

axilion

solving traffic, at scale

www.axilion.com



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Overview

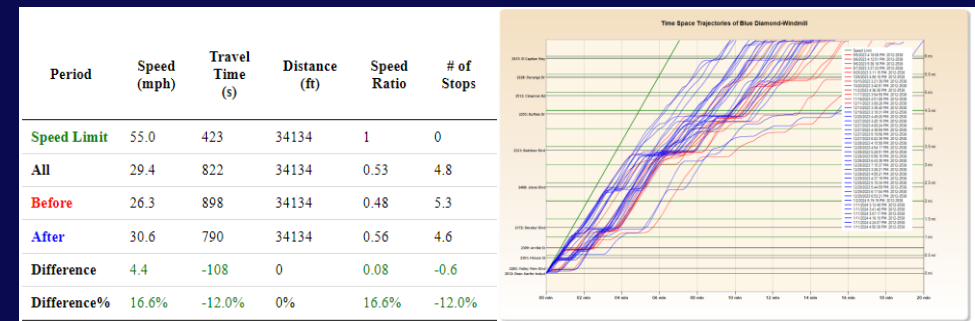
Axilion (TLV: AILN) harnesses the power of AI to help cities take control of their mobility challenges. Our cutting-edge X Way suite of AI Cloud Services (SaaS), generates real-time traffic insights and optimized traffic plans, enhancing urban livelihoood.



Axilion – Start of 2024:

- ✓ X Way is a unique solution, field tested, validated business model, outpacing current technologies
- ✓ US market focus, largest worldwide, with excellent traction
- ✓ Secured a wide range of business partners, aimed at expanding and accelerating US market penetration

- ✓ Nine pilot engagements, at various stages, with customers managing over 12,000 intersections
- ✓ Key 2024 milestone – multiyear, significant service contract within 2H24
- ✓ Las Vegas pilot showing 12% improvement in main arterial travel time, annual \$1.3M commuter time savings





Poorly timed traffic signals contribute to massive inefficiencies in driver commutes and significant fuel emissions



Approximately **7%** of driving time is spent waiting at signalized intersections.

An existing \$1 billion yearly industry at a disruption point



There are over **330,000** signalized intersections in the United States.



Federal guidelines require retiming at least **every 2-to-3** years.



Retiming a single intersection costs between **\$2,500 to \$3,500**, costing cities over **\$1 billion** every couple years



Embracing innovation in signal timing

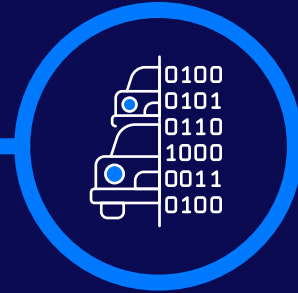
Traffic engineering did not change over the last century!!



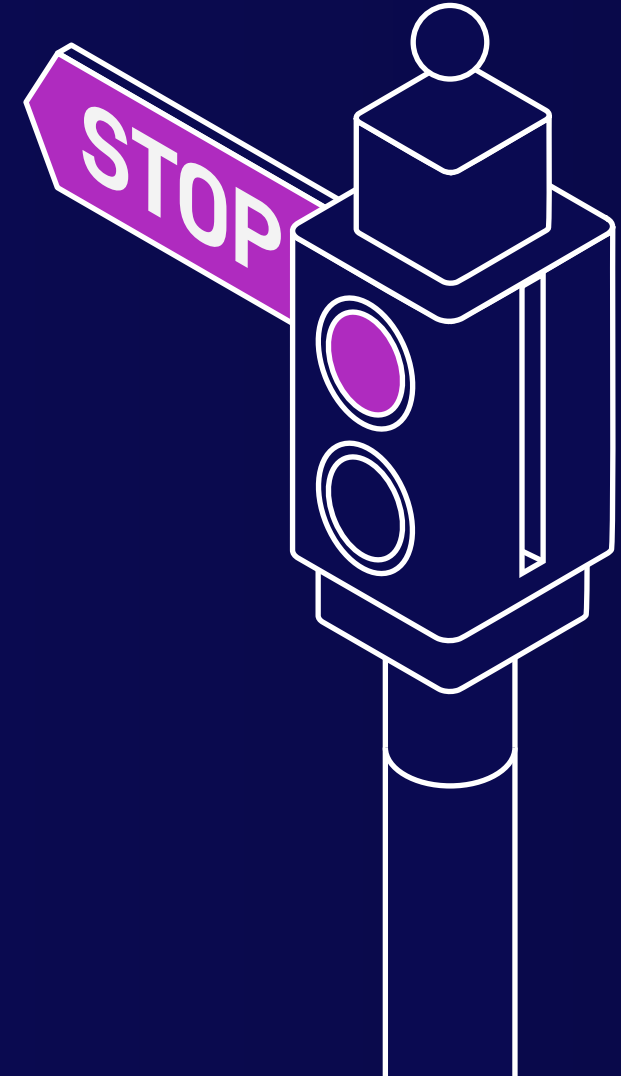
Engineers lack the ability to experiment with traffic signal changes without impacting real-time traffic and potentially putting drivers at risk.



