



Shaping the Future of Urban Mobility.

Complete Mobility
Provider

Smart Traffic
Management

AI Powered
Mobility Analytics

Digital Twin
Cities

Smart Parking &
Enforcement

Operating Across:
15 Countries | **35+** Cities | **2000+** Intersections

Design. Connect. Manage. Optimize.



Transforming How Cities Move.

ISSD delivers integrated mobility systems that transform how cities move. Our mission is to reduce congestion, increase mobility comfort, reduce congestion to urban mobility too, and create safer and smarter cities through connected infrastructure and AI-driven insights.

15

Countries

35+

Cities

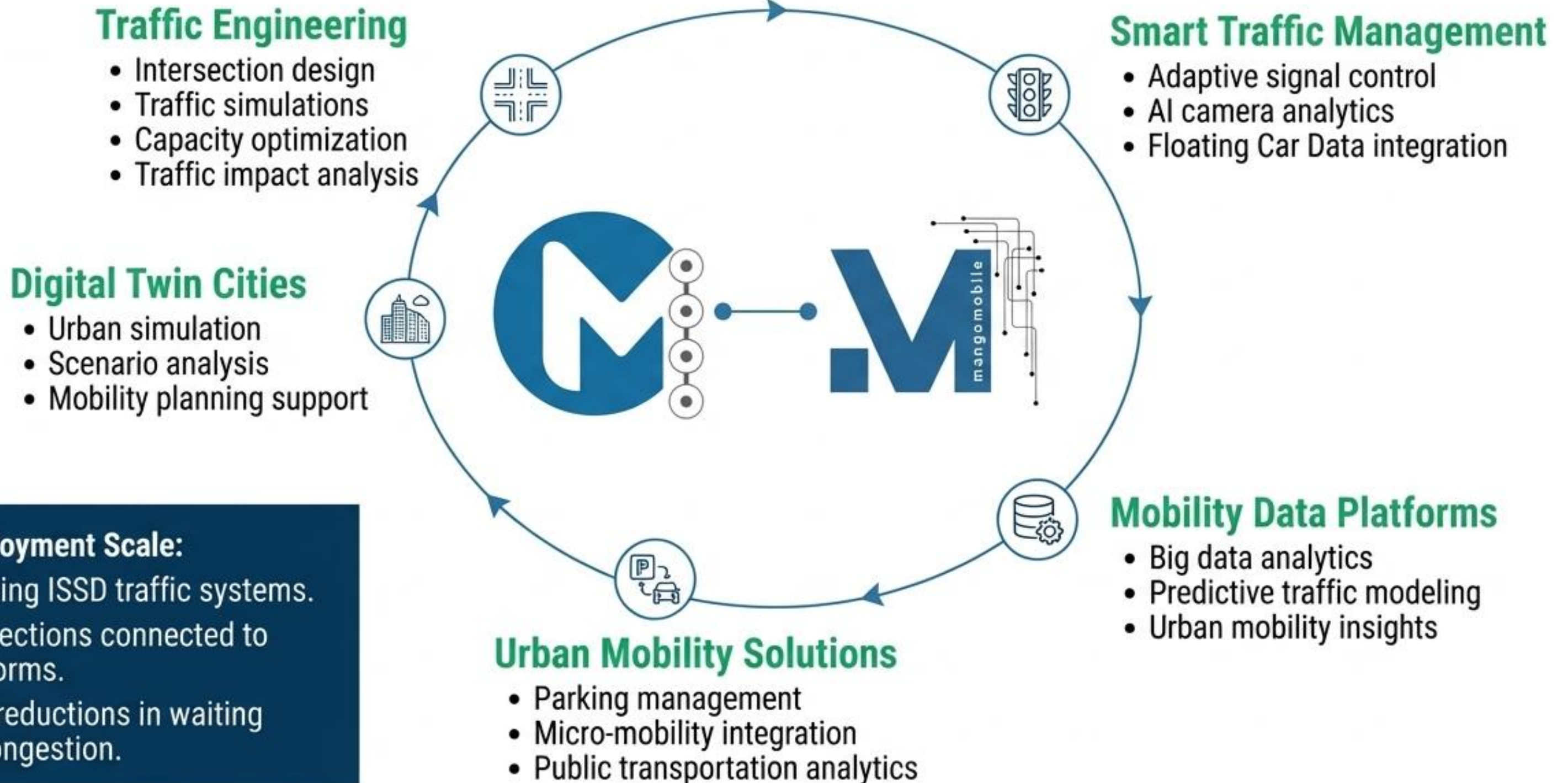
2000+

Connected
Intersections

Core Capabilities

- Intelligent Traffic Management Systems
- Intersection Design & Traffic Engineering
- AI Based Video Analytics
- Parking Management Systems
- Enforcement Systems
- Big Data Mobility Platforms
- Digital Twin Mobility Solutions

End-to-End Mobility Ecosystem Lifecycle

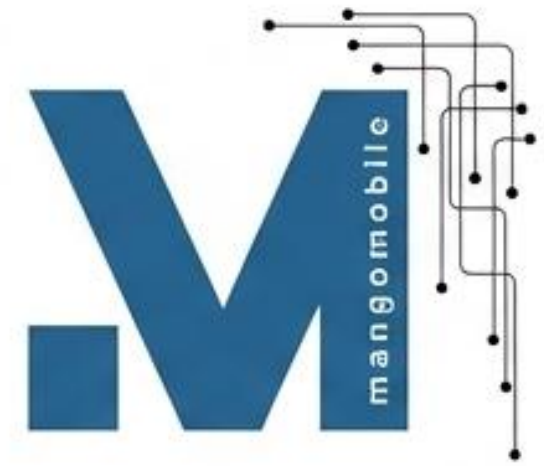


The Unified MANGO Software Ecosystem.

