



Safe City & Intelligent Mobility India

Powered by Astrikos AI – (Smart Interop Analytical
Platform) S!aP Platform



Urban Challenges



Fast paced
growth of cities



Congestion
choking mobility



Climate-induced
floods & heatwaves



Safety concerns
(People & assets)



Reactive systems
vs. predictive needs

Introducing Astrikos AI – S!aP



One Platform, Many Systems, Predictive Outcomes.



Unified interoperability platform for IT, OT, IoT, ET



Predictive analytics and anomaly detection



AI playbooks for automated response



Immersive dashboards (S!aPViz-Builder)



S!aP
SMART INTEROP
ANALYTICAL PLATFORM

Safe City Use Cases



Crime Monitoring –
Faster incident response



Women's Safety – SOS
triggers automated dispatch



Disaster Management –
Flood/heatwave early warnings



KPIs: Incident response time,
alert acknowledgment %,
lead time for warnings



What-if: Flooded metro
station → reallocation of
buses, alerts to citizens

Intelligent Mobility Use Cases

- ❖ Adaptive Traffic – AI-driven signal reconfiguration
- ❖ Public Transport Optimization – Predict overcrowding
- ❖ EV Ecosystem – Load balancing during peak demand
- ❖ KPIs: Travel time reduction %, congestion index, EVSE uptime %
- ❖ What-if: Accident blocks India Gate circle → resolution in 20 mins



