMS, e-mail, Telegram or a siren.

Remote Monitoring Service

DNS operators watch your alerts, verify them and contact the right people, for sites without their own security desk.

Who it is for

- Sites without a security desk
- Businesses with many small sites
- Out-of-hours cover for offices and warehouses

What you gain

- Every alert checked by a trained operator
- Your contacts called in the agreed order
- Fewer unnecessary call-outs
- A monthly report on incidents and response times

WHAT IT DOES

Alert verification

Operators review the snapshot and the live view before acting on an alert.

Agreed escalation

Your contacts are reached by phone or WhatsApp in the order set out in the service order.

Coverage hours

Monitoring during the hours agreed in the service order, including nights and holidays where required.

Incident log

Every alert handled is recorded with its outcome, the person contacted and the time taken.

Monthly report

Incidents, response times, false alarms and recommended changes to the analytics.

System health watch

Cameras that go offline, are covered or are turned away are reported to you.

Licences · one-time or by subscription

Any solution licence or subscription

Remote Monitoring Service (monthly)

Active warranty, AMC or subscription

Requires a stable internet connection at the site; video is viewed remotely only while an alert is handled. Runs on the Client's premises on standard IP cameras (RTSP / ONVIF); alerts reach the web and mobile app, WhatsApp, SMS, e-mail, Telegram or a siren.

Plastics & Rubber Manufacturing

More output from every press and mill, fewer injuries and fire risks, and a gate that keeps trucks moving - from the plant's existing cameras, without PLC wiring.

Who it is for

- Injection, compression and blow-moulding plants
- Rubber mixing, extrusion and moulded-goods plants
- Tyre, hose, belting and auto-component suppliers

What you gain

- Idle and fault time per machine and shift - lost output found and recovered
- Fewer hand injuries at presses and mills, and the stoppages they cause
- Early warning of fire in granule, compound and finished-goods stores
- Faster truck turnaround at the dock

WHAT IT DOES

Machine time and gauges

Running, idle and fault time per press and line from indicator and andon lamps, with shift reports and an alert when a machine stops; hydraulic, steam and chiller gauges read with alarm ranges - no PLC wiring.

Danger zones while machines run

An alert with a snapshot when a person enters the zone of a press, mixing mill or calender while it is running - in addition to, never instead of, machine guards and emergency stops.

PPE for the job

Helmet and vest, with gloves at moulds, eye and ear protection at granulators and masks in compound areas, set per area - confirmed on the plant's own footage during the Proof of Concept.

Fire and smoke early warning

Flames and smoke spotted on camera in raw-material, compound and finished-goods stores - alongside, never instead of, certified fire detectors.

Forklifts, aisles and floors

Alerts when a person comes too close to a moving forklift, when a pallet truck or parked forklift blocks an aisle or fire exit, and when goods, spilled granules or oil are left on a walkway; moulds or dies removed out of hours.

Gate, dock and contract labour

Number-plate register with time on site and overstay alerts for transporters; face-recognition attendance for contract workers.

Where the cameras go

Area	What is watched	Licences
Press and moulding lines	Running, idle and fault time from stack lights; a person in the press zone while it runs; helmet, gloves and ear protection	Core, Machine and Gauge, PPE
Mixing mills and calenders	A person in the nip zone while the mill runs; masks in compound areas; smoke	Core, Machine and Gauge, PPE, Fire and Smoke
Granule, compound and finished-goods stores	Flames and smoke; forklift near misses; pallet trucks or forklifts blocking aisles and fire exits; spilled granules	Core, Fire and Smoke, Forklift and Warehouse Safety
Utilities: hydraulics, chillers, boilers	Pressure and temperature gauges with alarm ranges; equipment removed out of hours	Core, Machine and Gauge
Dock and dispatch	Forklift near misses; pallet trucks or parked forklifts blocking the dock	Core, Forklift and Warehouse Safety
Main gate and time office	Vehicle register with time on site and overstay alerts; attendance for staff and contract workers	Core, ANPR, Face Recognition, Attendance

What you see every day

- Shift report: running, idle and fault time per machine, with the longest stoppages
- Alerts by area and shift - danger-zone entries, PPE lapses, near misses - each with its snapshot
- Daily attendance for staff and contract workers, with late arrivals and early exits
- Gate register: every truck with its time on site; overstays highlighted
- A live machine board and an alerts-first video wall in the control room