The centralized, AI-driven platform powering ISSD's global deployments.



mangg^{AI}

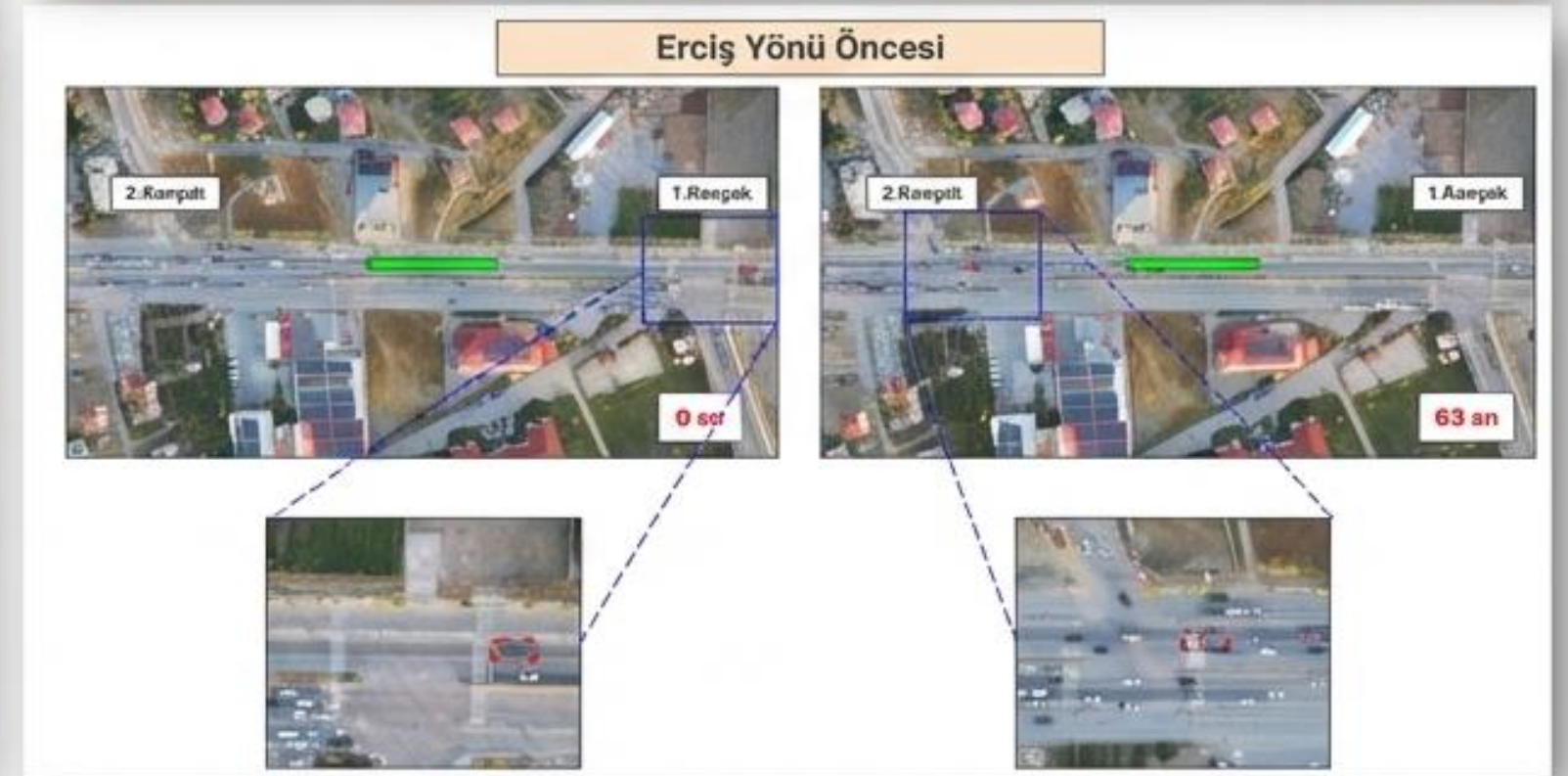


Traffic Engineering Excellence | DİYARBAKIR, AFYON, TOKAT, VAN

Combining field measurements, VISSIM simulations, and intersection optimization.

Engineering Services:

- Intersection design and optimization.
- Network capacity and traffic impact analysis.
- Signal timing studies achieving measurable improvements in throughput.
- Deployed across Diyarbakır, Afyon, Tokat, Van, Trabzon, Malatya, and ODTÜ.

