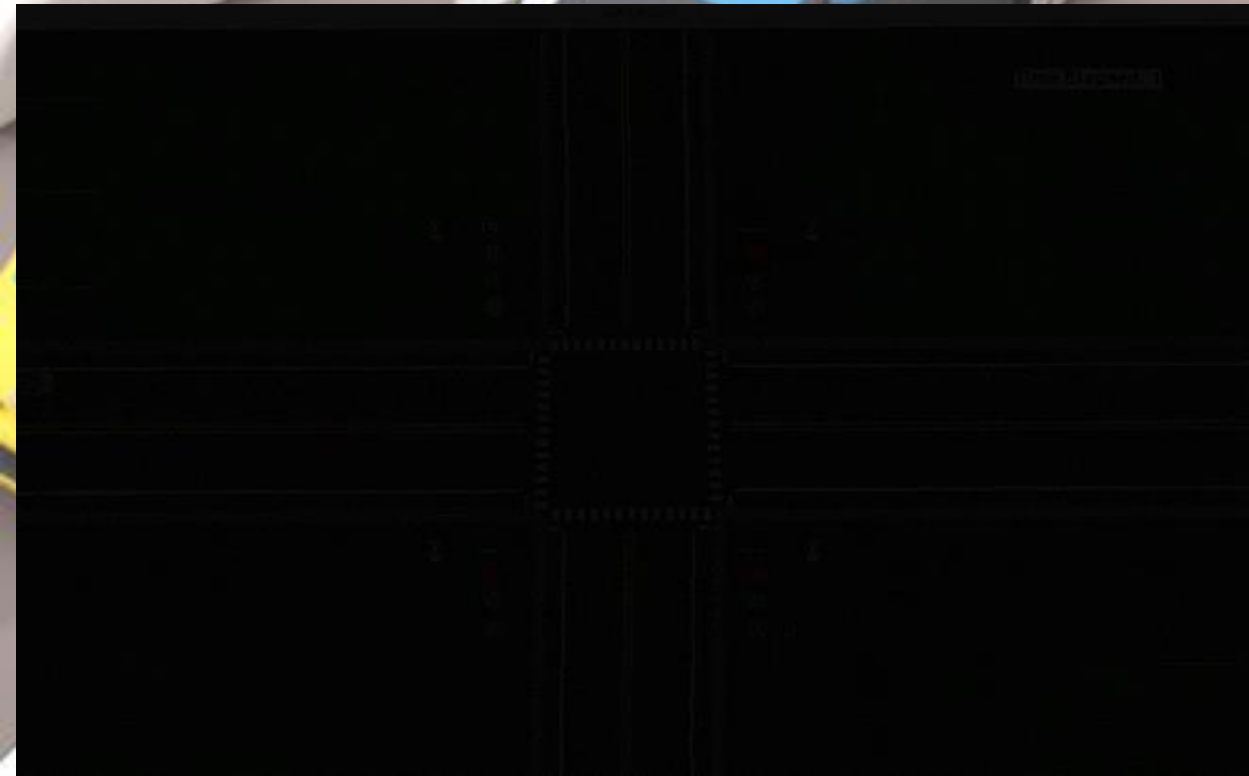