What we need on site

- Stack lights visible to a camera, about 10 pixels per lamp or more; gauges framed with their scale
- For PPE, people at least about 120 pixels tall in the picture
- A lane camera framed on the number plate at the gate; entrance cameras near eye level for face recognition
- Store cameras covering racks and aisles; danger-zone cameras with a clear view of the machine's zone
- A server sized by us for the cameras and analytics chosen, confirmed during the Proof of Concept

Licences · one-time or by subscription

Core licence

Machine and Gauge Monitoring

PPE Compliance

Fire and Smoke Early Warning

Forklift and Warehouse Safety

ANPR (gate lane cameras)

Attendance Management

Forklift safety is commissioned after a validation on the plant's own cameras. On request, as custom analytics: press-stroke and parts counting and visual defect inspection. Runs on the Client's premises on standard IP cameras (RTSP / ONVIF); alerts reach the web and mobile app, WhatsApp, SMS, e-mail, Telegram or a siren.

Power Plants and Substations

Fewer trips missed and fewer site visits: instruments, breakers and boundaries watched around the clock from the plant's existing cameras, with the control room seeing what needs attention first.

Who it is for

- Thermal, gas and hydro power stations
- Substations and switchyards
- Solar parks and wind farm sites

What you gain

- Trips and alarms acted on at once; equipment running hours on record
- Gauges and breaker lamps read without manual rounds
- Early warning of fire in coal yards, conveyors and cable galleries
- Intruders, theft and animals stopped at the boundary

WHAT IT DOES

Gauges, breaker lamps and trips

Analogue pressure and temperature gauges read with alarm ranges; breaker and panel lamps read on camera, with an alert on a trip and running time of pumps and fans.

Fire and smoke early warning

Flames and smoke spotted on camera in coal yards, on conveyors and in cable galleries - alongside, never instead of, certified fire detection.

Perimeter and switchyard

Person, vehicle and animal intrusion along long boundaries and into switchyards, by schedule; monkeys, leopards and cattle are recognised as animals rather than as people.

Theft of equipment and cable

Alerts when monitored equipment, cable drums or panels are removed or moved, and when someone loiters near stores at night.

PPE and safe work

Helmet and vest, with ear protection in turbine halls and harnesses for work at height where required; fall alerts - confirmed on site footage during the Proof of Concept.

Trucks and control room

Number-plate register for coal, ash and fuel trucks with time on site and overstay alerts; an alerts-first video wall with a standard procedure for every alert.

Where the cameras go

Area	What is watched	Licences
Control, relay and panel rooms	Breaker and panel lamps read on camera, an alert on a trip; running time of pumps and fans	Core, Machine and Gauge
Turbine hall, boilers and auxiliaries	Pressure and temperature gauges with alarm ranges; helmet, vest and ear protection; a person who falls	Core, Machine and Gauge, PPE
Coal yard, conveyors and cable galleries	Flames and smoke; entry into conveyor and gallery zones by schedule	Core, Fire and Smoke
Switchyard and boundary	Person, vehicle and animal intrusion by schedule - monkeys, leopards and cattle told apart from people	Core
Stores and cable yard	Cable drums, equipment or panels removed or moved; loitering at night	Core
Main gate	Coal, ash and fuel trucks with time on site and overstay alerts; attendance for staff and contract workers	Core, ANPR, Face Recognition, Attendance

What you see every day

- Every trip and alarm as it happens, with a snapshot of the panel
- Running hours of pumps and fans per shift
- Gauge readings with out-of-range alerts, without manual rounds
- Intrusion and theft alerts by zone and night, each with its snapshot
- Truck register and daily attendance; an alerts-first video wall in the control room

What we need on site

- Panel and breaker lamps visible to a camera, about 10 pixels per lamp or more; gauges framed with their scale
- Boundary and switchyard cameras with IR or lighting for night
- For PPE, people at least about 120 pixels tall in the picture
- A lane camera framed on the number plate at the gate
- A server sized by us for the cameras and analytics chosen, confirmed during the Proof of Concept

Licences · one-time or by subscription

Core licence

Machine and Gauge Monitoring

Fire and Smoke Early Warning

PPE Compliance

ANPR (gate lane cameras)

Attendance Management

On request, as custom analytics: digital panel-meter reading, conveyor belt spillage and misalignment, and visible steam or oil leaks. Runs on the Client's premises on standard IP cameras (RTSP / ONVIF); alerts reach the web and mobile app, WhatsApp, SMS, e-mail, Telegram or a siren.

Water and Wastewater Treatment

Fewer site visits and faster response to pump trips: treatment plants, pumping stations and reservoirs kept secure and their instruments read - including unmanned sites, watched remotely.