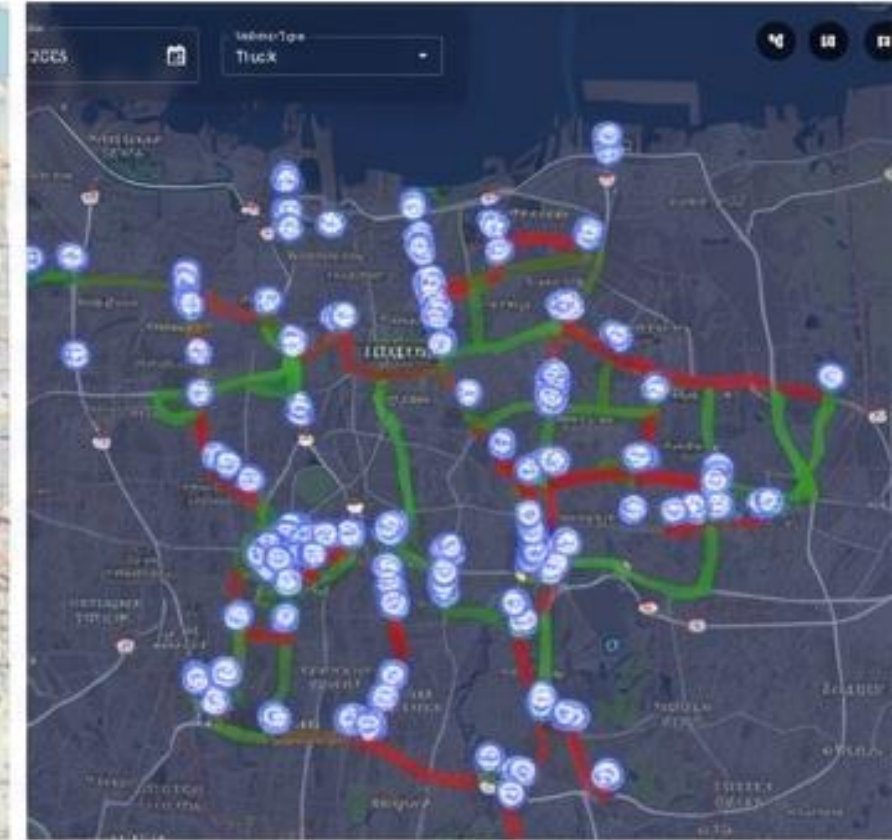
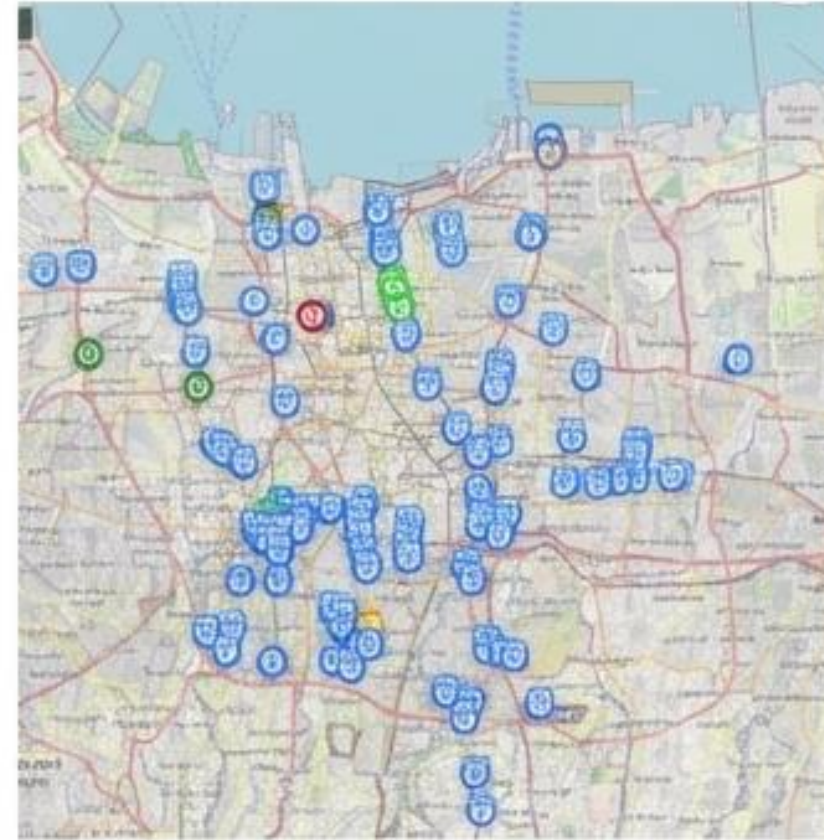


JAKARTA, Indonesia

Smart Traffic Transformation

AI-based predictive traffic analysis continuously optimizes signal timings and improves mobility performance across the Jakarta Metropolitan Area. Powered by MANGO Traffic, MANGO-HUB, and MANGO-POINTR.

