



# AI Control Plane:

## GoAI — Intelligent Automation for the Modern TMC

**G**oAI is the AI Control Plane for GoATMS — an operator-facing assistant and autonomous agent platform that turns traffic management center workflows into guided, evidence-backed automation. Every operator request is routed to the right specialist, which understands incidents, signs, signals, detectors, weather, and dispatch as first-class domains and responds with a direct answer or a multi-step action plan.

**A**t the core of GoAI is a library of twenty built-in skills covering daily TMC work — operational briefings, incident detection and response, sign and signal management, weather response, camera monitoring, travel-time analysis, and reporting. Each skill brings its own domain expertise, and agencies can author custom skills to match local procedures.

**G**oAI runs autonomous agents that work continuously without an operator in the loop. Camera Watcher agents analyze imagery for collisions, stopped vehicles, debris, and wrong-way drivers. Event Responder agents carry out response plans for active events. Every action is recorded with the agent's reasoning, a confidence score, decision factors, and snapshot imagery, and a human-in-the-loop approval queue holds proposed actions for review.

**G**oAI is provider-agnostic and fully transparent. It works with leading AI model providers as well as self-hosted endpoints, so agencies keep control of their data and costs. Every AI interaction is metered, and an observability dashboard rolls up usage, run counts, active agents, and per-model breakdowns — giving leadership a clear, auditable view of how automation is performing.

### AI Control Plane Feature Highlights:

- Specialist Skills
- Autonomous Agents
- Evidence & Approvals

#### AI PLATFORM & MODELS

MODEL PROVIDERS	Leading AI providers + self-hosted endpoints
BUILT-IN SKILLS	20 ready-to-use TMC skills
CUSTOM SKILLS	Author and compose agency-specific skills

#### AUTONOMOUS AGENTS

AGENT TYPES	Camera Watcher, Event Responder, custom
SCHEDULING	Immediate, delayed, or recurring runs

#### EVIDENCE & APPROVALS

ACTION EVIDENCE	Reasoning, confidence, factors, snapshots
APPROVAL QUEUE	Human-in-the-loop approve, reject, expire

#### USAGE & OBSERVABILITY

USAGE DASHBOARD	Usage, runs, active agents, cost by model
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\* AI model providers and self-hosted endpoints are set through system configuration and provisioned credentials.

\* Autonomous agent behavior, confidence thresholds, and approval requirements are governed by configurable AI module settings.