

FACILITIES AND LOGISTICS

Vision agents for workplace safety and security

Security teams cannot watch every camera. Wexa built vision agents that detect intrusion, loitering, falls and known persons on existing CCTV, and send each event with evidence to a person for review.

~25 FPS

detection on a CPU, no GPU needed

108 ms

p95 per frame for the full 1080p pipeline

4

incident types plus cross-camera re-identification

100%

of events reviewed by a person

CLIENT

Warehouse and facilities operator

REGION

India

WHEN

2026

ENGAGEMENT

Proof of concept

WEXA COMPONENTS

Vision models at the edge · incident engine · Wexa workbench · human review

01 — CASE 29

The challenge

- Too many cameras for operators to watch
- Incidents noticed after the fact
- Privacy law on face data

What Wexa built

- ✓ Detection, tracking, pose, zones, faces and re-identification on CCTV, RTSP or video files
- ✓ Incident engine writing events with evidence images and model versions, pending review
- ✓ Edge-deployable: CPU container today; GPU, Jetson and mobile targets documented
- ✓ Privacy by design: consented gallery only, unknown faces never stored, retention rules

How it runs on Wexa

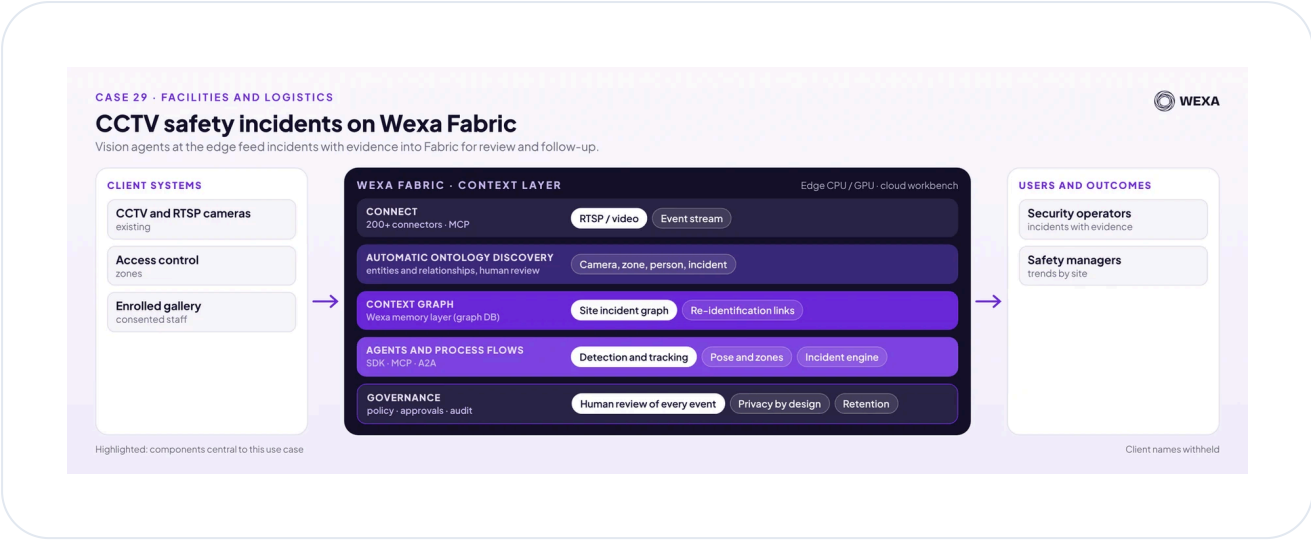


FIGURE How this use case runs on Wexa: client systems connected, ontology discovered, context graph in the Wexa memory layer, agents and process flows, and governance. Highlighted components are central to this use case.