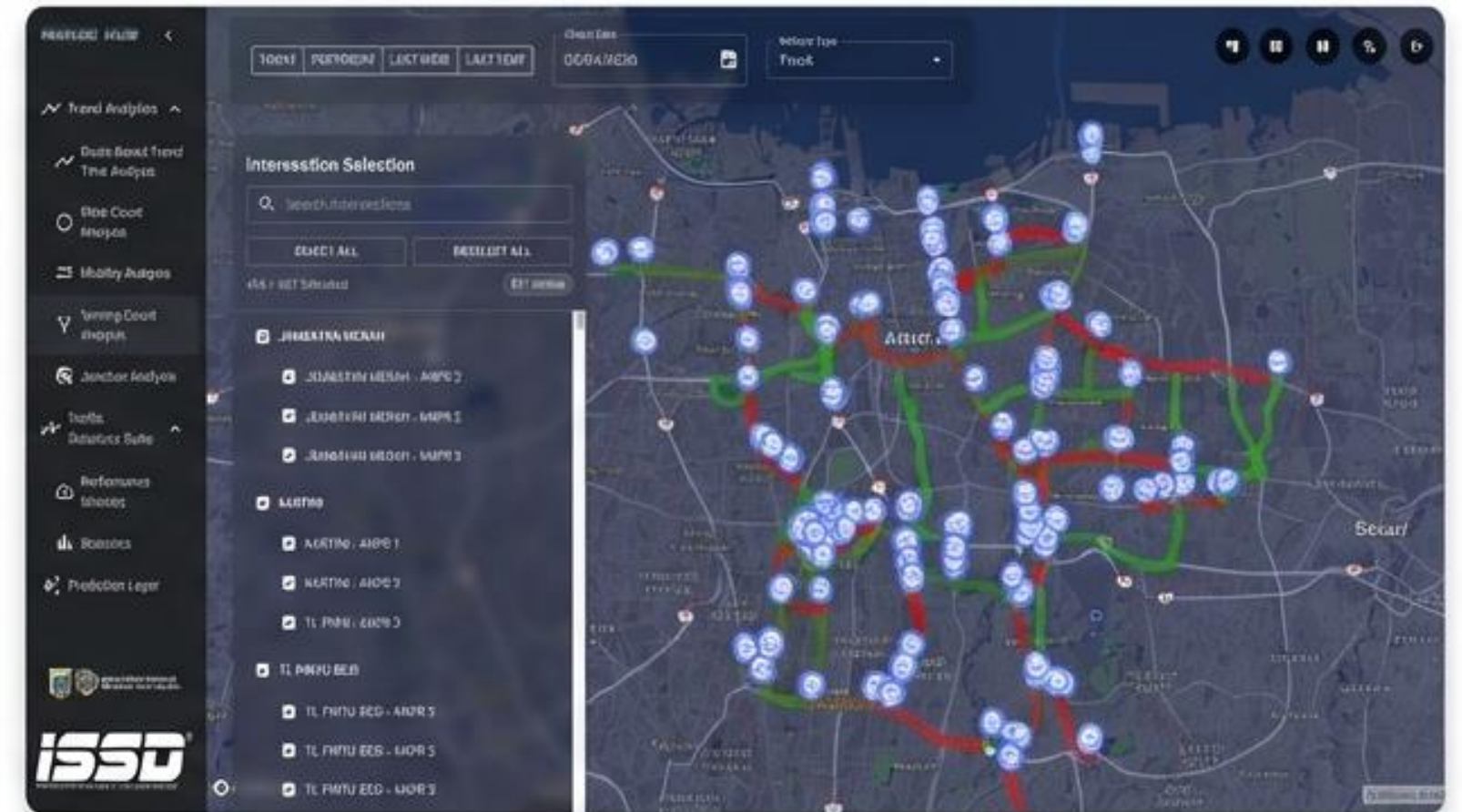
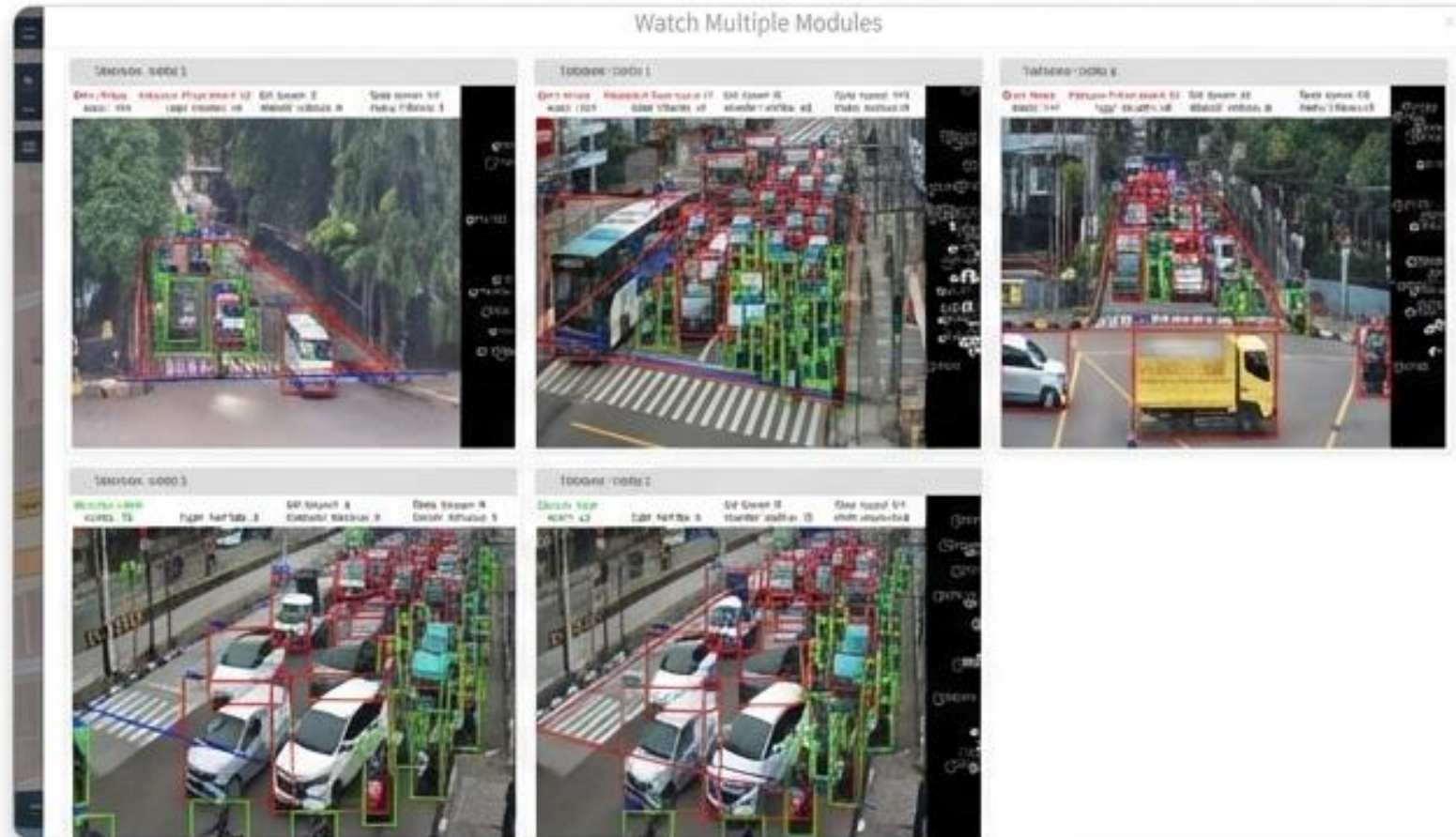
- **Population: 40+ Million**
- **120 Intersections dynamically managed**
- **500+ Smart traffic cameras & ANPR units**
- **500+ Smart traffic cameras & ANPR units**
- **4,000,000+ Traffic records collected daily**



AI-Driven Analytics at Megacity Scale

MANGO HUB

AI-based predictive traffic analysis continuously optimizes signal timings and improves mobility performance across Jakarta.



Hardware Scale

500+ smart traffic cameras, **500+** ANPR enforcement units.