Traffic engineers are rooted in a conservative mindset and haven't changed their approach in 50 years.

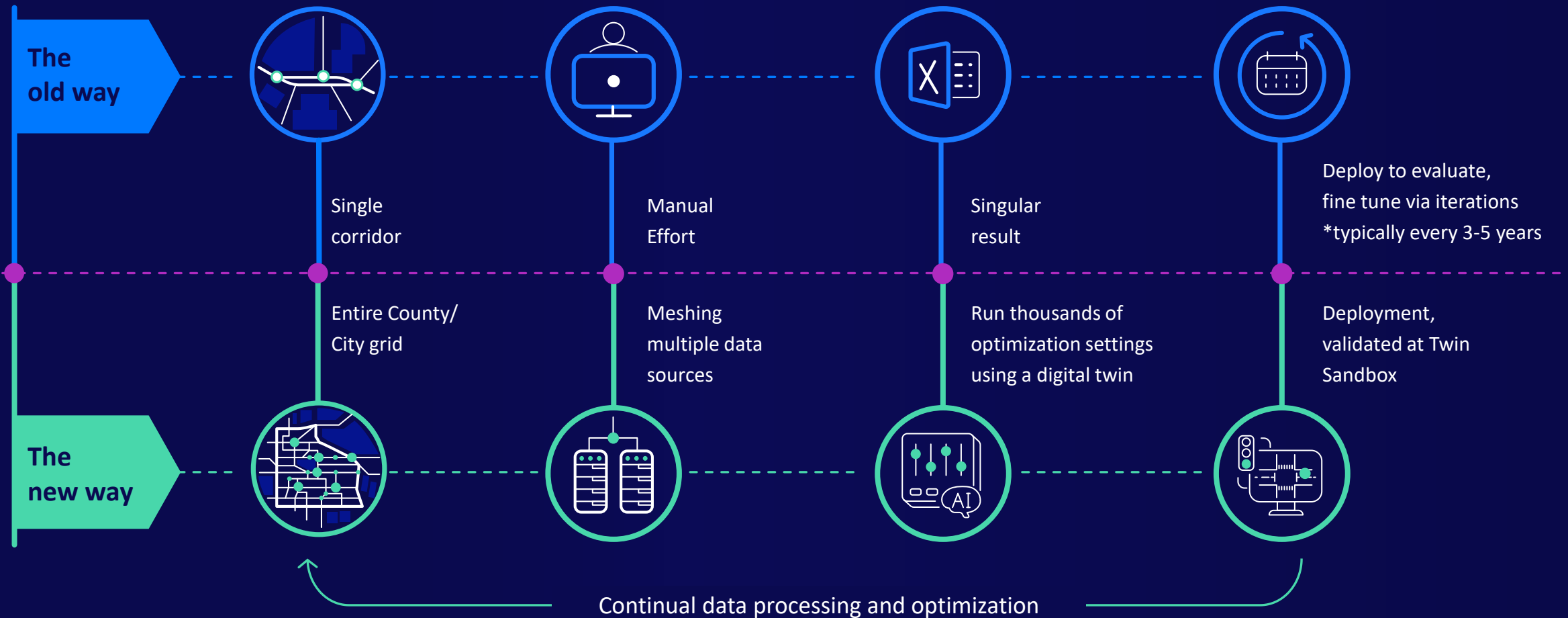


Cities cannot process the sheer volume of data needed to make effective traffic signal enhancements.





