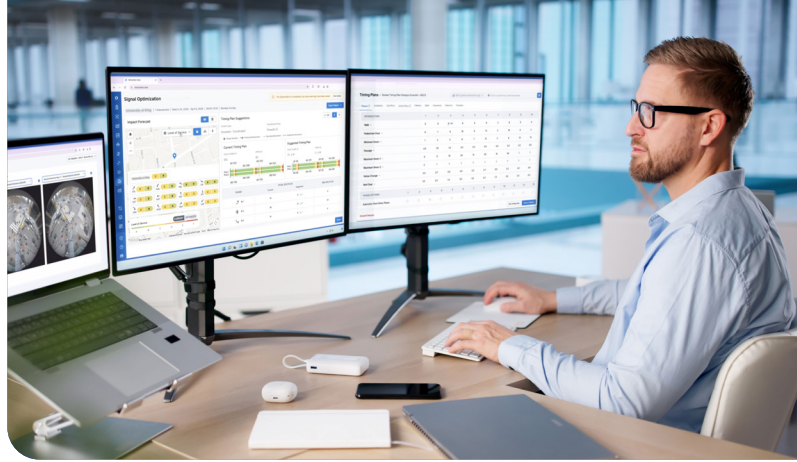


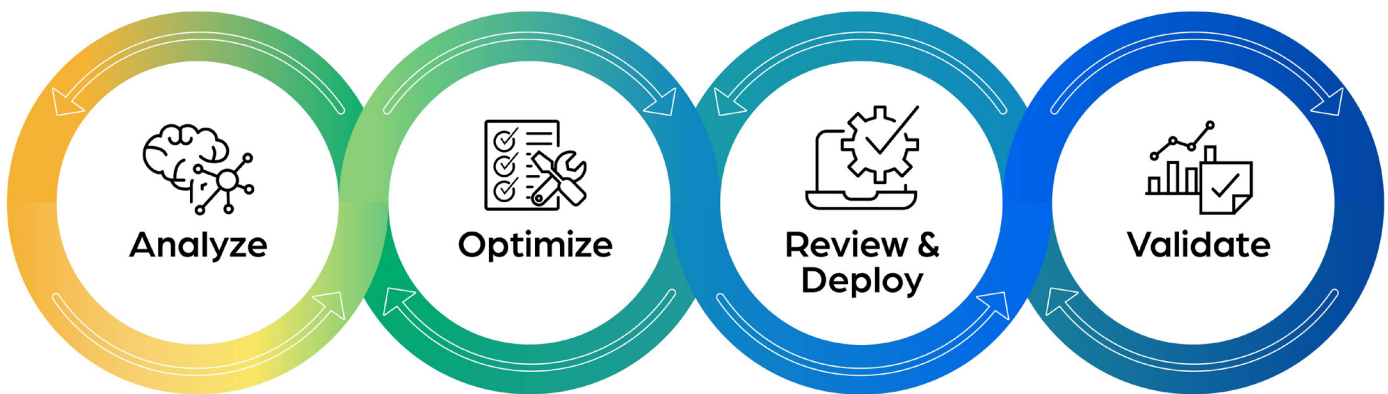
Miovision Traffic Optimization

Industry's First Gen AI-Informed, End-to-End Traffic Optimization and Retiming Solution



Traffic changes every day. Why does your retiming happen every five years?

Reclaim countless hours and budget with a modern, unified solution. We've bridged the gap between Gen AI-powered insights, HCM-compliant objective-based optimizations, secure and remote timing plan deployments to any controller*.



One Unified Solution. Four Simple Steps:

Analyze

Leverage GenAI insights to pinpoint exactly where timing plan changes are needed. By using historical and live network data, specific intersections or corridors are identified that require optimization.

Optimize

Generate HCM-compliant optimizations in minutes with automatic ingestion of geometry, counts and current timing plans from your network data to deliver actionable timing plans tailored to your city's objectives – delay, progression, fuel consumption, multimodal priority or custom.

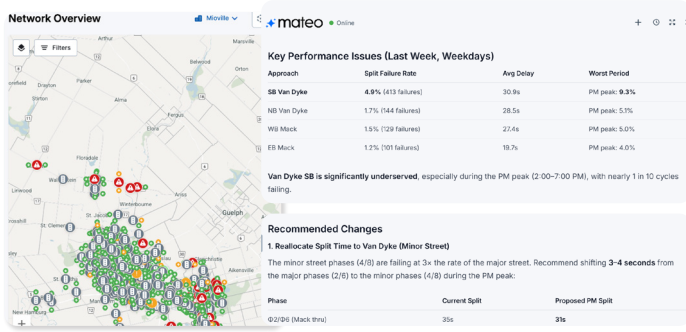
Review & Deploy

Interactively compare plans side-by-side and modify timing plan recommendations. Push optimized plans with human-in-the-loop control directly to the field without manual data re-entry, complex file imports, or fragmented third-party integrations – eliminating inefficiency and truck rolls.