Tech Stack Callout

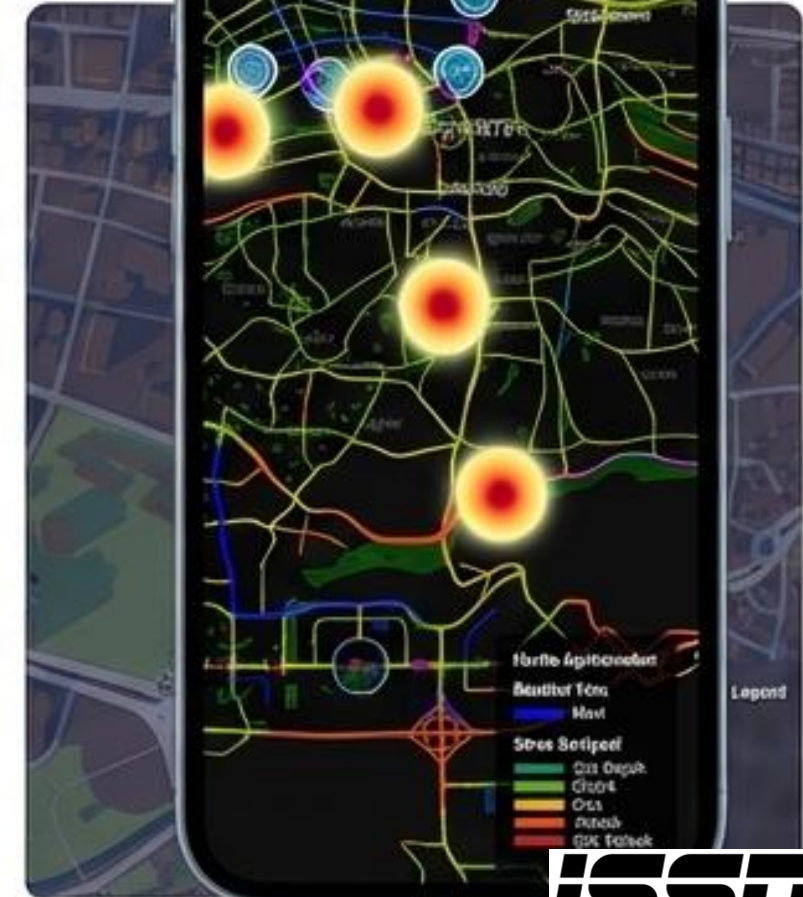
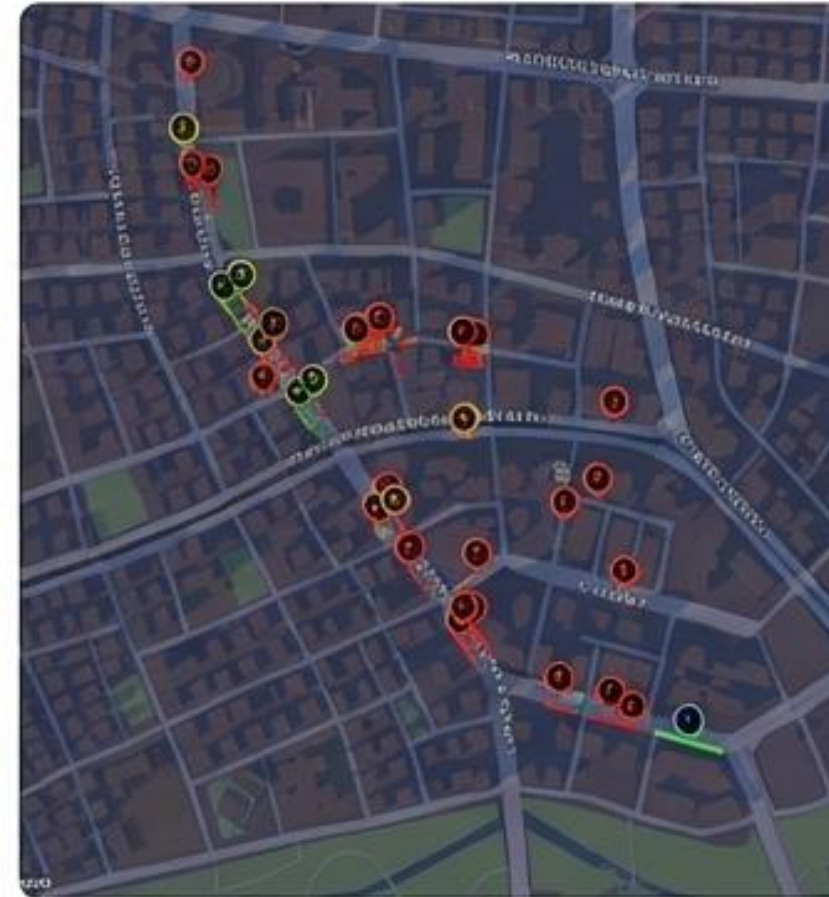
Integrates **MANGO-HUB** Big Data Analytics Platform and **MANGO-POINTR** Enforcement Systems.

GAZİANTEP, Türkiye

Smart City Mobility Platform

Gaziantep Metropolitan Municipality operates one of the most comprehensive integrated mobility ecosystems. MANGO-HUB integrates traffic, parking, micro-mobility, and transportation data in a single platform, enabling advanced mobility intelligence accessible via mobile apps.

- 200+ Connected Intersections
- City-wide Traffic Analytics
- Integrated Multi-Modal Platform



Comprehensive Multi-Modal Integration in Gaziantep.



System Scale

200+ intersections connected to the central system.



Core Components

Smart Traffic Management | Big Data Analytics | Parking Management | Micro-Mobility



Impact

MANGO-HUB integrates traffic, parking, and transportation data in a single platform enabling advanced mobility intelligence.

Translating Data to Citizen Mobility

Empowering end-users with live, actionable urban mobility applications driven by centralized city data.

Micro-Mobility Integration:
Mapping bike paths and
real-time traffic stress
levels.



