Beyond Digital,
Empowering Reality.

Powered by EVA, The Brain of Physical AI

Background

Industrial accidents are still happening repeatedly

605 deaths

in 2025 (+2.7% YoY)

Problem

Every accident has a cost. Every gap becomes liability.

CCTV doesn't prevent, it only records.

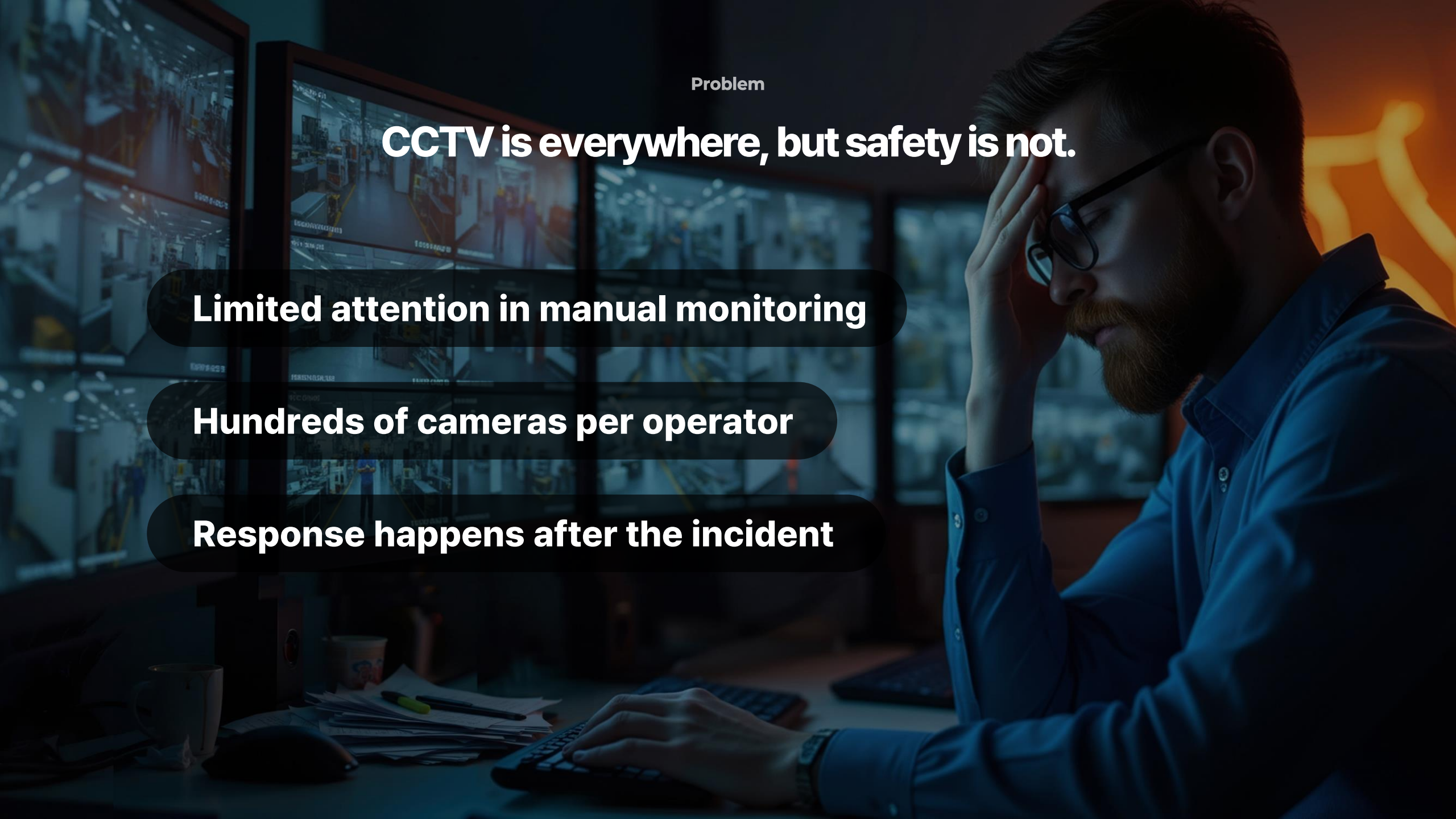
Serious Accidents Punishment Act

Stronger penalties for management

Prevention is no longer optional,

It's survival.

| SOURCE | Reports from Jeonju MBC (24/11/01) and JoongAng Ilbo (25/0730)



Problem

CCTV is everywhere, but safety is not.