Best Practices Framework



Unified command
& control



Standards-driven
implementation



Predictive AI-first
approach



Citizen-centric
dashboards



Public-private
partnerships



Cybersecurity and
privacy by design

Sample KPI Dashboard

 Red/Yellow/Green Alerts

 Traffic heatmaps

 Response time metrics

 EV charging station uptime

 Congestion hotspots

OPERATIONAL DASHBOARD



Alert



Yellow



Green



Response Time
04 min



EV
Charging



What-if Scenario Simulation

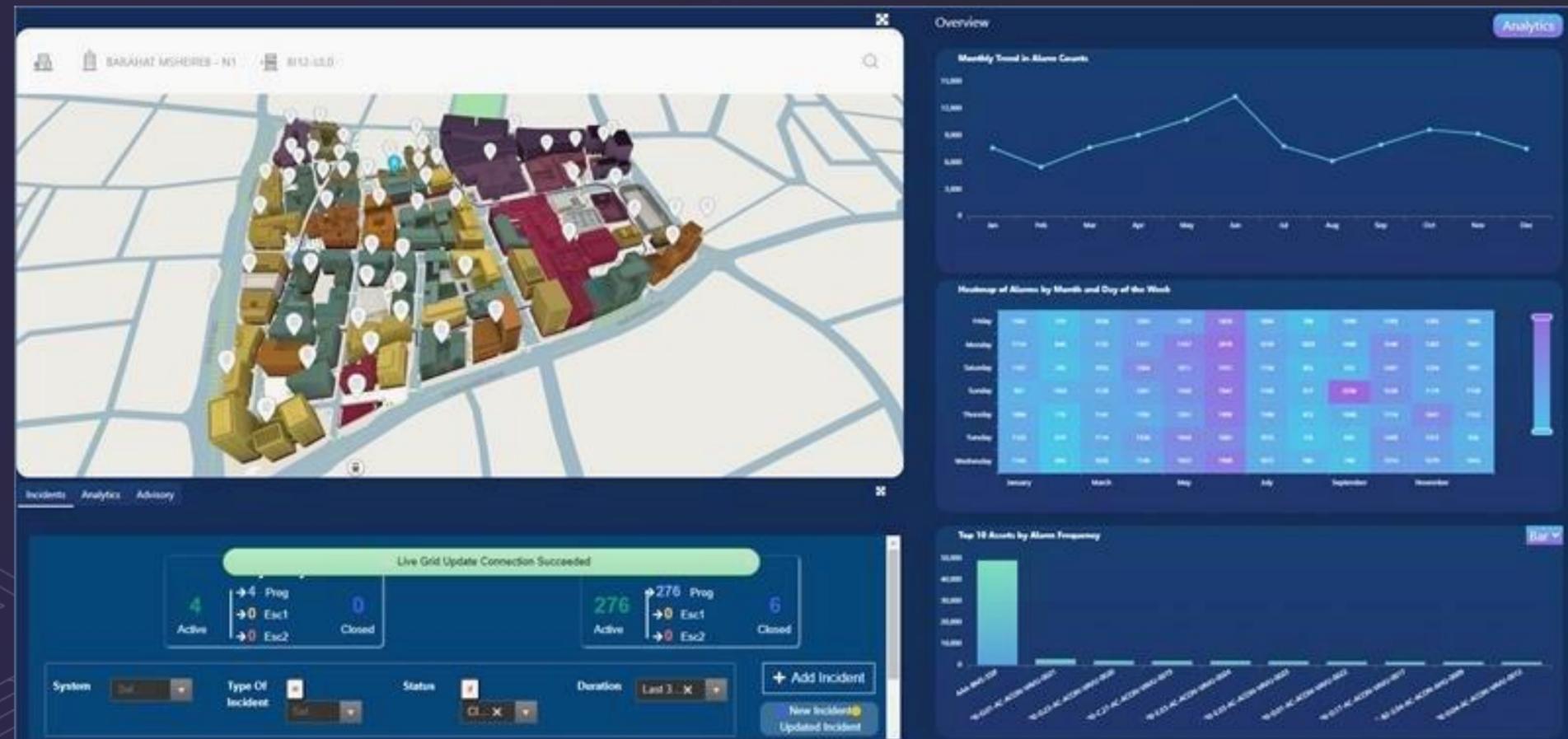
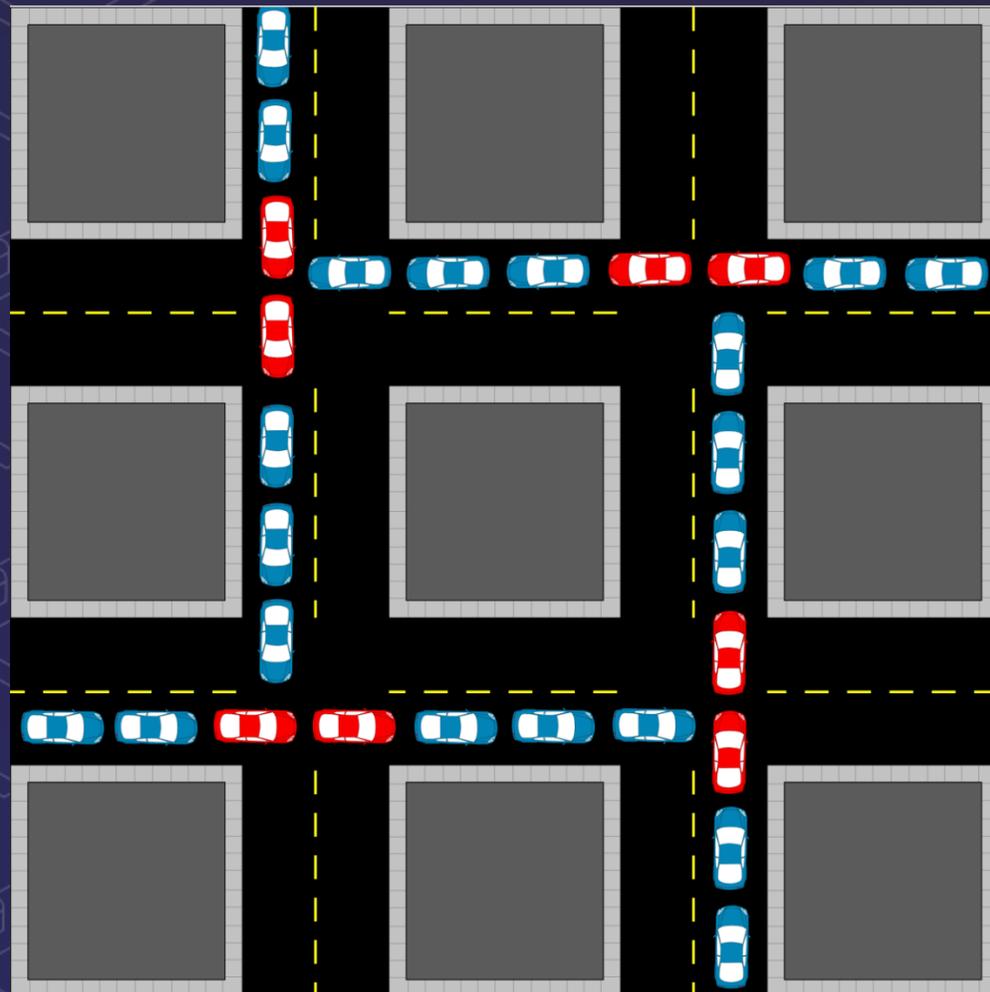
Scenario: Accident blocks arterial road

Before S!aP:

2 hours of gridlock

With S!aP:

- Dynamic rerouting
- Adaptive signal control
- Resolution in 20 mins



Closing Note



Safe City & Intelligent Mobility are not just technology projects.