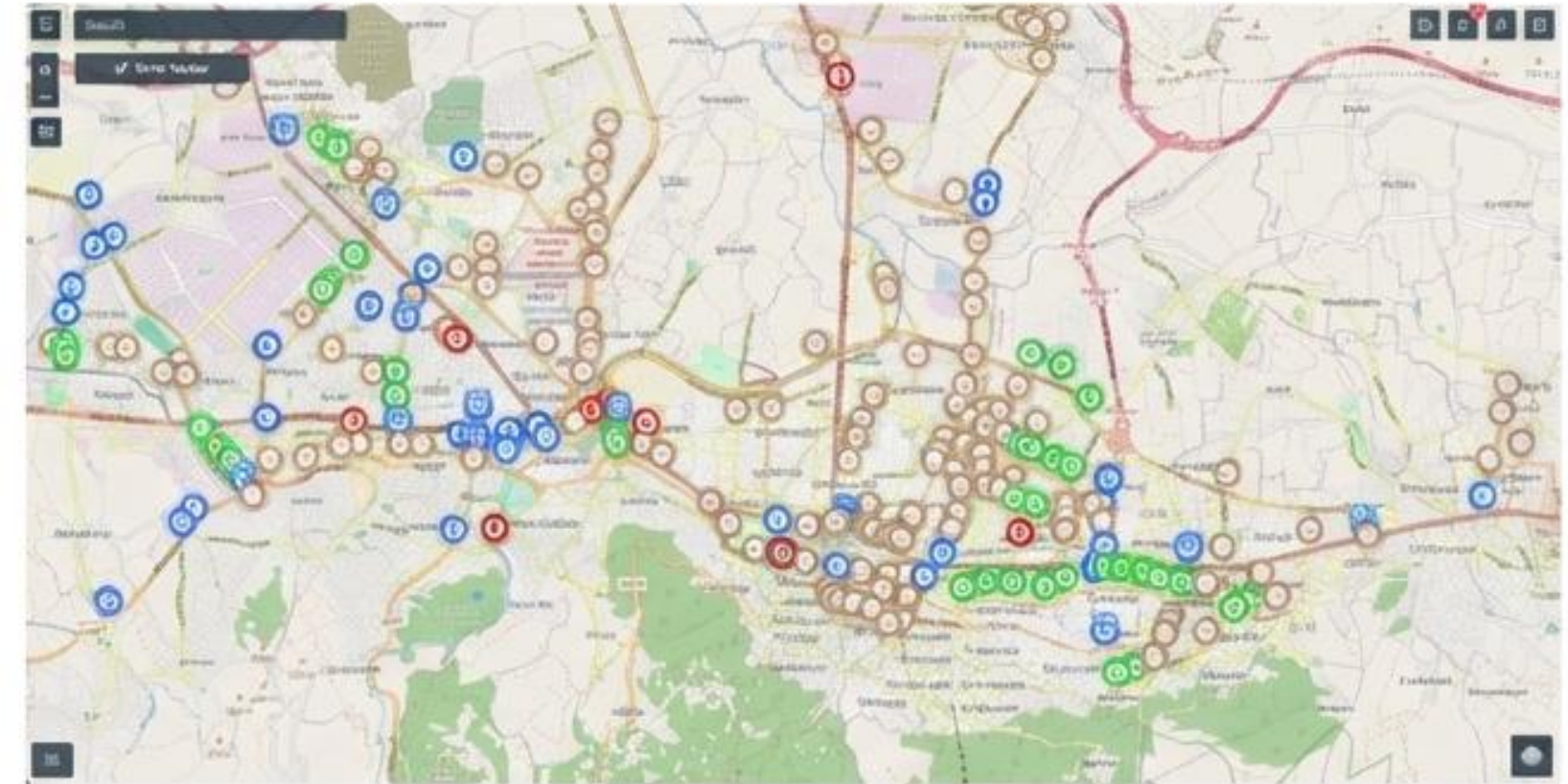
Real-Time Parking
Availability: Directing
citizens to open spots
efficiently.