Who it is for

- Water treatment plants and reservoirs
- Sewage and effluent treatment plants (STP / ETP)
- Pumping stations and intake works, often unmanned

What you gain

- Pump running hours and trips on record without site visits
- Unmanned sites watched around the clock
- Unsafe entry to chemical stores and tank edges flagged
- A record of every tanker and visitor

WHAT IT DOES

Pumps and instruments

Pump-panel lamps read on camera - running hours per pump and shift, an alert on a trip - and analogue pressure gauges with alarm ranges.

Perimeter and unmanned sites

Intrusion and after-hours alerts at reservoirs, intakes and remote pumping stations, with snapshots to the duty officer's phone or the Remote Monitoring Service.

Restricted and hazardous areas

Alerts on entry into chlorine and chemical stores, dosing rooms and tank or clarifier edges, by schedule.

Person down

An alert when someone falls and stays down - important in chemical areas and lone-worker rounds.

Tankers and deliveries

Number-plate register for chemical, sludge and water tankers with time on site and overstay alerts.

Equipment and tamper

Alerts when pumps, panels or cable are removed or moved, and when a camera is covered or turned away.

Where the cameras go

Area	What is watched	Licences
Pump houses and panel rooms	Pump-panel lamps: running hours per pump and shift, an alert on a trip; pressure gauges with alarm ranges	Core, Machine and Gauge
Chlorine and chemical stores, dosing rooms	Entry by schedule; helmet and vest; a person who falls and stays down	Core, PPE
Tank and clarifier edges	Unsafe entry by schedule; a person down	Core
Reservoirs, intakes and remote pumping stations	Intrusion and after-hours presence; a camera covered or turned away	Core, Remote Monitoring Service
Gate and tanker bay	Chemical, sludge and water tankers with time on site and overstay alerts	Core, ANPR
Stores and equipment yards	Pumps, panels or cable removed or moved	Core

What you see every day

- Running hours per pump and shift, and every trip with the time it happened
- Gauge readings with out-of-range alerts
- Intrusion and after-hours alerts from every site on one screen
- Tanker register with time on site
- For unmanned sites: alerts checked by the Remote Monitoring Service, with a monthly report

What we need on site

- Pump-panel lamps visible to a camera, about 10 pixels per lamp or more; gauges framed with their scale
- Cameras with IR or lighting for night at reservoirs and intakes
- A network link from each remote site to the server, about 4-8 Mbps per camera stream
- A lane camera framed on the number plate at the tanker gate
- A server sized by us for the cameras and analytics chosen, confirmed during the Proof of Concept

Licences · one-time or by subscription

Core licence

Machine and Gauge Monitoring

PPE Compliance

ANPR (gate lane cameras)

Remote Monitoring Service

Also available: fire and smoke early warning. On request, as custom analytics: water level against a level scale, foam and floating debris at intakes and screens, and masks and respirators in chemical areas. Runs on the Client's premises on standard IP cameras (RTSP / ONVIF); alerts reach the web and mobile app, WhatsApp, SMS, e-mail, Telegram or a siren.

Ports, Harbours and Waterfronts

Fewer breaches, fewer patrols, faster gates: restricted water and quays watched around the clock from the port's existing cameras, with the control room seeing what needs attention first.

Who it is for

- Seaports, container and cargo terminals
- Fishing harbours, jetties and passenger ferry terminals
- River and dam waterfronts, water intakes, naval and coastal sites

What you gain

- Unauthorised boats spotted before they reach a berth or intake
- Long waterfronts covered without extra patrols
- Every truck and container through the gate on record, without manual entry
- Safer quays: PPE, falls and unsafe entry flagged

WHAT IT DOES

Boats in restricted water

An alert with a snapshot when a boat or ship enters a restricted water zone - berths, jetties, intakes or restricted coastline - including small fibreglass and rubber boats.

Boats staying and boat traffic

Alerts when a boat stays near a jetty or intake longer than allowed; boats counted in and out at a harbour mouth or channel, by hour and day.

Quays and dock areas

Person and vehicle intrusion at quay edges, berths, gangways and stores, by schedule; loitering near cargo and warehouses.

Gate: trucks and containers

Container numbers and size / type read at the gate lane, check-digit verified (ISO 6346), with the truck's number plate, time on site and hold-list alerts by container or owner code.

Dock worker safety

Helmet and vest checks, fall alerts and restricted zones around cranes and stacking areas - confirmed on the port's own footage during the Proof of Concept.

