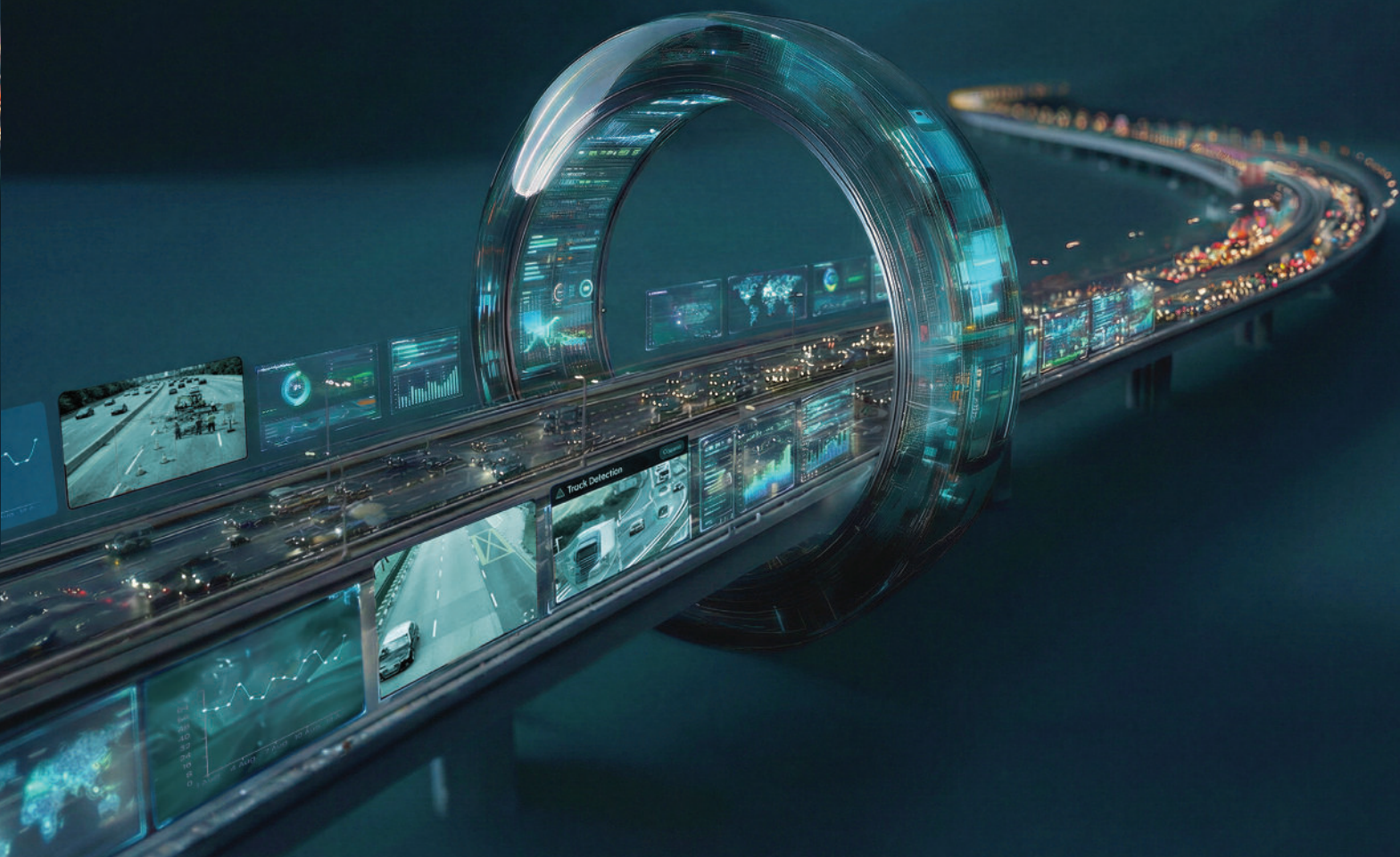




Agentic Video Intelligence for Road and Traffic

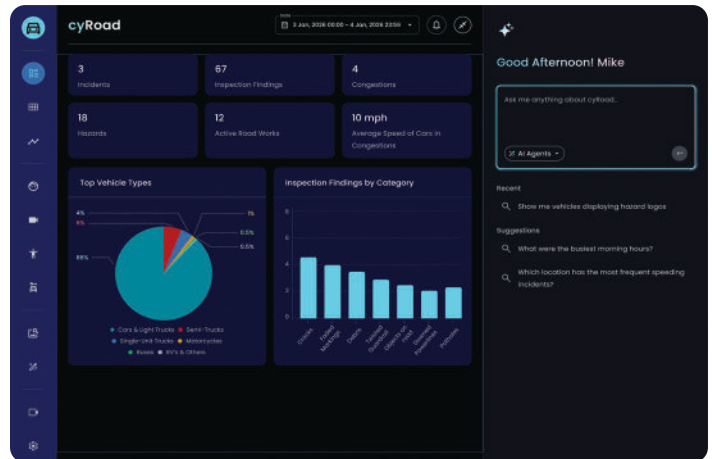
Thousands of miles of highway cameras are already watching your roads. cyRoad turns those silent observers into a proactive intelligence network - detecting incidents, protecting crews, automating reports, and keeping your network running at its best.

cyRoad | Safer Roads. Smarter Operations

Four outcomes. One platform.

Built for the agencies that keep roads moving

Transportation agencies face mounting pressure: rising fatalities, aging infrastructure, and limited resources. cyRoad delivers measurable gains in safety, planning, cost reduction and efficiency - all working with your existing camera infrastructure.



Enhanced Road Safety

Detect incidents, hazards, and work zone risks in real time - reducing fatalities, protecting construction crews, and keeping road users safe across your entire network.

Faster Response, Less Manual Work

From incident detection to report generation - AI agents automatically trigger responses, notify teams, and produce reports, eliminating manual effort and accelerating every decision.

Reduced Inspection Costs

Continuous AI monitoring flags cracks, potholes, and infrastructure damage early - before they become costly repairs.

Actionable Traffic Intelligence

Turn raw footage into planning intelligence - with automated analysis of speed, flow, congestion, and network performance.

From Raw Footage to Decisive Action



Automatic Incident Detection

- Accident & overturned vehicle
- Stationary vehicle, wrong way & hazardous/oversized vehicles
- Obstacles, debris, & fallen objects on road
- Oil spill, mud, flood, water hazards
- Smoke, fire & vehicle on fire

Traffic Analysis

- Average speed, directional count
- Congestion, queue length & wait time
- Vehicle type, make, model