S!aP enables predictive intelligence, resilience, and efficiency.



**PREVENTIVE
USING DATA-LED
DECISION-MAKING**



They are citizen trust projects.



Every KPI achieved means time saved, incidents prevented, and lives protected.

Table # 1

Population Growth: 2015 → 2025 (Metro / Urban Agglomerations)

City	Population 2015	Population 2025	Absolute Growth (M)	Growth %	Source
Delhi	~25.9 M	34.7 M	+8.8 M	~34.0%	UN WUP 2018 (via Macrotrends/Destatis)
Mumbai	~21.7 M	22.1 M	+0.4 M	~1.9%	UN WUP 2018 (via Macrotrends/Destatis)
Kolkata	~14.4 M	15.8 M	+1.4 M	~9.9%	PopulationStat / WorldPopulationReview
Chennai	~12.05 M	12.34 M	+0.29 M	~2.4%	StatisticsTimes / WorldPopulationReview

Table # 2

Registered motor vehicles (city / urban agglomeration) | (units = lakh = 100,000 vehicles)

City	"2015" baseline (closest official)	Latest (near-2025)	Absolute growth (lakh)	Growth %	Source(s)
Delhi	88.51 (as on 31-Mar-2016)	≈150 ("more than 1.5 crore", 2025)	61.49	~69.5%	MoRTH Road Transport Year Book 2015-16 lists 88.51 lakh for Delhi among million-plus cities, as on 31-Mar-2016. Ministry of Road Transport and Highways • Times of India (Jul-2025): registered vehicles in Delhi >1.5 crore. The Times of India
Mumbai (Greater Mumbai)	28.20 (as on 31-Mar-2016)	48.0 (FY 2023-24)	19.80	~70.2%	MoRTH Road Transport Year Book 2015-16 cites 28.20 lakh for Greater Mumbai. Ministry of Road Transport and Highways • Times of India (2024): Mumbai vehicle count crosses 48 lakh. The Times of India
Chennai	49.38 (as on 31-Mar-2016)	≥60.0 (as of 2021)	≥10.62	≥~21.5%	MoRTH Road Transport Year Book 2015-16 cites 49.38 lakh for Chennai. Ministry of Road Transport and Highways • Wikipedia → Chennai (citing transport stats): "As of 2021, there are over six million registered vehicles in the city." Wikipedia
Kolkata	~16.30 (nearest data point: 2017)	21.8 (2022)	~5.5	~33.7%	For 2017, Kolkata had 16,30,440 vehicles; for 2022, 21.8 lakh. (Indian Express, Dec-2023). Used as the closest consistent series to 2015 and 2025. The Indian Express

Table # 3

Average Annual Temperatures (°C): 2015 vs 2025

City	2015 Avg Temp (°C)	2025 Avg Temp (°C)	Change (°C)	% Change	Source
Chennai	30.2	31.0	+0.8	+2.65%	WorldWeatherOnline
Delhi	25.3	26.0	+0.7	+2.77%	Tutiempo
Kolkata	26.8	27.5	+0.7	+2.61%	WorldWeatherOnline
Mumbai	26.5	27.0	+0.5	+1.89%	WorldWeatherOnline

Table # 4

Comparative Overview

These best practices demonstrate how integrating advanced technologies can significantly enhance urban safety for both people and assets.

City	Initiative	Key Technology	Reported Impact
Singapore	Integrated Transport Command Centre	IoT, Data Analytics	Enhanced traffic flow, reduced congestion
Barcelona	IoT-Driven Adaptive Lighting & Safety	IoT, Motion Sensors	20% crime reduction, 30% energy savings
London	Predictive Policing Dashboards	Predictive Analytics	19.8% crime reduction
Dubai	AI-Based Accident Prediction	AI, Machine Learning	Reduced traffic incidents

Thank You

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