

ASOC

Asset Security Operations Center

AI video analytics on your existing cameras, 24/7 surveillance

• [Service brochure](#)

Nothing to replace

On your current CCTV

ROI per rule

Fewer false positives

24/7

Surveillance without fatigue

Instant evidence

Snapshot per event

ConnectraCloud

Managed services for mining, energy and oil & gas



SERVICE OVERVIEW

What it is for

Turn the cameras you already own into an AI-powered surveillance system that watches without pause, alerts with evidence and operates with fewer staff.

ASOC is a video analytics platform that integrates with your operation's existing IP and CCTV cameras, without replacing the installed infrastructure. It processes the streams in real time with AI models to detect people and objects, intrusions into restricted areas and risk situations such as a person down on the ground.

Each camera and each rule is configured with regions of interest (ROI): detection zones where an event triggers an alert and exclusion zones that are ignored, which sharply reduces the false positives typical of generic detection. On every event, ASOC captures a snapshot as evidence and notifies the operations team.

The service includes a web operations dashboard, automatic email alerts and a consolidated daily report per shift. It runs on-premise/edge at the site or in the Connectra cloud, and improves over time through the operator feedback loop.

HOW IT WORKS**1****Integration over your CCTV**

We connect ASOC to your existing IP/CCTV cameras via RTSP, without replacing the installed infrastructure.

2**Rule and ROI configuration**

We define per camera the detection and exclusion zones and the type of event to watch: intrusion or person on the ground.

3**Real-time analysis and alerting**

The AI engine processes the live streams, captures an evidence snapshot per event and triggers the automatic email alert.

4**Operation and continuous improvement**

Web dashboard, daily report per shift and an operator feedback loop that fine-tunes the model over time.

— FEATURES

Features

01

Real-time detection

Identifies people and objects on the live stream of each IP/CCTV camera.

02

ROI-based intrusion

Regions of interest configurable per camera and per rule, with detection and exclusion zones.

03

Man-down detection

Detects people on the ground in hazardous areas or lone-worker situations.

04

Evidence capture

Automatic snapshot tied to each event for traceability and later review.

05

Automatic alerts

Email notification on every event, orchestrated through n8n.

06

Daily report per shift

Consolidated day and night summary emailed at the close of each shift.

07

Web operations dashboard

View events, cameras and rules from a centralized panel.

08

Feedback-driven improvement

Operators flag hits and misses, feeding a loop that fine-tunes the model.

— INDUSTRY APPLICATIONS

Use cases in mining · Use cases in oil & gas

Use cases in mining

- **Perimeter security of pits and magazines**
Detects intrusions at the mine perimeter and at explosives magazines, raising an alert with evidence instantly.
- **Man-down in hazardous areas**
Identifies personnel on the ground in lone-worker or high-risk zones and triggers an immediate alert to the shift.
- **Access control to restricted areas**
Watches substations, fuel and explosives depots, using ROI to mark areas where no presence is allowed.
- **Night-time intrusion**
Monitors accesses and perimeters at night, when the security crew is minimal, with automatic email alerts.
- **Conveyor and crushing monitoring**
Oversees process sectors such as conveyor belts and crushing with fewer staff dedicated to watching screens.

Use cases in oil & gas

- **Wellhead and remote battery surveillance**
Detects unauthorized presence at wellheads and unattended batteries, sites that usually have no staff on location.
- **Intrusion at fields and treatment plants**
Covers perimeters and accesses of fields and plants, alerting on entry into areas marked as restricted.
- **Man-down in classified zones**
Identifies personnel falls in ATEX or classified areas where rapid assistance is critical.
- **PPE control at access points**
Supports visual verification of PPE use at entry points to operating facilities.
- **Asset protection at unattended sites**
Watches remote stations and field assets without permanent presence, reducing theft and vandalism.

— WHAT SETS US APART

What sets us apart

Leverages your existing cameras

ASOC layers intelligence on top of the CCTV you already have, with no need to replace or expand equipment.

ROI configurable per rule

Detection and exclusion zones are defined per camera and per rule, cutting the false positives of generic detection.

Local operation and support in Patagonia

A platform already in production for multiple companies, with 24/7 operation, per-shift reports and close support from Connectra.

— BENEFITS

- Reduces the number of operators needed to watch multiple cameras
- Continuous 24/7 surveillance with no fatigue or loss of attention
- Fewer false positives thanks to ROI configured per rule
- Leverages your existing investment in IP and CCTV cameras
- Faster response to intrusions and emergencies with attached evidence
- Flexible deployment on-premise/edge or in the Connectra cloud

— WHY CONNECTRA

Industrial IT/OT specialists

We design for mining, energy and oil & gas, not the generic office.

Local support and infrastructure

Datacenter and support in Argentina, billed locally with electronic invoicing.

Managed 24/7 operation

We monitor and run the service so your team can focus on the business.

Single ConnectraCloud identity

One login for every service, with two-factor and SSO.

— CONTACT

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