BURSA, Türkiye

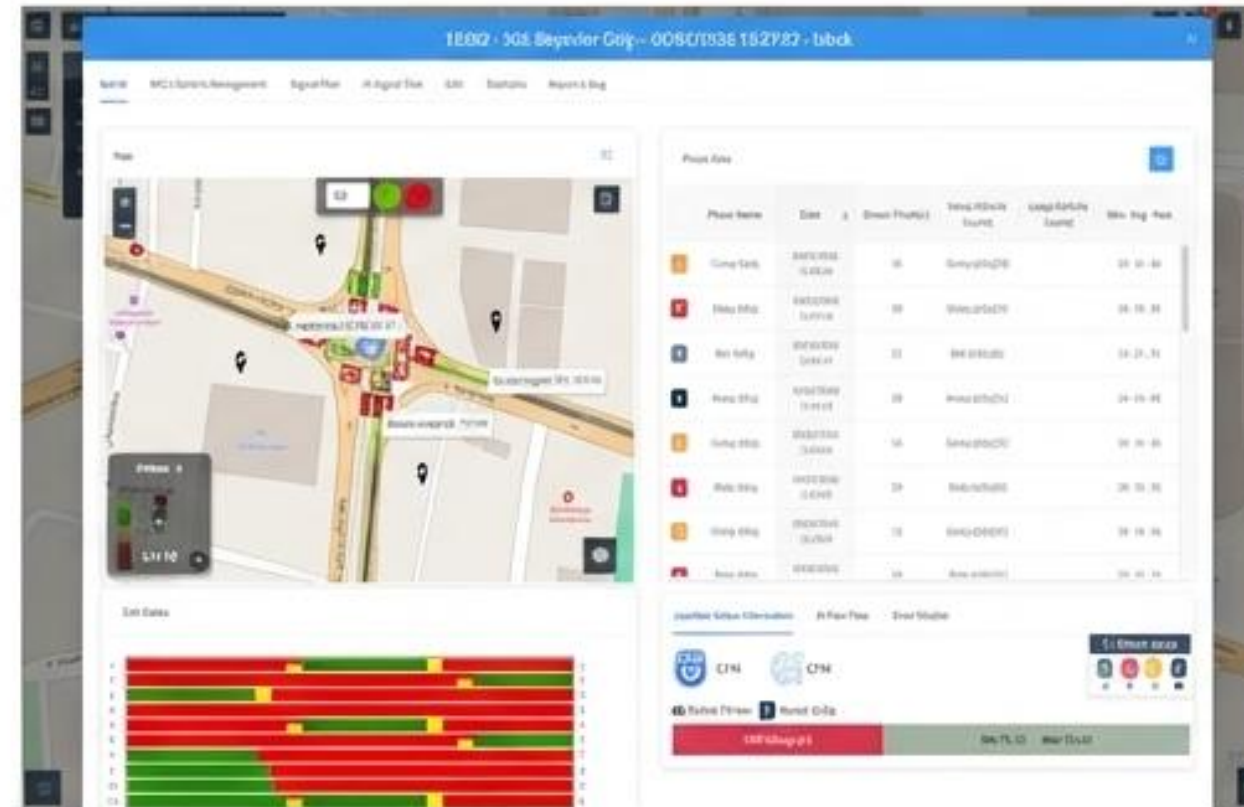
Adaptive Traffic Management

ISSD implemented a large-scale adaptive traffic management system to optimize mobility for Türkiye's 4th largest city. The system analyzes real-time conditions and dynamically adjusts intersection signal timings to maximize network capacity.



Inter Black KPI

- 3+ Million Population
- 250+ Intersections Connected
- Features: Camera-based analytics, Floating Car Data integration, Scenario-based dynamic signal control.



MALATYA, Türkiye

Smart Mobility Integration

Malatya Metropolitan Municipality utilizes integrated traffic data to enhance transportation efficiency. Bluetooth-based travel time measurements combined with traffic engineering improvements modernize intersection designs and increase travel comfort.

Key Performance Indicators:

- 80 Intersections connected to MANGO
- Bluetooth Travel Time Sensors deployed
- Variable Message Signs (VMS) & Floating Car Data active



MALATYA | Smart Mobility Integration

Modernizing urban infrastructure through data-driven engineering.

System Scale:
80 Intersections
Connected

Integrated Hardware & Software:

- Bluetooth travel time sensors and Variable Message Signs (VMS).
- Floating Car Data (FCD) integration.
- Combining travel time measurements with physical intersection redesigns to increase travel comfort.



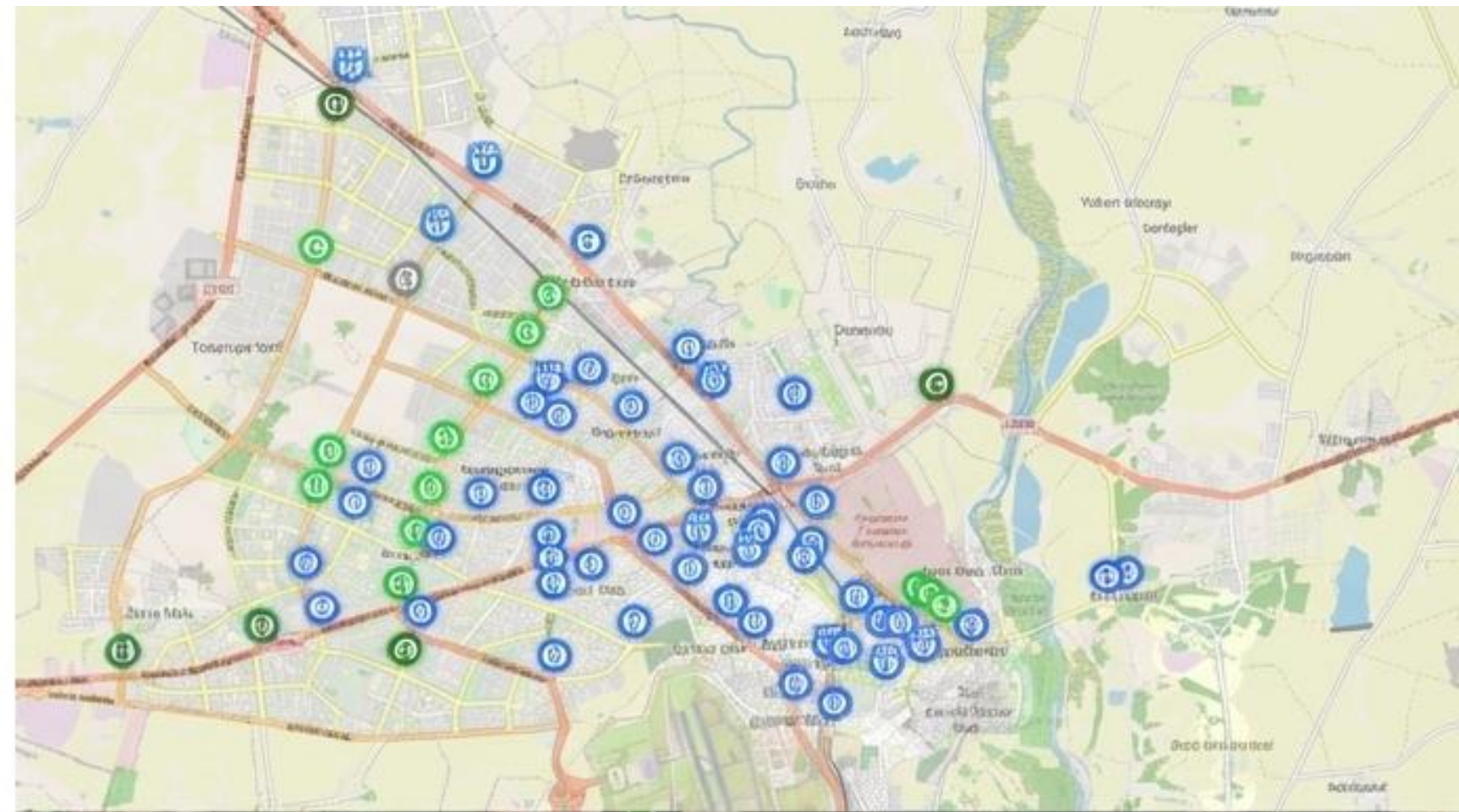
DIYARBAKIR, Türkiye

Traffic Engineering Excellence

ISSD provides advanced traffic engineering services. By combining field data, traffic simulations, and real-time analytics, cities achieve measurable, engineered improvements in physical traffic performance.