Validate

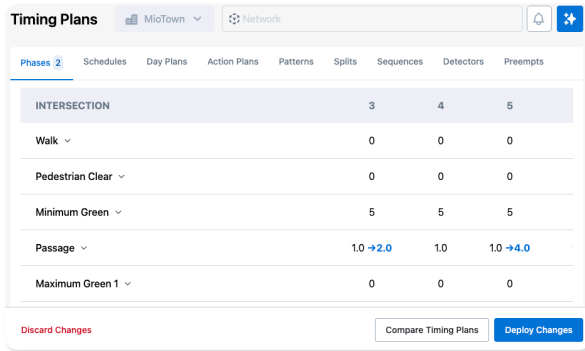
Close the loop with audit-ready reporting against industry standards at every stage, and verify network-wide improvements in flow, safety, and sustainability with post-change performance analytics.

Benefits



Proactive Gen-AI powered Insights

Pinpoint root causes and quickly diagnose network issues with Mateo, synthesizing live telemetry, detector status, performance measures (ATSPMs), probe data to surface actionable insights and automated alerts instantly.



Remote Human-in-the-Loop Deployment

Review timing plan recommendations side-by-side against MUTCD standards. Maintain version control, make changes in the spreadsheet-style editor, securely approve and remotely deploy to controllers without manual data re-entry or complex file imports, all in one platform.

Included Applications

Intersection Monitoring

Remote monitoring for safer, smarter signal operations

Basic Performance

Proactive network performance insights by transforming high-resolution signal data into actionable intelligence (ATSPMs)

Controller Manager

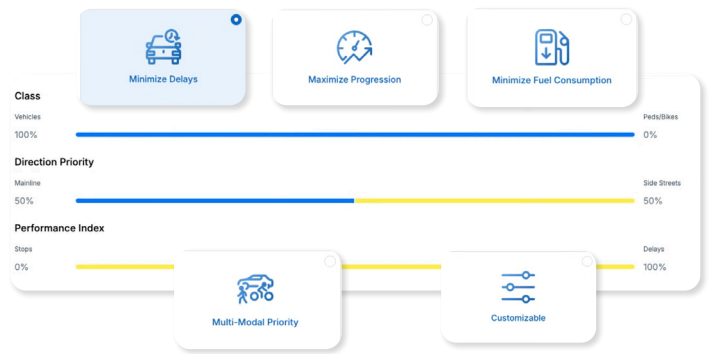
Remote monitoring, editing, and managing of traffic signal controllers. Secure human-in-the-loop timing plan deployment.

GenAI Agent, Mateo

Natural language interface to surface maintenance priorities, troubleshoot complaints, and bridge performance insights.

Signal Optimizer

Automatic network analysis and optimized timing plan generation using HCM-based methodologies.



HCM-Compliant Timing Plan Optimization

Replace expensive retiming studies with objective based optimization that automatically ingests geometry, TMC and timing plan data to deliver robust recommendations in minutes that keep up with your dynamic network.

ID	INTERSECTION	CONTROLLER TYPE	CYCLE	PATTERN	LAST DEPLOYED	BY
2345	Weber Street N & King Street W	Econolite	225	140	Dec 4, 2019 21:42	Brandon Taylor
2353	Sunset Boulevard & Palm Avenue	Econolite	375	230	Aug 5, 2020 19:56	Ethan Brown
2354	Valleyview Road & Hillcrest Drive	Econolite	280	170	Sep 18, 2020 18:25	Olivia Wilson
2348	Cedar Avenue & Elm Street	Econolite	410	250	Mar 10, 2020 18:00	Sophia Nguyen
2349	Birch Drive & Walnut Way	Q-Free	150	90	Apr 15, 2020 12:45	Michael Johnson
2356	Lakeshore Drive & Ocean View Road	Econolite	380	220	Nov 21, 2020 13:40	Isabella Martinez
2346	Main Street & Maple Avenue	Q-Free	180	110	Jan 12, 2020 15:30	Emily Chen
2351	Hilltop Lane & Valley Road	Econolite	340	180	Jun 25, 2020 17:35	Daniel Kim
2352	Beachside Drive & Coral Lane	Q-Free	260	160	Jul 10, 2020 11:10	Ava Patel
2355	Forest Lane & Stream Road	Econolite	410	240	Oct 30, 2020 09:00	Noah Davis

Flexible and Compatible Infrastructure

Manage multi-vendor networks through secure, integration with NTCIP-compliant controllers* and detectors – no need to rip and replace your central management system (CMS)

*Contact us for an up-to-date list of compatible controllers

For more information, visit help.miovision.com, email us at hello@miovision.com, or call us NA Toll-free at 1-855-360-7752