- Limited attention in manual monitoring
- Hundreds of cameras per operator
- Response happens after the incident

Problem

Limitations of existing AI CCTV solutions

ML-based solutions require high effort,
while AI-based solutions require heavy infrastructure investment

	ML Based	AI Based
Computing Power	LOW ▼	HIGH ▲
Learning Effort	HIGH ▲	LOW ▼

Solution

EVA, combining the strengths of ML and AI

	ML Based	AI Based	EVA
Computing Power	LOW ▼	HIGH ▲	LOW ▼
Human Effort	HIGH ▲	LOW ▼	LOW ▼

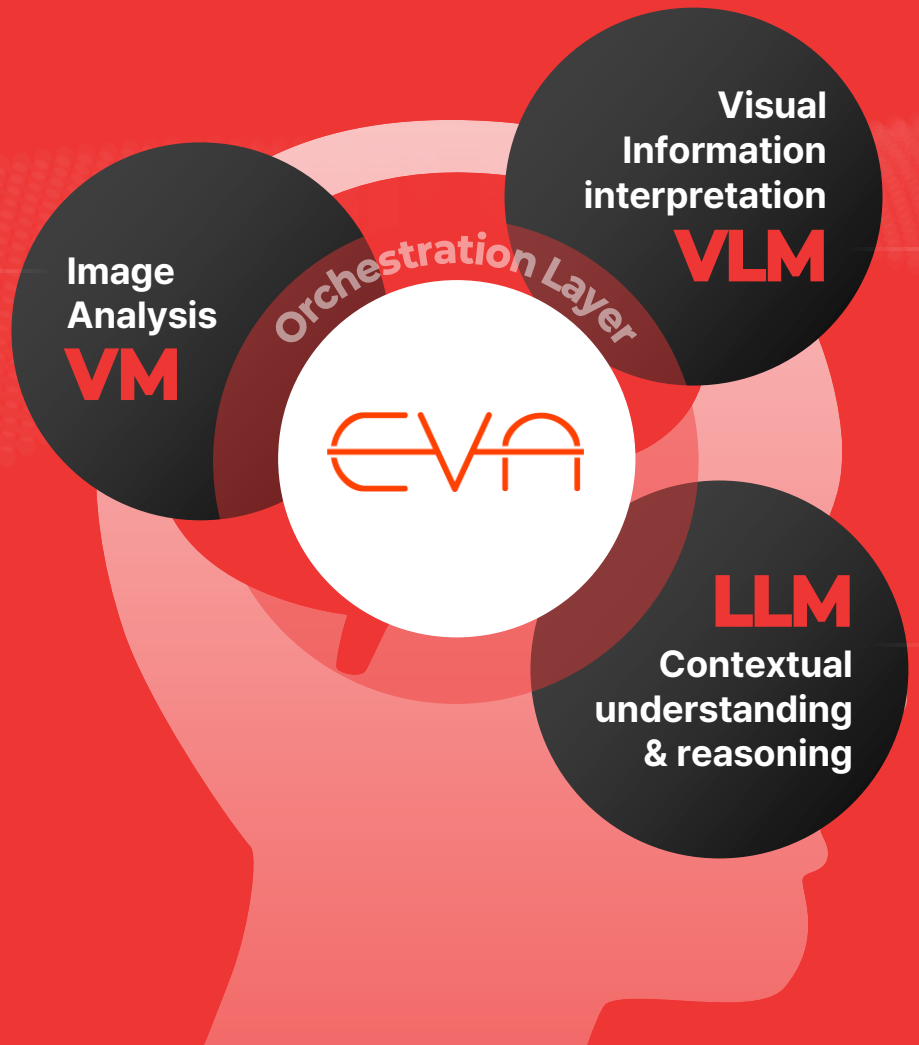
Solution

An intelligent architecture based on Multi-Foundation Models

A multi-brain structure that integrates the latest models to interpret situations with high precision