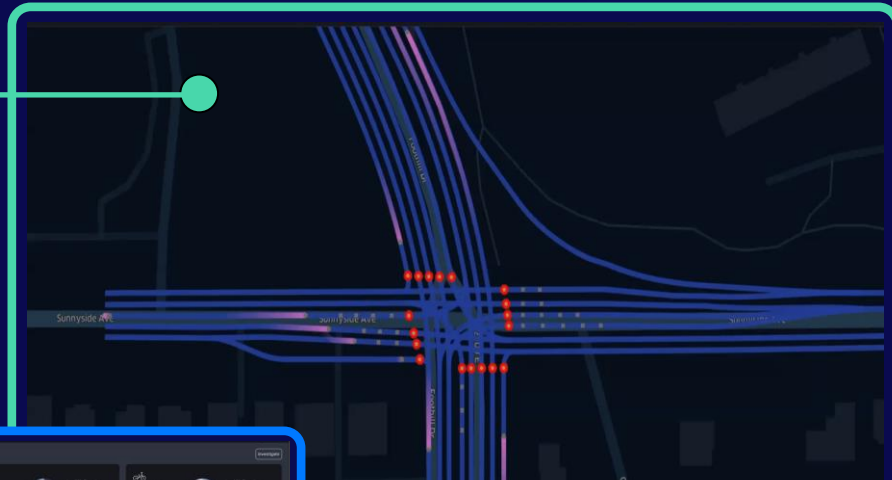
Paradigm shift from a manual, one-corridor-at-a-time approach, to an AI powered, SAAS based automated solution for managing signal timing on the large scale





X Way uses AI-Powered digital twin technology to test tens of thousands of traffic signal timing without affecting real-time traffic

