



CUBIC ENHANCED AI (ARTIFICIAL INTELLIGENCE) BASED TMP (TRANSPORT MANAGEMENT PLATFORM)

Elevating Total Traffic Management

Experience comprehensive control. Unite highways and urban roads. Elevate Transport Management with Cubic's latest enhanced iteration of the Traffic Management Platform.

Cubic's evolved Transport Management Platform introduces a cutting-edge solution that revolutionizes traffic management across highways and urban networks. Building upon the foundation of Advanced Traffic Management Systems (ATMS), this enhanced version takes control to new heights. It empowers transportation professionals to master incidents, congestion, and events on highways and roads with unmatched precision. Seamlessly coordinating actions from the road level to city-wide management, TMP sets a new benchmark for comprehensive traffic control.

Key Upgrades:

Highway Integration Excellence - The enhanced TMP extends its capabilities seamlessly to include highways. Operators attain unmatched control over variable message signs, lane control signs, and traffic signal controllers, enabling synchronized management across road types. This encompasses complex highway functionalities, including signal sequencing algorithms for gradual traffic calming near incidents and dynamic strategic wide area diversions across the entire network.

Unified Multimodal Mastery - With a next-generation, browser-based common operating picture, TMP provides holistic view across all transportation modes. This integration process equips operators with actionable insights, fueling efficient decisions for incident response, congestion management, and event coordination.

KEY BENEFITS

- Seamlessly integrate highway and urban road management
- Unified view across transportation modes for informed decisions
- AI-based predictive analytics and advanced simulation for incident control
- Open integration platform for legacy and emerging systems
- Cloud-hosted cost savings with scalable deployment options
- Take command of your traffic network's future with TMP's enhanced version. Experience holistic control, proactive management, and optimized resource utilization like never before



Common Operational Picture



Mobile Device Support



Multi-Modal Coordination



Inter-Agency Coordination



Operational Support Logic



Predictive Responses



Information Dissemination

Cubic's Transport Management Platform

Modules

| | | | | | | | |
|---|----------------------------------|---|--|--------------------------------|--------------------------------------|-----------------------------|--------------------------------|
| <p>Congestion & Incident Management</p> | <p>Stakeholder Communication</p> | <p>Data Warehousing & Analytics</p> | <p>Predictive Congestion & Scenario Simulation</p> | <p>Public Transit Status</p> | <p>Event Management</p> | <p>Major Event Planning</p> | <p>Road Occupancy Planning</p> |
| <p>Configurable Responses</p> | <p>Traffic Signal Management</p> | <p>Intersection Management - Video</p> | <p>CCTV Video Management</p> | <p>Field Device Management</p> | <p>Inter-Agency C2C Connectivity</p> | <p>Internet of Things</p> | <p>Management Reporting</p> |

Inter-urban Insights & Coordination - By understanding both highway and urban environments, the platform can bridge the gap between the two. Understanding how the impact of issues on one affects the other and coordinating across both environments.

Enhanced Incident Forecasting - AI-based predictive analytics and advanced simulation are at the core of TMP's capabilities. The platform mitigates unplanned incidents by forecasting issues, reducing their impact, and ensuring optimal traffic flow even during unforeseen events.

Data-Driven Decision Making - Visualized data and historical trends empower authorities to make informed decisions for improved incident responses and long-term infrastructure planning.

Unrestricted Integration - TMP stands as an open integration platform that seamlessly blends with existing and emerging systems. This adaptability assures future-proof operations by incorporating disruptive technologies through common APIs (Application Programming Interfaces). The platform integrates seamlessly with legacy infrastructure, ensuring interoperability and data exchange. Additionally, the platform integrates across agencies, such as emergency response services, to facilitate coordinated incident management.

Empowered by the Cloud - Cloud-hosting takes cost-effectiveness to the forefront. Supporting SaaS (Software as a Service) and PaaS (Platform as a Service) deployments, TMP scales adeptly to fulfill diverse agency requirements, optimizing resources strategically.

Built on intelligent congestion and incident management principles, TMP's cloud-powered efficiency takes on a new dimension. Emergency response integration becomes seamless, while impact assessments gain prominence for well-informed decision-making. Leveraging the cloud, AI and extensive experience, TMP reinforces proactive traffic management and incident response, elevating operational outcomes within budgetary considerations.

Elevate Transportation Management:

Empower Traveler Choices - Real-time issue communication through social media and mobile apps fosters traveler cooperation. Adjusted routes reduce congestion, improving network efficiency and minimizing environmental impact.

Future-Ready Integration - As part of Cubic's Next City portfolio, TMP streamlines mobility accounts and supports multi-modal journeys. Additionally, its analytics-driven architecture optimizes network performance and capacity utilization.