Vision Model

Analyzing visual information



Visual Language Model

Observing and understanding

Large Language Model

Explaining, reasoning, and coordinating through conversation

Reframing

A New Starting Point for AI CCTV

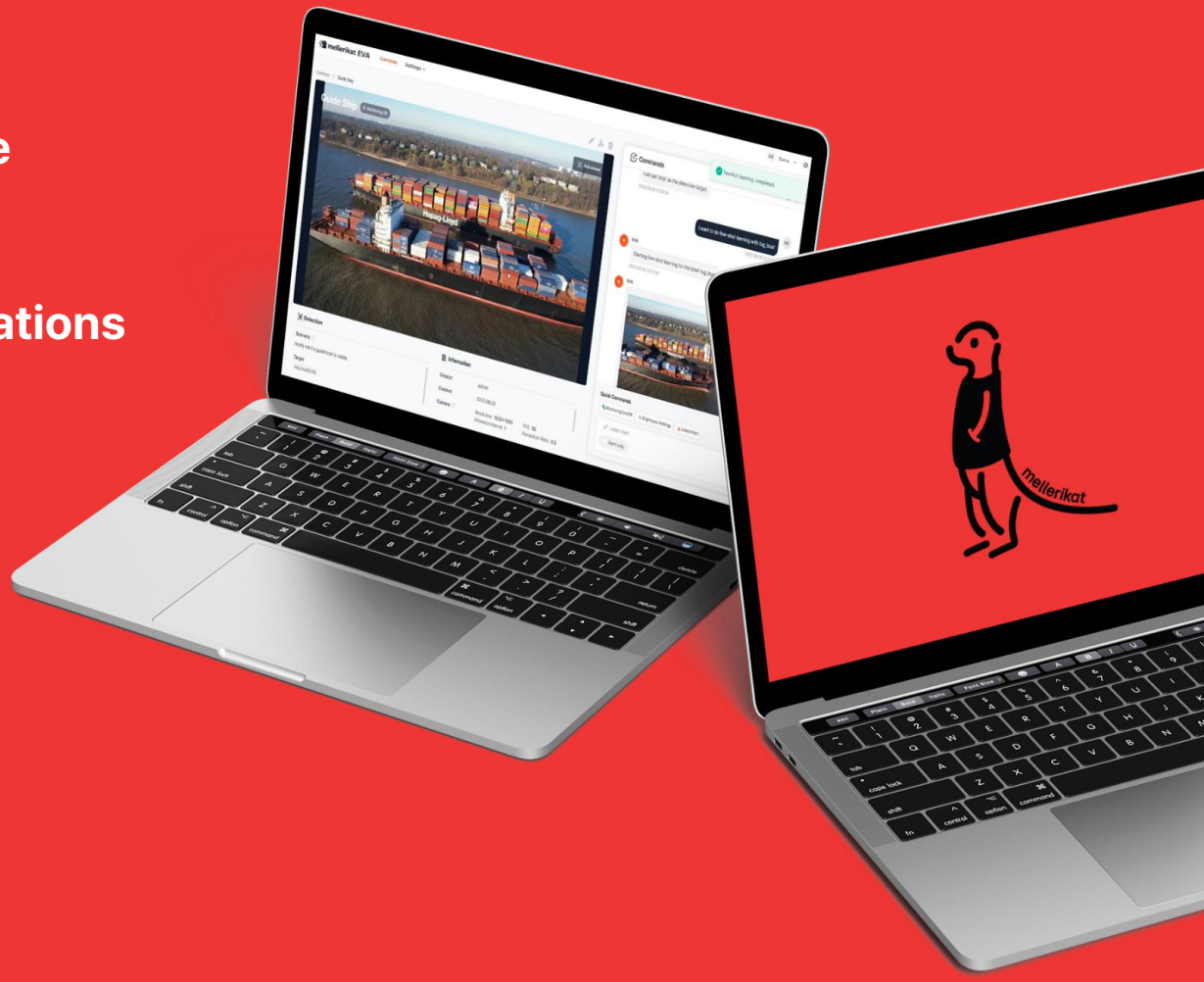
With EVA,
legacy CCTV becomes AI-powered visual infrastructure