Detailed microsimulation



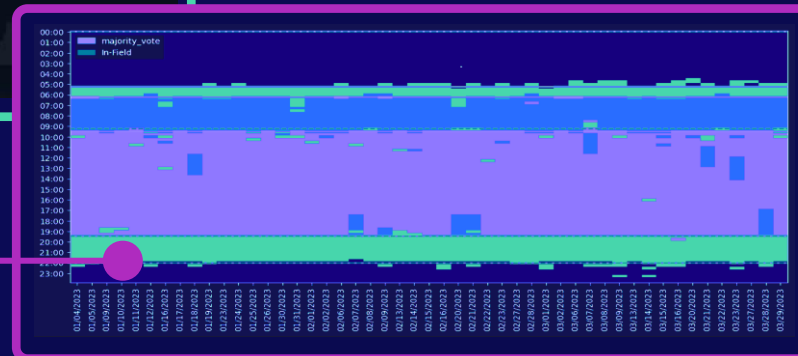
Corridor performance



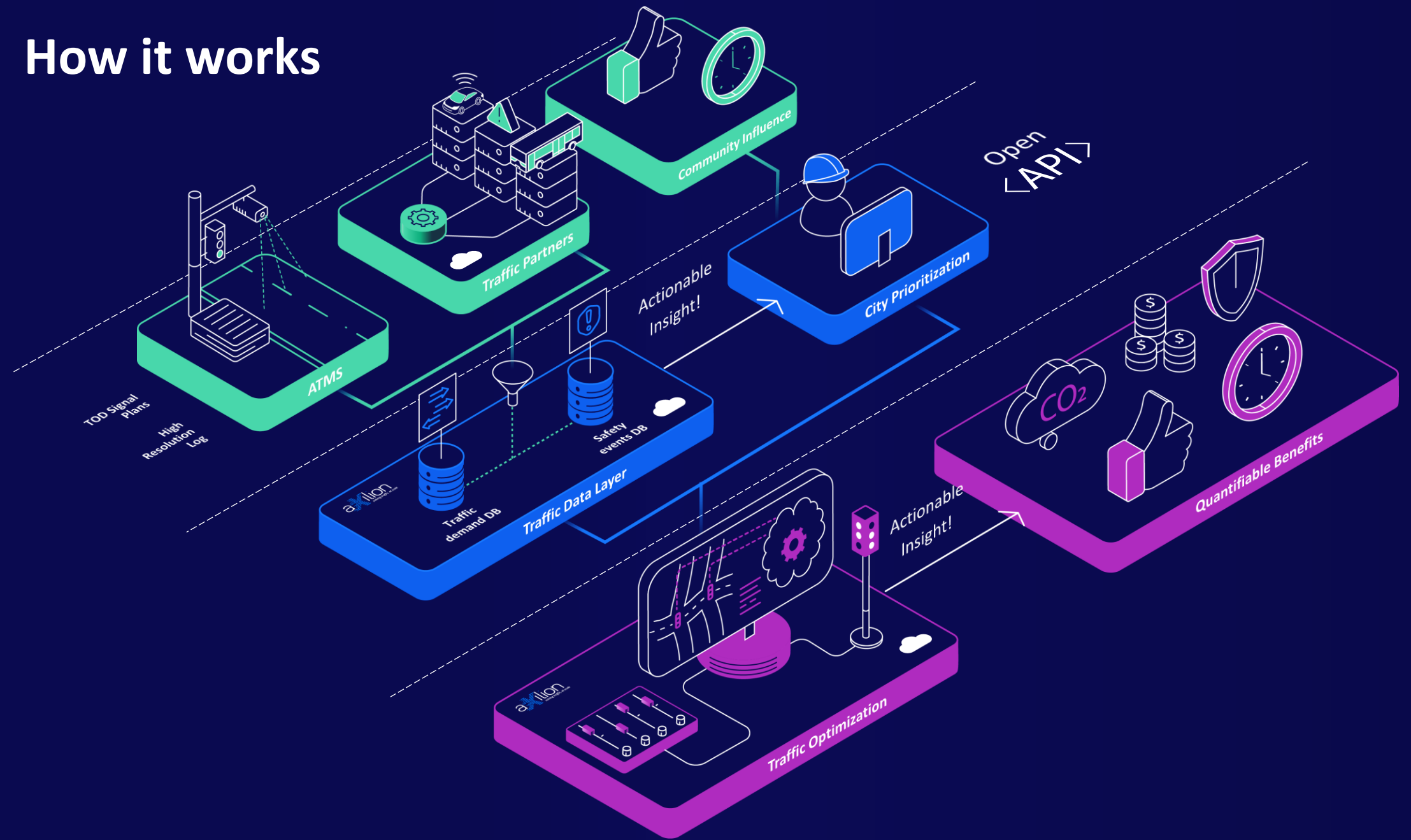
User Capabilities:

- ✓ Gain a comprehensive understanding of the traffic environment through the fusion of diverse data sets.
- ✓ Distinguish patterns and uncover anomalies to prioritize improvement efforts effectively.
- ✓ Test various signal configurations without impacting real-time traffic.
- ✓ Access tailored signal timing plan recommendations

AI-Based Traffic Cluster Analysis



How it works



Partners and Prospects





Case study:



- Controls over 1,600 intersections,
- \$445M annual budget



Timeline

Sep 2023 – Jan 2024



LOCATION

Blue Diamond Rd.
9 intersections across 6.5-
miles
Las Vegas, NV

Speeding Up Travel Time by 12% for RTC of Southern Nevada



12%

improvement in main arterial travel time

Initial time-space analysis shows an average speed of 33mph in vehicles traveling westbound, marking a 10.4% reduction in travel time



23%

reduction in control delay

Projected improvement in commuter delay due to traffic signal operation for signalized intersections