Core Engineering Services

- Intersection design optimization
- Traffic impact analysis
- Signal timing optimization
- Network capacity analysis



KONYA | Digital Twin Mobility Platform

Real-time 3D simulation for zero-risk infrastructure planning.

Platform Capabilities:

- Retrieves real-time data from sensor networks, signalization, and AI cameras.
- Live 3D visualization of traffic networks and signal phase monitoring.
- Advanced scenario simulation for traffic demand and incident simulation for traffic demand and incident management.
- Evaluate complex scenarios before field implementation.



National Enforcement Systems

Nationwide Compliance Deployment

ISSD enforcement systems support safer roads and stronger traffic compliance. These systems increase road safety while generating valuable traffic data that feeds directly into the mobility analytics platforms.

Konya | Kocaeli | Kütahya | Erzurum | Gaziantep

System Capabilities

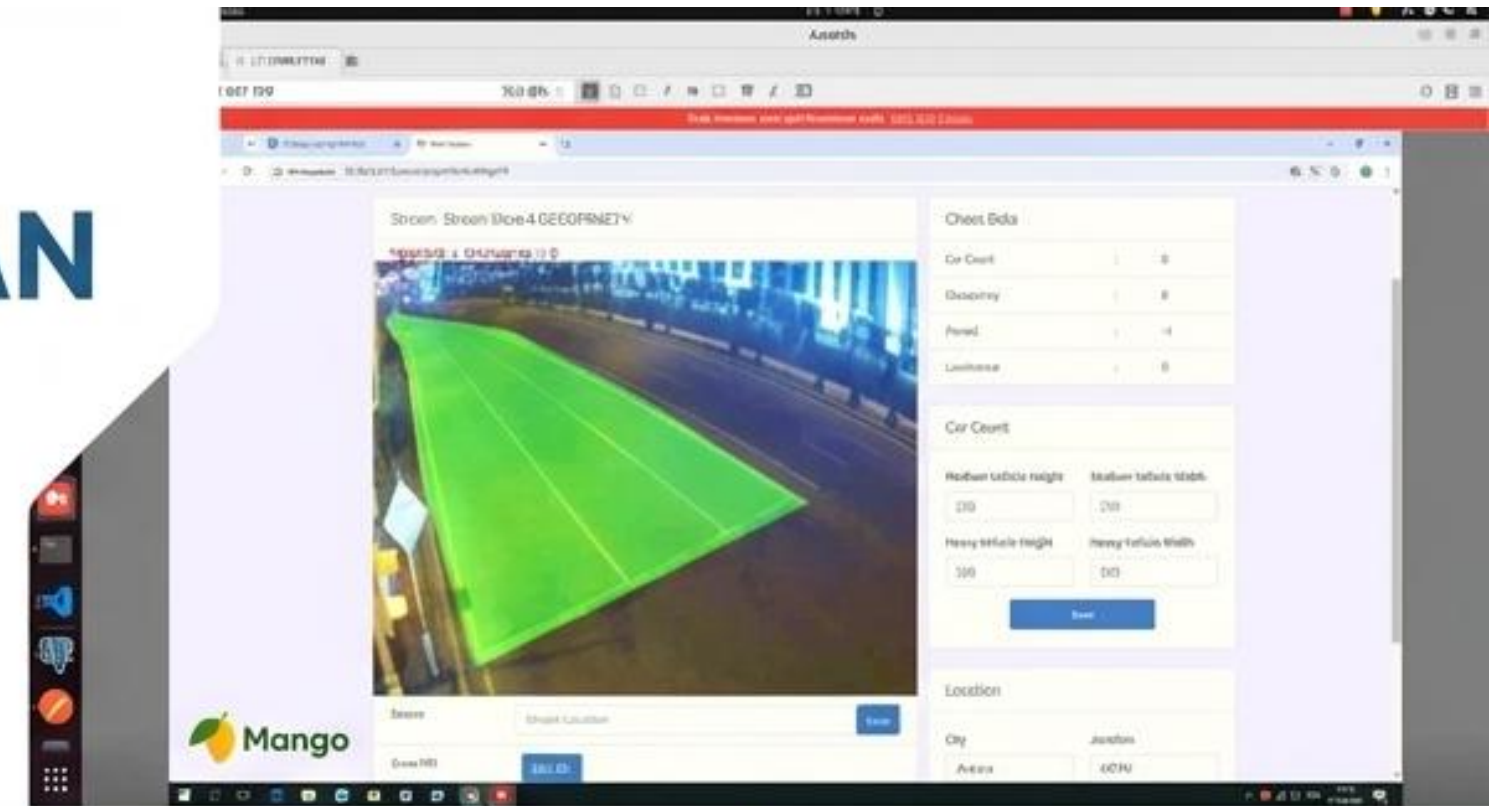
- Red light violation detection
- Average speed corridor monitoring
- ANPR based traffic monitoring
- Parking violation enforcement



TÜRKMENISTAN & UZBEKISTAN

Global Deployments

ISSD technologies scale internationally, delivering centralized traffic monitoring and compliance infrastructure to rapidly developing urban centers in Central Asia.



Arkadag, Turkmenistan

- **75+ Intersections** integrated with MANGO Platform
- Centralized traffic monitoring and dynamic intersection control

Uzbekistan

- Traffic enforcement systems at **seven strategic locations**
- Improving compliance monitoring and traffic management capabilities



AMASRA, Türkiye

AI Smart Parking System

Amasra is one of Türkiye's most historic destinations. ISSD deployed a fully integrated AI-based parking management system to optimize operations, improve visitor mobility, and increase service capacity for growing tourism demands.

- **Historic city with 3000+ years of history**
- **Automated closed & road-side parking management**
- **Parking information displays & mobile app integration**