Reframing

EVA turns perception intro real-world action

EVA DEMO

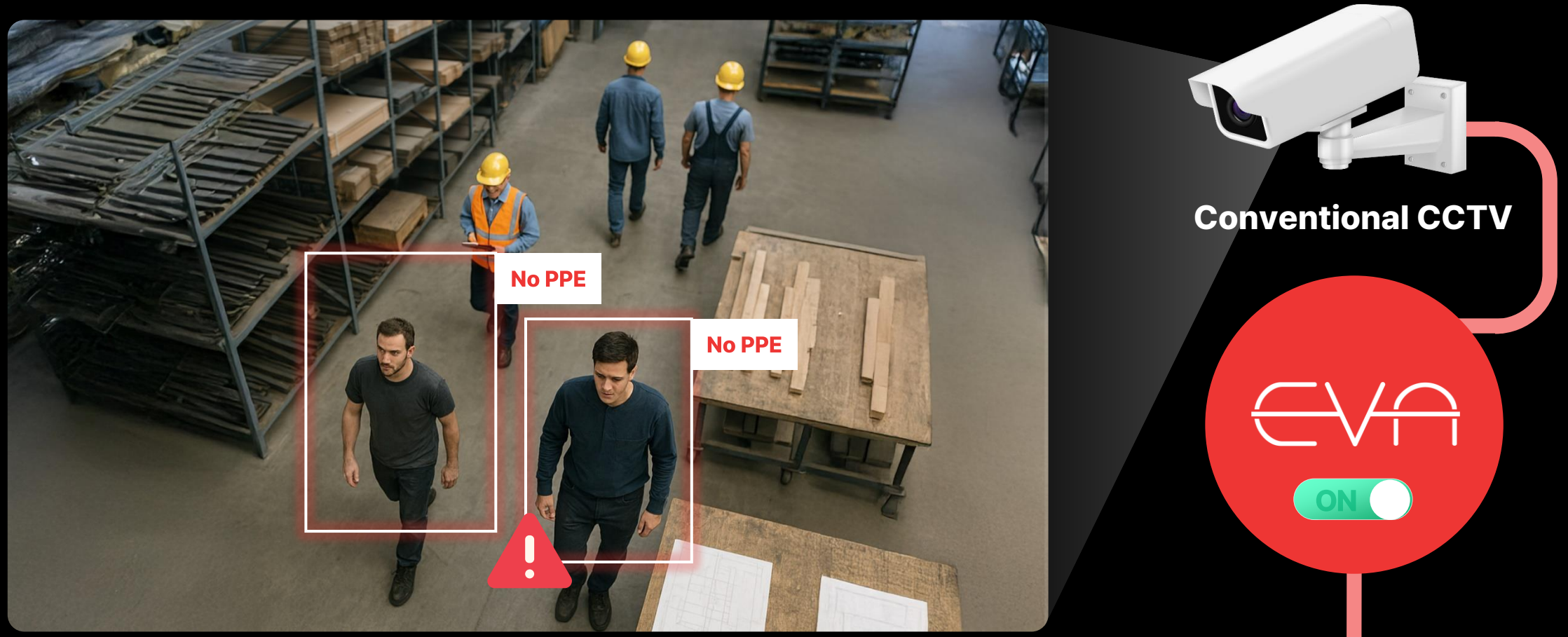
1. **Define detection scenarios in natural language**
2. **Understand situations from CCTV footage**
3. **Connect alerts, feedback, and actions to operations**



https://mellerikat.com/en/solutions/eva
https://ncp-eva.mellerikat.com/

Solution

EVA turns existing CCTV into an AI operation system — no replacement needed



Solution

EVA eliminates barriers to AI CCTV adoption and scale

What makes EVA different

Maximize ROI

High GPU Efficiency (Lower TCO)

Optimized multi-foundation models maximize GPU utilization.
Deliver enterprise-grade performance at lower operational cost without compromise.

Zero Deployment Barrier

Natural Language Interface

No AI expertise required—describe scenarios in plain language.
EVA automatically converts requirements into executable prompts.

Unlimited Scalability

Hybrid Infrastructure Support

Seamless expansion from SaaS to on-premise environments.
Scale freely without infrastructure constraints.