\$1.3M

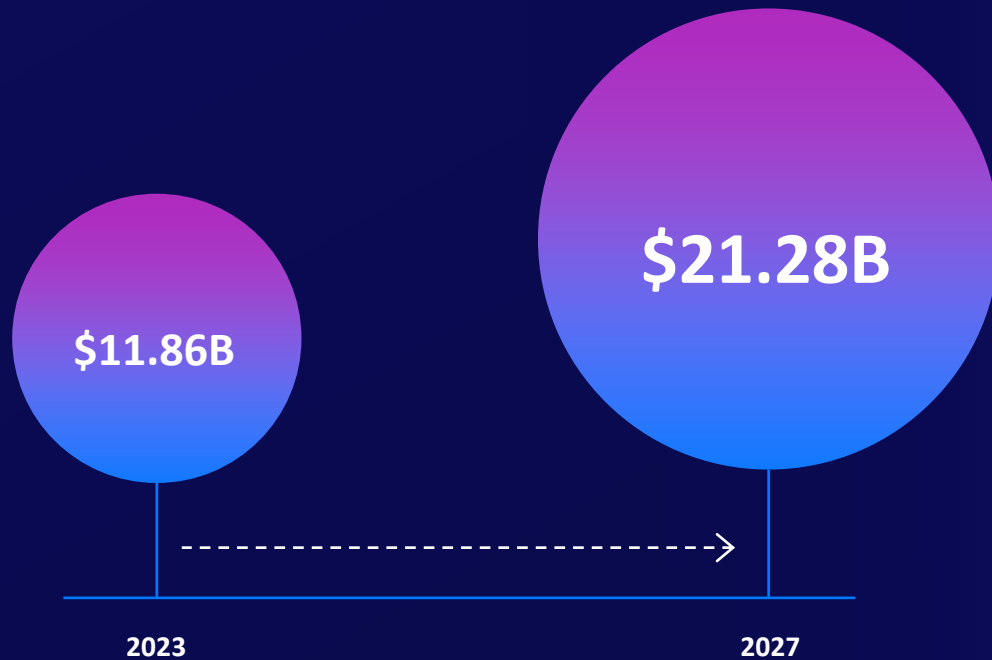
dollars saved annually

Projected annual savings resulting from a combined 68K hour reduction in commuter travel time and a 39-ton reduction in carbon emissions



The traffic management market is massive and is poised to grow exponentially in the coming years

Intelligent traffic management system market growing at a 13.8% 4-year CAGR



Source: Grand View Research

Axilion is the only company today with the capability to address the entire market