Fire, terminals and control room

Fire and smoke early warning in warehouses; crowding and unattended bags at passenger terminals; an alerts-first video wall with escalation.

Where the cameras go

Area	What is watched	Licences
Berths, jetties and intakes	Boats or ships entering restricted water; boats staying too long	Core
Harbour mouth or channel	Boats counted in and out, by hour and day	Core
Quays, gangways and stacking areas	Person and vehicle intrusion by schedule; helmet and vest; falls; restricted zones around cranes	Core, PPE
Gate lanes	Container numbers and size / type, check-digit verified; the truck's number plate; hold-list alerts	Core, ANPR, Container Code Recognition
Warehouses and CFS sheds	Flames and smoke; forklift near misses; blocked aisles and fire exits	Core, Fire and Smoke, Forklift and Warehouse Safety
Passenger terminals	Crowding and unattended bags	Core

What you see every day

- Every truck and container through the gate, with container number, plate and time on site
- Hold-list matches by container or owner code, as they happen
- Boat alerts with a snapshot, and boat counts by hour and day
- Intrusion and safety alerts by area and shift
- An alerts-first video wall with escalation for the port control room

What we need on site

- Gate cameras on each side of the lane, with container characters about 25 pixels tall or more and no strong back-light; lighting or IR for night
- A lane camera framed on the number plate
- Waterfront cameras with enough pixels on distant boats; light or IR on the water at night
- For PPE, people at least about 120 pixels tall in the picture
- A server sized by us for the cameras and analytics chosen, confirmed during the Proof of Concept

Licences · one-time or by subscription

Core licence

ANPR (gate lane cameras)

Container Code Recognition

PPE Compliance

Fire and Smoke Early Warning

Forklift and Warehouse Safety

Container code reading and forklift safety (port warehouses and CFS sheds - not reach stackers or straddle carriers) are commissioned after a validation on the port's own cameras. Boats are detected as boats or ships - not their type, name or registration; distant boats need enough pixels on the camera and night cover needs light or IR on the water. On request, as custom analytics: person in the water and vessel name reading. Runs on the Client's premises on standard IP cameras (RTSP / ONVIF); alerts reach the web and mobile app, WhatsApp, SMS, e-mail, Telegram or a siren.

One-time licences or a subscription

One-time licences

A perpetual licence per camera for the Core analytics and each module, with the first year of software warranty and support included, then an Annual Maintenance Contract with updates and remote support. The lowest cost over five years.

Subscription

A monthly fee per camera and module, paid in advance each quarter or year, with software updates, AI model updates and support included throughout and no AMC. A low start-up cost; convert to one-time licences within the first year with half of the fees paid credited.

Packages combine

Use different solutions on different cameras of one site - for example Complete Plant Safety and Uptime on the shop floor, Perimeter Intrusion on the boundary and Gate and Parking Management at the gate - on one server and one control room.

Hardware to our sizing

You buy the cameras and servers to our specification; we size the server for the analytics you choose and confirm it during a Proof of Concept, so you do not over-invest in compute.

Ask for our price schedule and a quotation

Tell us your sites, cameras and the solutions you need.

info@rudravideoanalytics.com

+91 98210 46454 ·
rudravideoanalytics.com

From survey to support

1

Site survey

We review your site and cameras and agree the solution, camera placement and reports.

2

Proof of Concept

Up to four cameras for 30 days on your site, tuned on your own footage.

3

Roll-out

All cameras and sites, user training, alert routing and scheduled reports.

4

Support

Software warranty in the first year, then an Annual Maintenance Contract with updates and remote support. With a subscription, both are included throughout.

One platform

All solutions run on the same Rudra server and can be combined on one site: add a solution later by adding its licence, without new software. Buy the licences once, with an AMC from the second year, or subscribe for a monthly fee paid in advance, with updates and support included. You buy the cameras and servers to our specification and sizing; we supply the software and services.

Private by design

Video, faces and records stay on your server. Retention limits, erasure on request, role-based access and a full audit log support your obligations under the DPDP Act 2023.

Built to keep running

Health monitoring for every camera and server, automatic reconnection, nightly backups to the server or your file server, and restore to any saved point in time.

Designed and built in India

Rudra Video Analytics is developed and supported in-house by DNS Knowledge Engineering Pvt. Ltd.

Talk to us about your site

Tell us your sites and cameras - we will propose a solution, a Proof of Concept and a quotation.

info@rudravideoanalytics.com

+91 98210 46454 ·
rudravideoanalytics.com