- Vehicle appearance (color, dents, sunroof, etc.)
- Pattern identification & historical trend analysis

Proactive Road Inspection

- Potholes, cracks, faded markings & road surface health
- Damaged signs, signals & signboards
- Guardrail & barrier condition with severity localization
- Storm drains & safety rest area monitoring

Work Zone Safety

- Barricade and traffic cone compliance
- Worker PPE compliance
- Congestion & slow traffic in lane monitoring
- Work start/end time & productivity tracking

Road Violation Enforcement

- Speeding
- Red light crossing
- Wrong-way driving & illegal overtaking
- Bus lane, shoulder & roadway violations
- Illegal parking, stopping & reversing
- Not stopping at stop lines & crosswalks

Human-Like Video Understanding with an Intuitive Copilot & AI Agents

cynapse copilot

Set

user-defined events

Create alerts for any behavior, violation, or anomaly.

Get

insights dynamically

Use natural language to uncover insights instantly.

Search

anything using prompts

Search video using prompts or visual inputs.

Generate

business deliverables

Generate summaries, reports, emails, and visual outputs.

AI Agents

- User Defined Event Agent
- Discovery Agent
- Analysis Agent
- Visualization Agent
- Summarization Agent
- Report Agent

Powered By

- Vision AI
- Domain Specific VLMs
- Domain Specific MLLMs
- Spatio-Temporal Vision Models
- Agentic Orchestration Framework

Next-Generation Vision AI

At cynapse.ai, we provide Verticalized Agentic Video Intelligence solutions that help organizations enhance security, safety, compliance and operational efficiency.

Designed for mission-critical environments, including power utilities, transportation networks, seaports and correctional services, the cynapse platform detects risks, uncovers patterns, and enables faster response through AI agents and an intuitive copilot.