Continuous Evolution

Improves with User-feedback

Learns from user feedback and interactions.
The more you use it, the more precise and optimized it becomes.

Ecosystem Integration

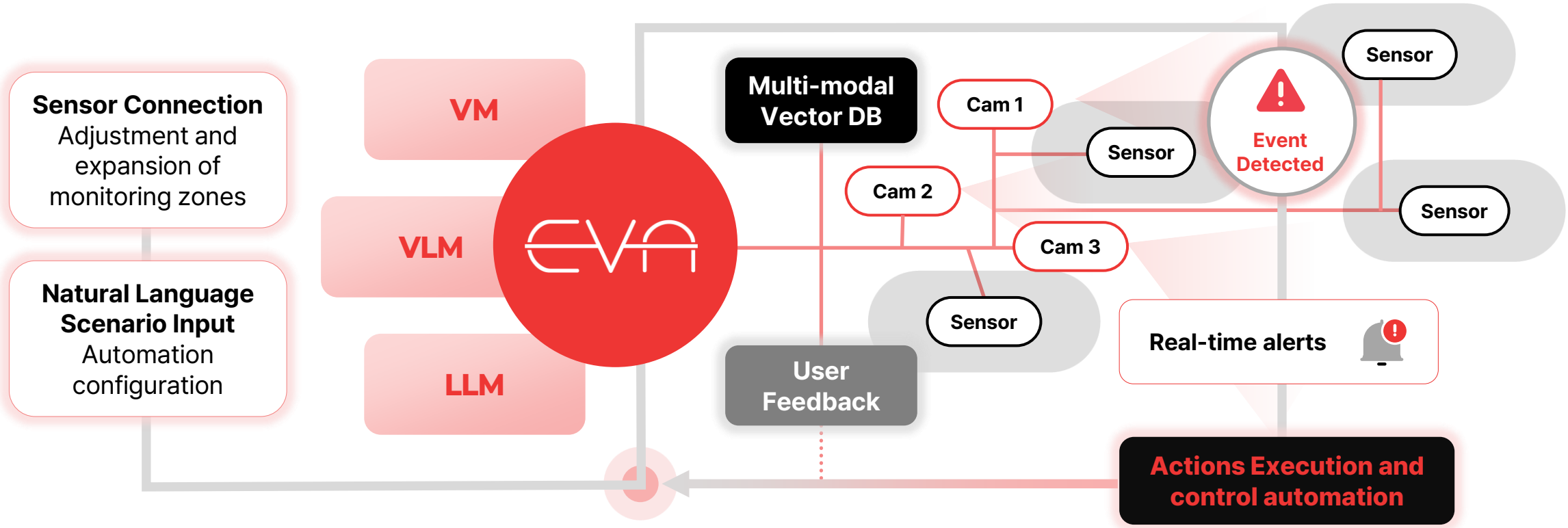
Seamless Plug-and-Play Integration

Easily integrates with existing cameras via RTSP.
Standardized webhooks enable seamless data transfer to third-party systems.