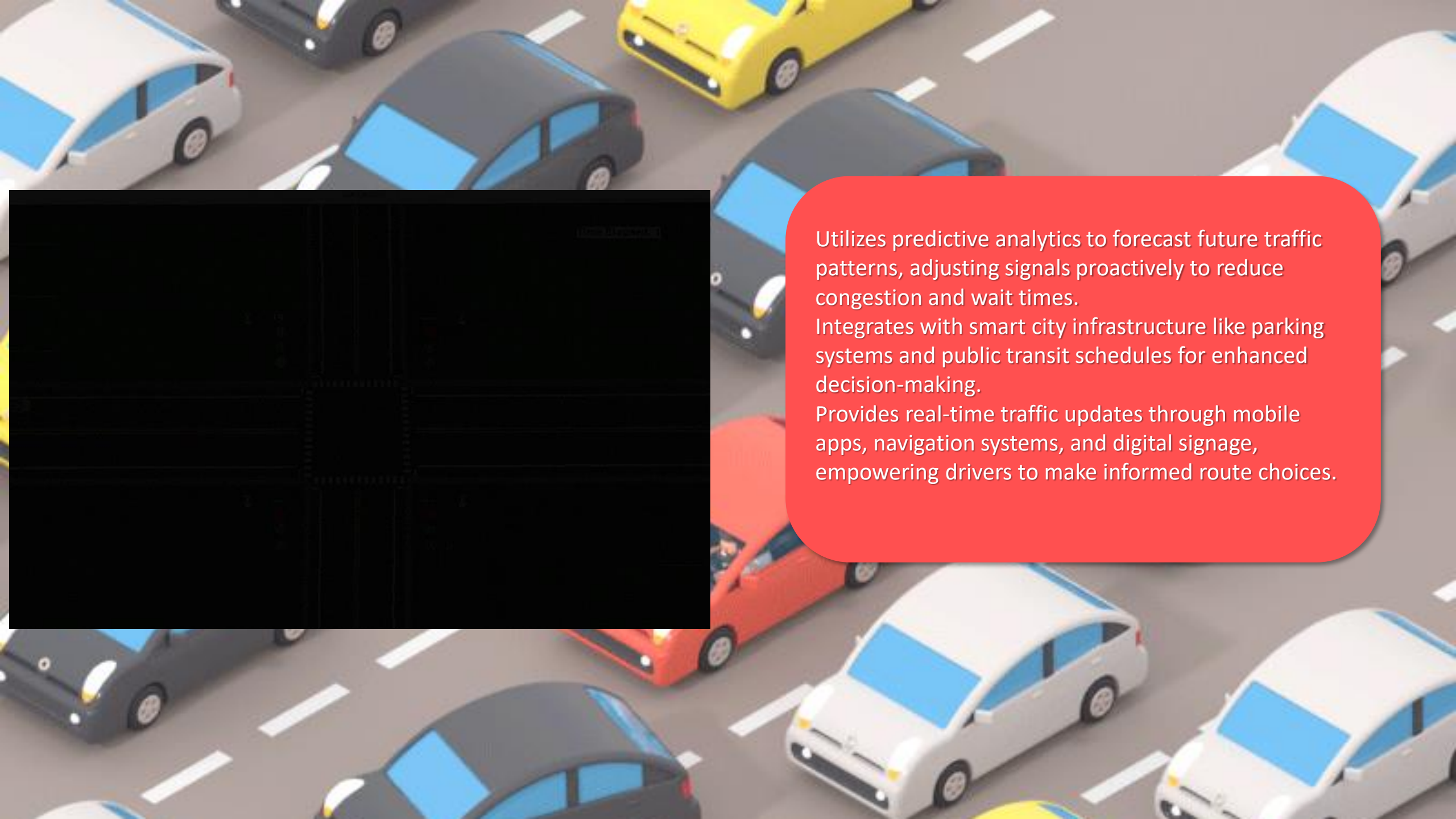