Vision pipeline

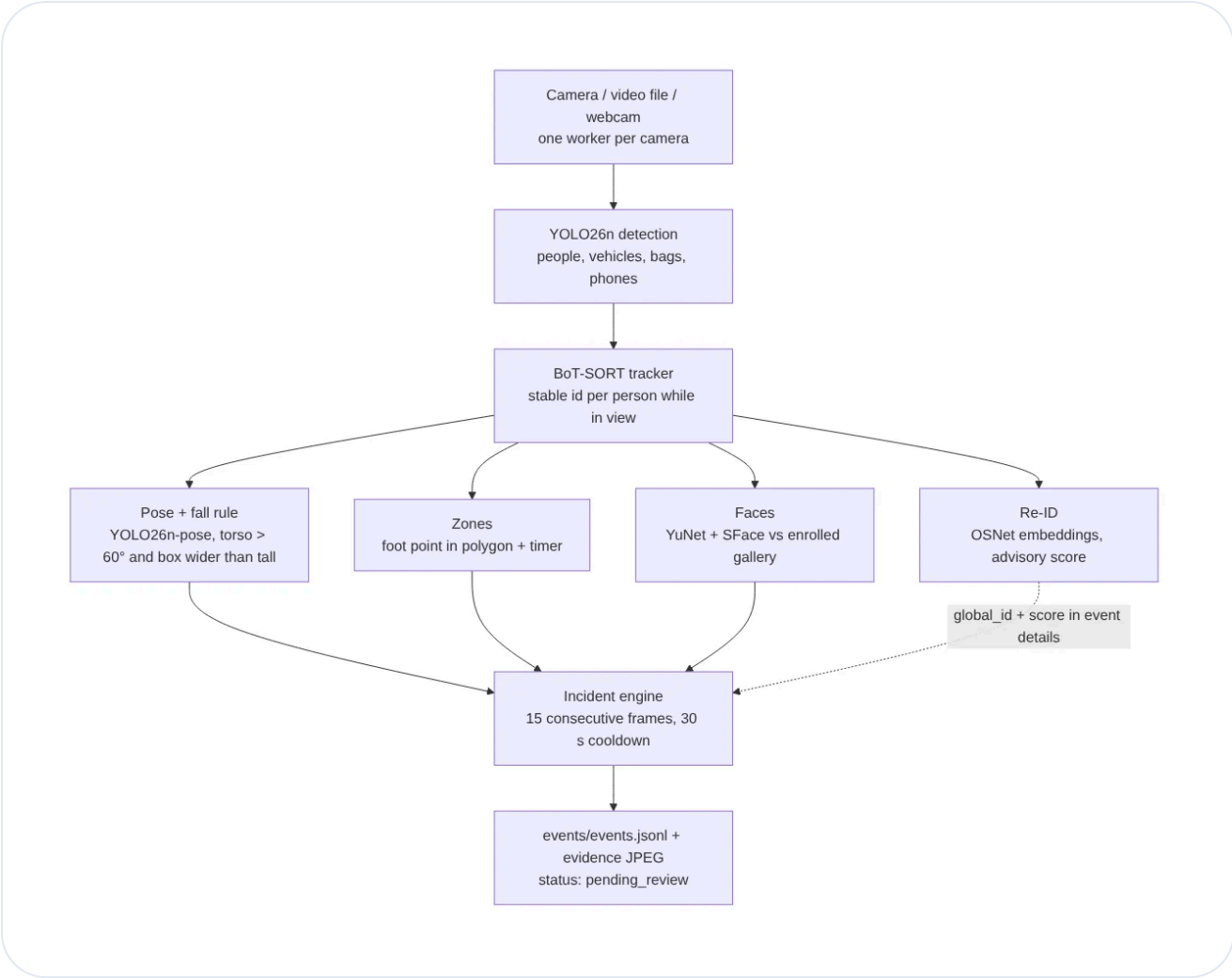


FIGURE Vision pipeline: camera → detection → tracking → pose, zones, faces and re-identification → incident engine → events for review.

Results

MEASURE	BEFORE / WITHOUT WEXA	WITH WEXA
Camera-monitoring operators across three shifts	24 operators	8 operators

MEASURE	BEFORE / WITHOUT WEXA	WITH WEXA
Annual cost of the process	\$216K	\$72K
Losses from theft and safety incidents avoided per year	–	\$150K
Time to implement the AI solution	6 months	4 weeks
AI build cost (one-time)	\$480K	\$30K
AI operating cost per year (models, infrastructure, upkeep, platform)	\$312K	\$166K
Total AI cost in year 1	\$792K	\$195K

WITH WEXA

\$128K

net annual value to the client after Wexa's
own operating cost

6x

faster to implement

47%

lower AI operating cost

\$597K

less AI spend in year 1

✓ Became the VisionOps track of the October 2026 hackathon