Solution

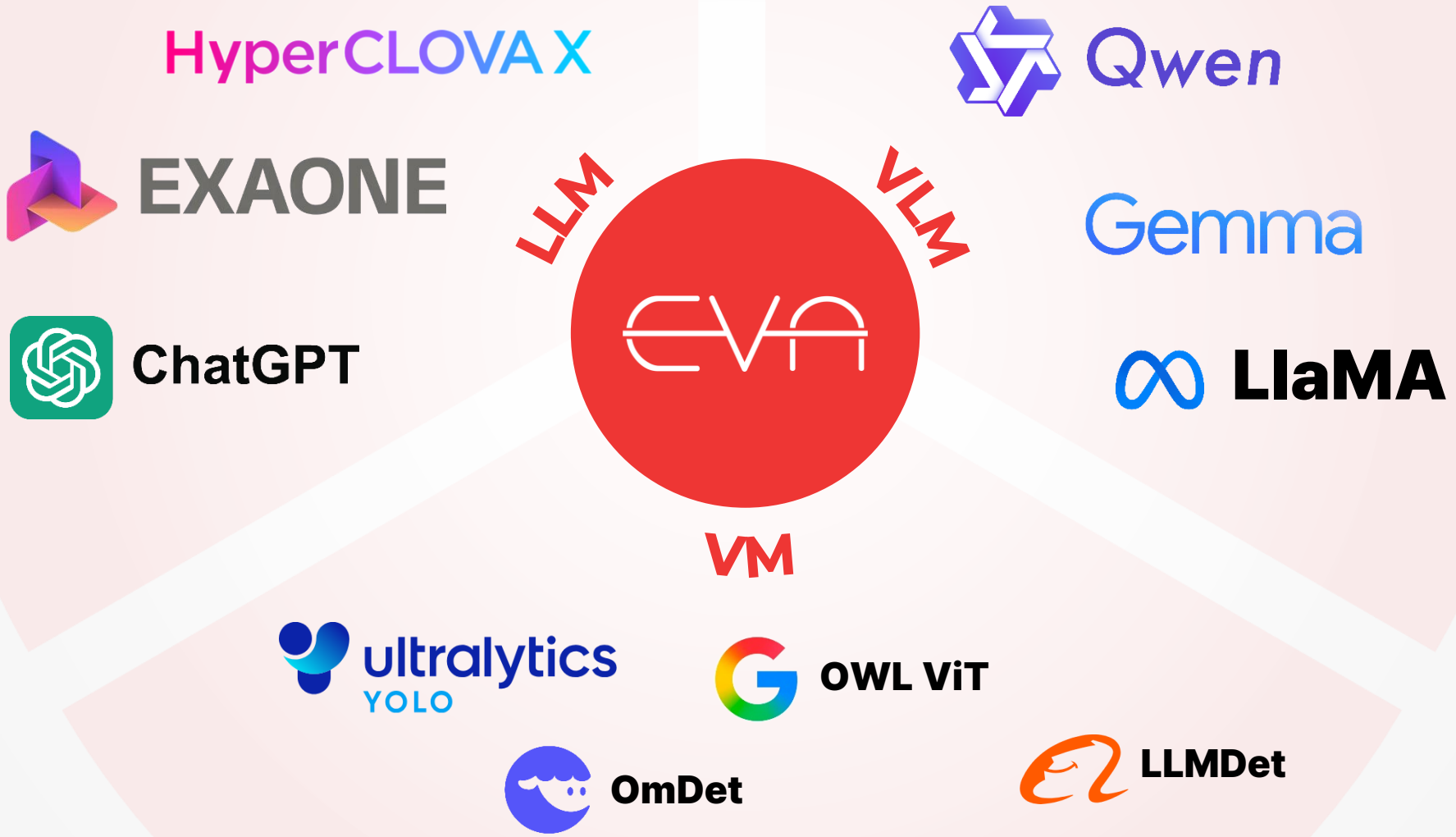
An intelligent loop of scenario-based Detection → Decision → Control, created through conversation

Scenario | Detection | Analysis | Action



Solution

Flexible selection and combination of an AI stack optimized for the customer's environment



Solution

EVA goes beyond CCTV analytics to enable automated field operations

A core infrastructure that **understands** real-world data and **executes** or **orchestrates** necessary actions

Real World Data → Physical Action

EVA

Workflow Builder

Action Trigger

On-site Alarm

Gate Control

Equipment Shutdown

Audio Broadcast

Robot Dispatch

Fire System Activation

From understanding real-world data to executing actions

Secure the golden time through immediate physical actions on-site

EVA continuously improves usability through monthly version updates

EVA v2.7 (Apr 20)	▪ **Automatic recommendation of Vision Models (VM)** based on detection scenario ▪ Precise region configuration using **polygon-based areas** ▪ **Expanded webhook channels** for Physical AI–driven field automation
EVA v2.6 (March 16)	▪ **Improved detection accuracy** with multi-image processing ▪ **Scenario refinement** and Vision Model enhancement for higher accuracy ▪ **Enhanced UX** for feedback input and review
EVA v2.5 (Feb 22)	▪ **Face blur** feature: clear for real-time monitoring, privacy-safe for recording and sharing ▪ Strengthened **license management**: easily check available usage per license ▪ Enhanced **EVA Agent**: easier understanding of EVA features through conversation
EVA v2.4 (Jan 20)	▪ **RTSP multi-registration per camera**: run multiple scenarios on a single camera ▪ **Multi-image analysis**: more accurate situation recognition ▪ **Alert priority** settings: real-time response without missing critical events across multiple devices ▪ Camera favorites: focus monitoring on key locations by user/role ▪ Expanded alert image preview via Microsoft Teams → Slack
EVA v2.3 (Dec 5)	▪ Expanded detection scenarios: **Common & Custom scenarios** ▪ **Flexible detection area configuration** for more precise monitoring ▪ **Image-Guided Detection**: detect based on user-defined reference images