Smart Traffic

Members:

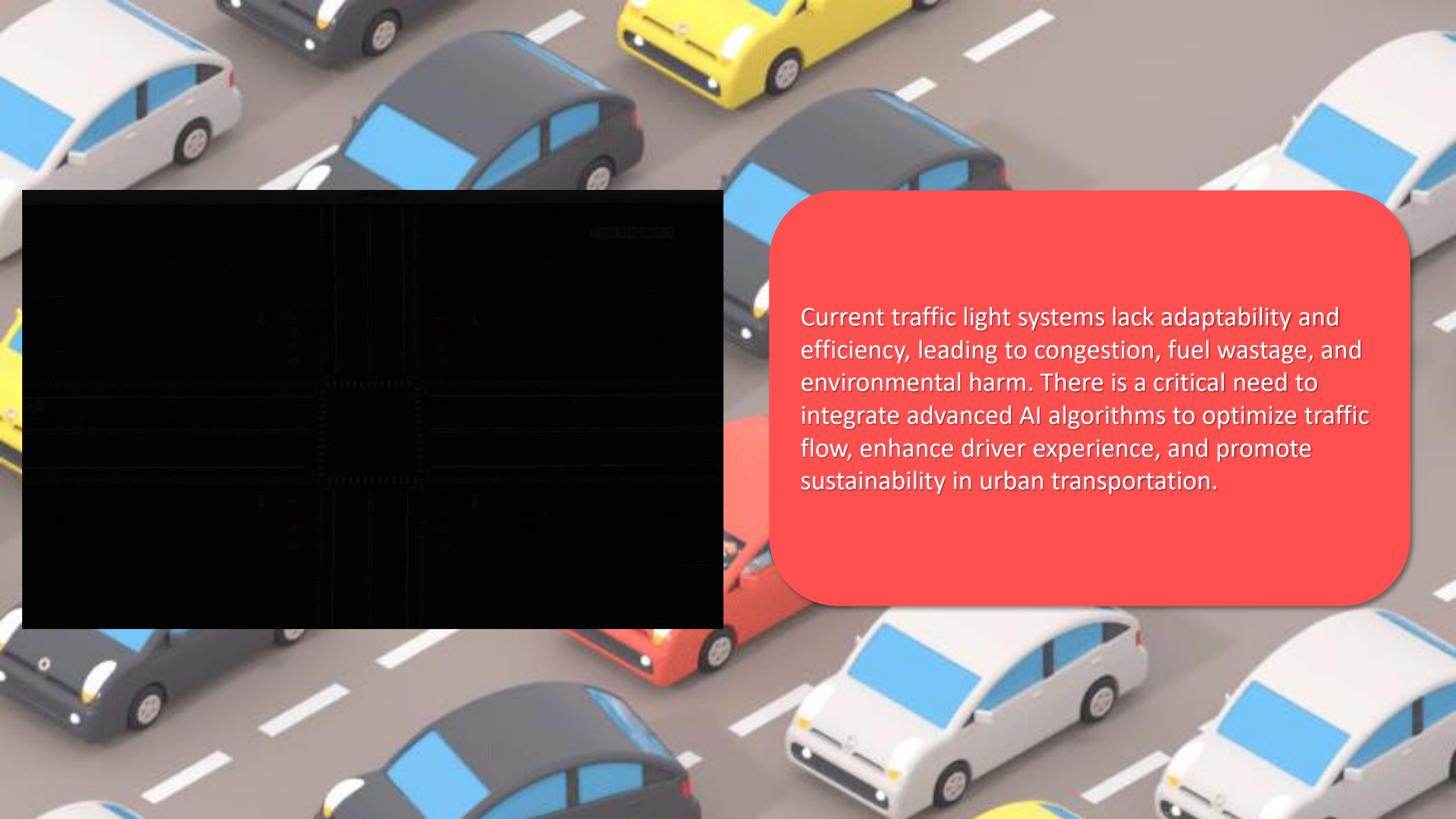
Nishita, Mina, BoRiKa
, Vinskeprice



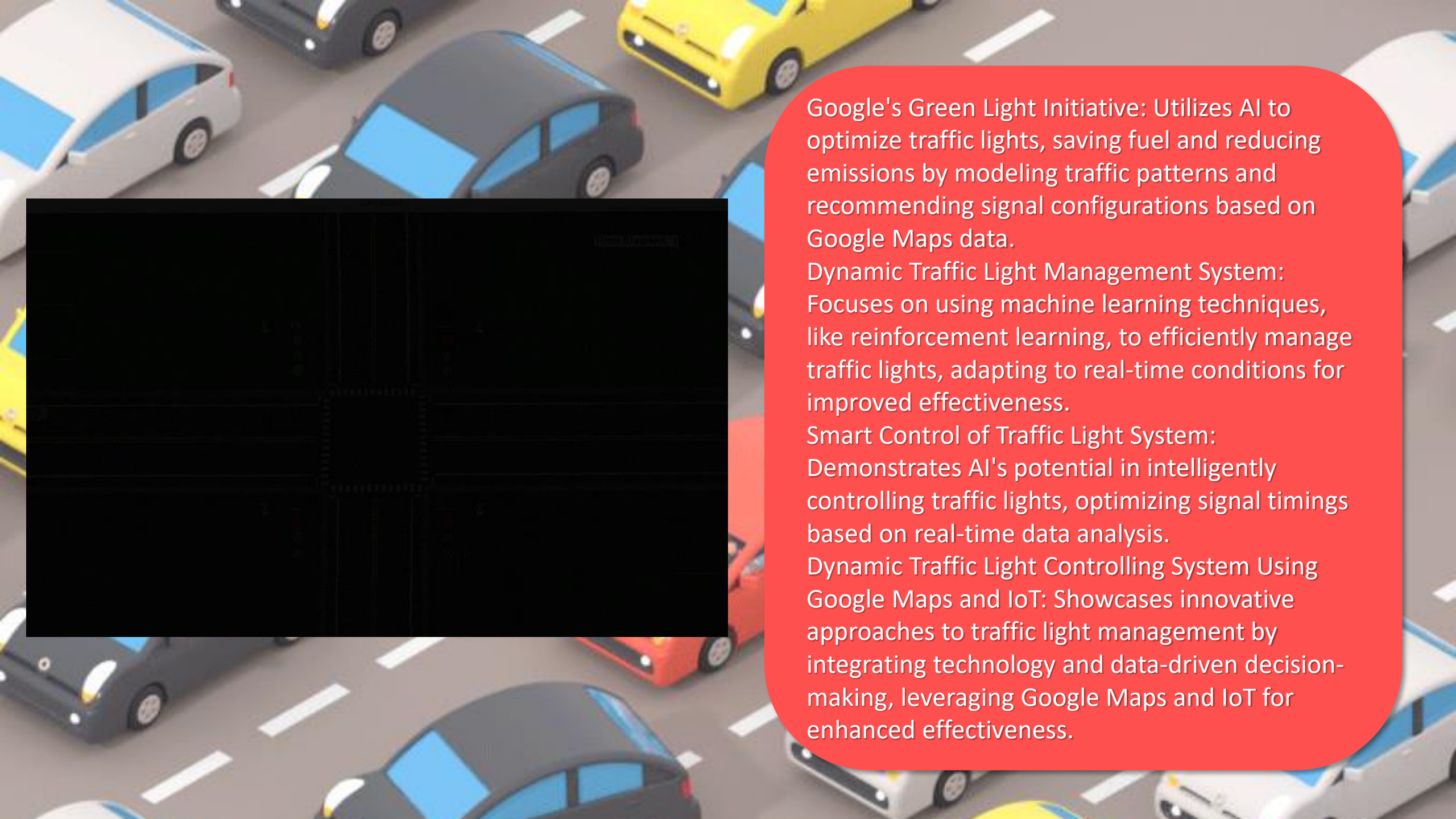
Utilizes predictive analytics to forecast future traffic patterns, adjusting signals proactively to reduce congestion and wait times.

Integrates with smart city infrastructure like parking systems and public transit schedules for enhanced decision-making.

Provides real-time traffic updates through mobile apps, navigation systems, and digital signage, empowering drivers to make informed route choices.



Current traffic light systems lack adaptability and efficiency, leading to congestion, fuel wastage, and environmental harm. There is a critical need to integrate advanced AI algorithms to optimize traffic flow, enhance driver experience, and promote sustainability in urban transportation.



Google's Green Light Initiative: Utilizes AI to optimize traffic lights, saving fuel and reducing emissions by modeling traffic patterns and recommending signal configurations based on Google Maps data.

Dynamic Traffic Light Management System: Focuses on using machine learning techniques, like reinforcement learning, to efficiently manage traffic lights, adapting to real-time conditions for improved effectiveness.

Smart Control of Traffic Light System: Demonstrates AI's potential in intelligently controlling traffic lights, optimizing signal timings based on real-time data analysis.

Dynamic Traffic Light Controlling System Using Google Maps and IoT: Showcases innovative approaches to traffic light management by integrating technology and data-driven decision-making, leveraging Google Maps and IoT for enhanced effectiveness.



Thank You