\$11.86B

Serviceable by Axilion

Total intelligent traffic management system market



\$7.7B

Serviceable by competitors

65% of market with connected intersections

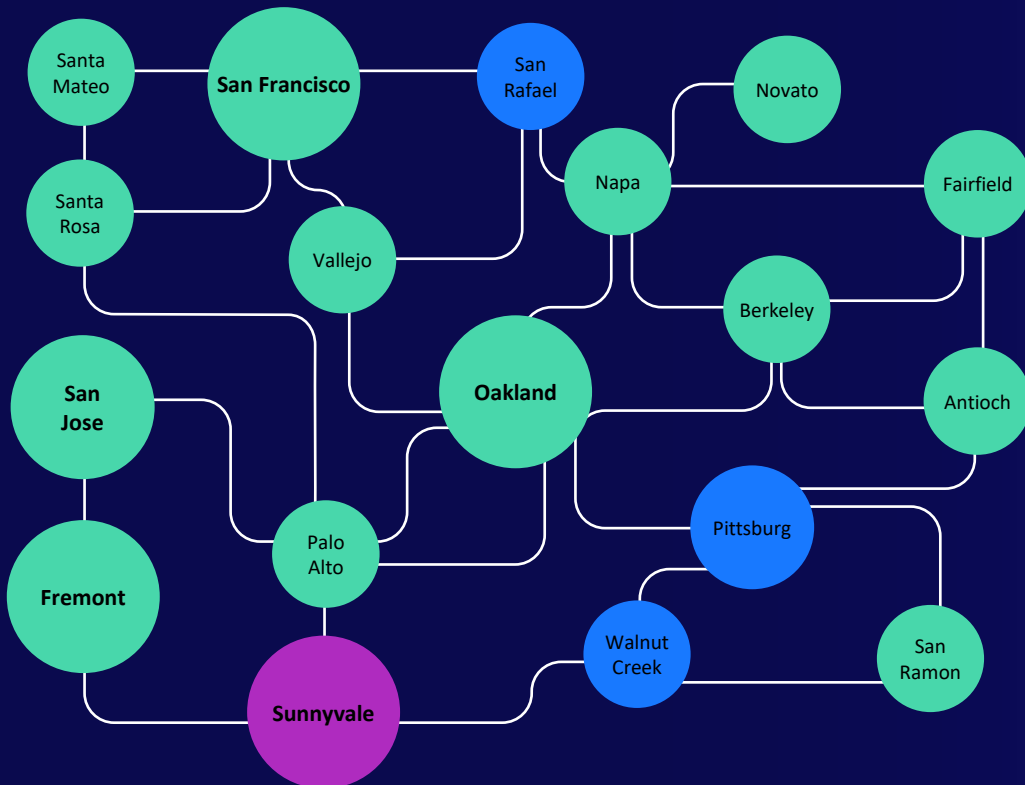
Source: The Insight Partners



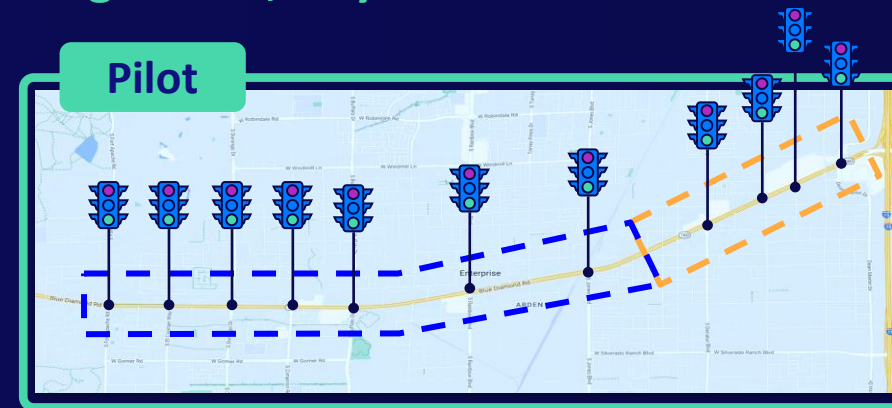
Optimizing specific traffic corridors has a network effect that extends to interconnected corridors

One City Sparks Regional Connections

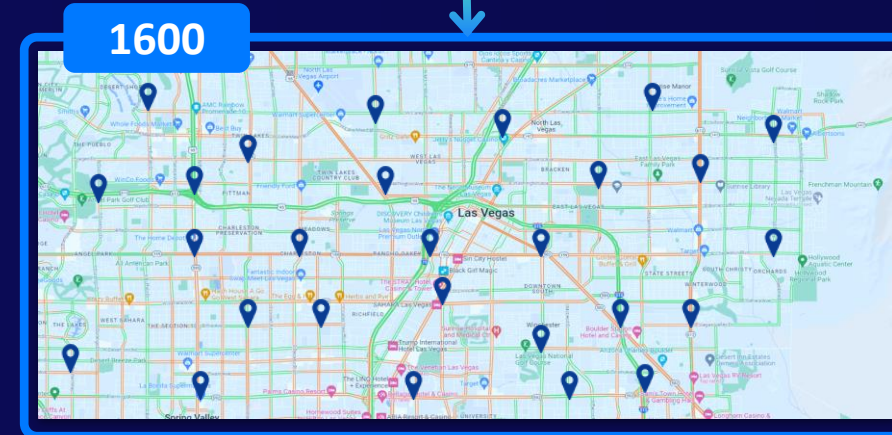
Utilizing a network of interconnected cities to broaden our impact across the region.



Single Pilot, Citywide Reach



Harnessing a single pilot to unlock the potential of citywide distribution.



With a software based solution and a three-month pilot, this SAAS based platform expands in a dramatic manner across geographies



A tiered SAAS model enables Axilion to serve a diverse market, offering clients the flexibility to upgrade

TIER 1

Signal Retiming



- Per intersection / per year multi year service contract
- Typical engagement will include several corridors (10-20 intersections)

TIER 2

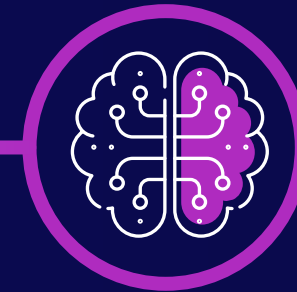
Regional grid management



- Full blown digital twin
- Multi-year funding allocation
- Unlimited optimization across the entire grid

ADD-ON

Digital Twin City Level Insights



- Future planning
- Operations
- Scenario modeling



Financial projections:



The afore mentioned constitutes a forward-looking statement only, based on market assessment and the company management's forward-looking estimates. There is no assurance that this forecast will be realized.

Thank you!