Solution

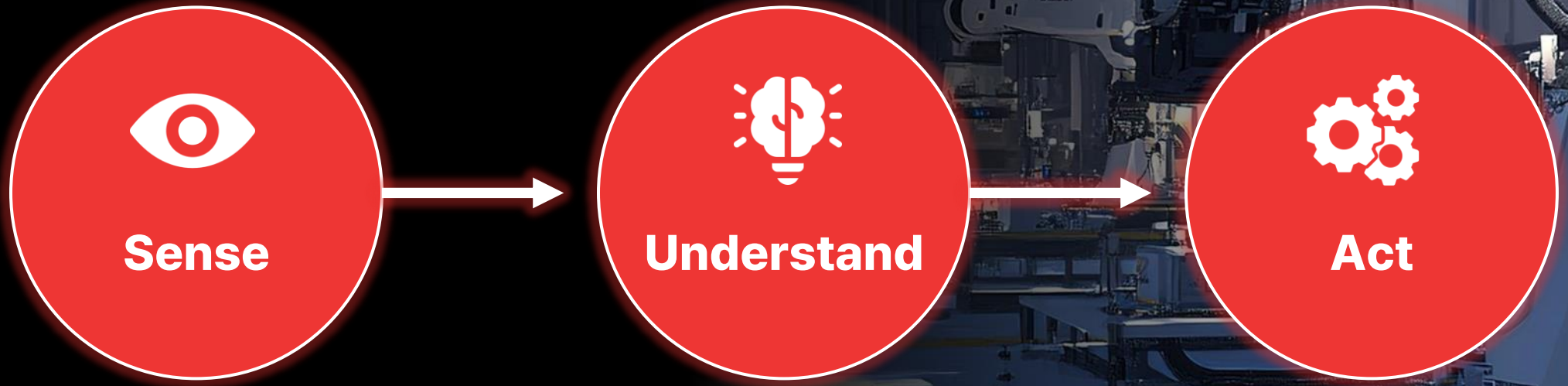
EVA enables faster deployment, lower-cost scaling, and broader actionability

	Traditional AI CCTV	EVA	Difference
Core Technology	ML model-based learning Image-based video analysis	**Built on latest Multi-AI Foundation Models** (VM, LLM, VLM)	Moves beyond similarity-based detection to context-aware reasoning **→ Improved detection scenario accuracy**
Learning Process	Data labeling → Training → Inference	**Zero Shot / Few Shot**	No heavy upfront investment **→ Enhanced scalability of use cases**
Scenario Configuration	Requires expert involvement (Takes ~2–4 weeks)	**Configurable directly on-site** (Takes minutes)	Minimizes expert dependency **→ Anyone can configure**
Accuracy Improvement	Retraining & Redeployment needed (Requires specialists)	**Scenario refinement +** **false positive/true positive feedback** (Field-driven improvement)	Continuous improves in real usage
Service Scalability	Limited integration, infrastructure-centric	**Workflow & App ecosystem** (n8n, Teams, Slack, IoT, robots, etc.)	Expanded connectivity with external systems **→ Broader application scenarios**
Deployment Environment	On Device / On-premise	**On-premise / Public Cloud** (AWS, Naver Cloud, etc.)	Flexible infrastructure
TCO (1,000 camears)	**~$1.7M (KRW 2.3B)** (Initial build ~$1.5M + annual maintenance ~$0.2M)	**~$370K (KRW 0.5B)** (Initial setup ~$150K + annual license ~$220K)	Cost-efficient structure for large-scale deployment

To-Be

AI that senses, understands, and acts on the real world

Physical AI Brain EVA



Beyond Detection,
Toward Understanding.

Powered by EVA

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