

Axilion Shaping Traffic

August 2022



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Axilion is on track at full strength

1

- The company's products have reached a high level of maturity

2

- Success in key pilots, advancing us towards business and technological maturity
- Achieving new pilots in key US territories - **with Tier-1 Partners.**

3

- Due to recent successes, the company was able to recruit Key Advisory Board members with vast connections and experience in the US market - A key to future business success.

Progress Since April 2022

Product

- ✓ Maturing (via customer interaction)
- ✓ Pure SW, full SAAS
- ✓ US integration initiated via Utah DOT collaboration

Pilots

- ✓ California - on going - A well managed project
- ✓ At least one more on the horizon

Team

- ✓ Excellent new hires (Haifa - AI, Algo, Sofia - Team leads)
- ✓ Advisory board - added GTM focused talent

Vision

Improving quality of life via urban traffic management innovation

Mission

Offer unique proactive, predictive AI based traffic management solutions, focusing on urban multimodal travel, safety and carbon emission reduction. Harvest existing cloud based traffic data, interact with legacy traffic infrastructure - No additional hardware footprint required

Fast Pace Traffic Trends



Proactive, Predictive Traffic Management



1

Clear path from policy to field implementation

- City traffic goals - Traffic signal plans
- Carbon reduction/Transit preference/Safety
- Solution to track policy effectiveness



2

At scale efficiency

- Zero added hardware
- Available cloud traffic data as input
- Cloud data interaction with corridor traffic partners
- Open architecture, SAAS implementation

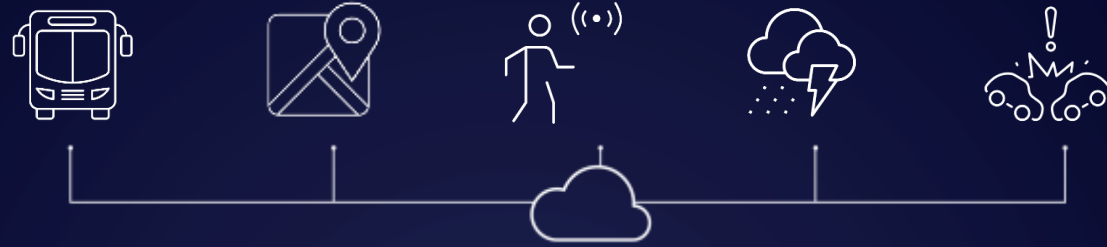


3

One stop shop

- Planning
- Optimizing
- Predicting

Axilion X Way



ATMS

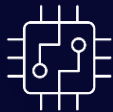
High Resolutions Log



TOD Signal Plans



Traffic Controllers



Backend

Road Geometry



Traffic Flow Digital Twin



Optimization Engine



Prediction Engine



Frontend

Dashboard

- KPI
- Carbon



Designer

- Workbench
- Policy tracker



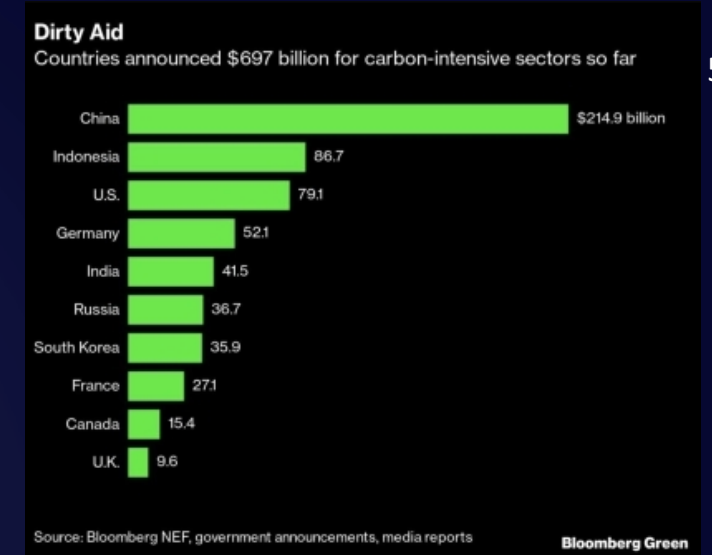
Traffic Manager

- Future alerts
- Incident response

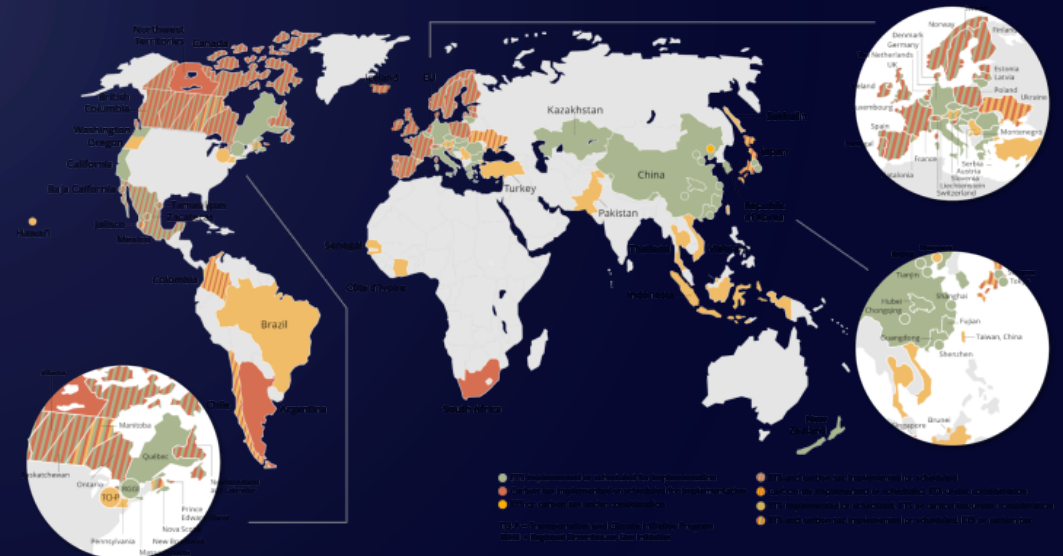


Market Potential – Carbon Emission

- Passenger cars and vans are respectively responsible for around 12% and 2.5% of total emissions of carbon dioxide¹
- EU - Green Deal - **1.8 trillion euro - 3 year plan**
- Cleaner, greener, easier urban mobility²
- US - Carbon sensing is essential for all state of the art technology projects



5



1.https://ec.europa.eu/clima/eu-action/transport-emissions/road-transport-reducing-co2-emissions-vehicles/co2-emission-performance-standards-cars-and-vans_en

2.<https://www.bloombergquint.com/technology/eu-approves-biggest-green-stimulus-in-history-with-572-billion-plan>

The US Market



- Strong GTM Partners
 - Deployed across hundreds of corridors
 - Multi-year service contracts in place



Standard driven systems

- One solution - easy replication
- Across different states & vendors



- Largest single market - USD 3.92 Billion 2021
- State of art traffic sensing systems - Faster deployment, improved cost structure

Inflation Reduction Act of 2022

constitutes a significant step for support and tax benefits in relation to technologies that reduce air pollution.

The legislation is subject to additional approvals, but its implementation may benefit the company's operations.

<https://www.businesswire.com/news/home/20220729005443/en/Inflation-Reduction-Act-of-2022-Includes-Over-5-Billion-in-Funding-to-Drive-Low-Carbon-Procurement-in-Buildings-and-Construction>



3 Successful Pilots

Bolzano



France

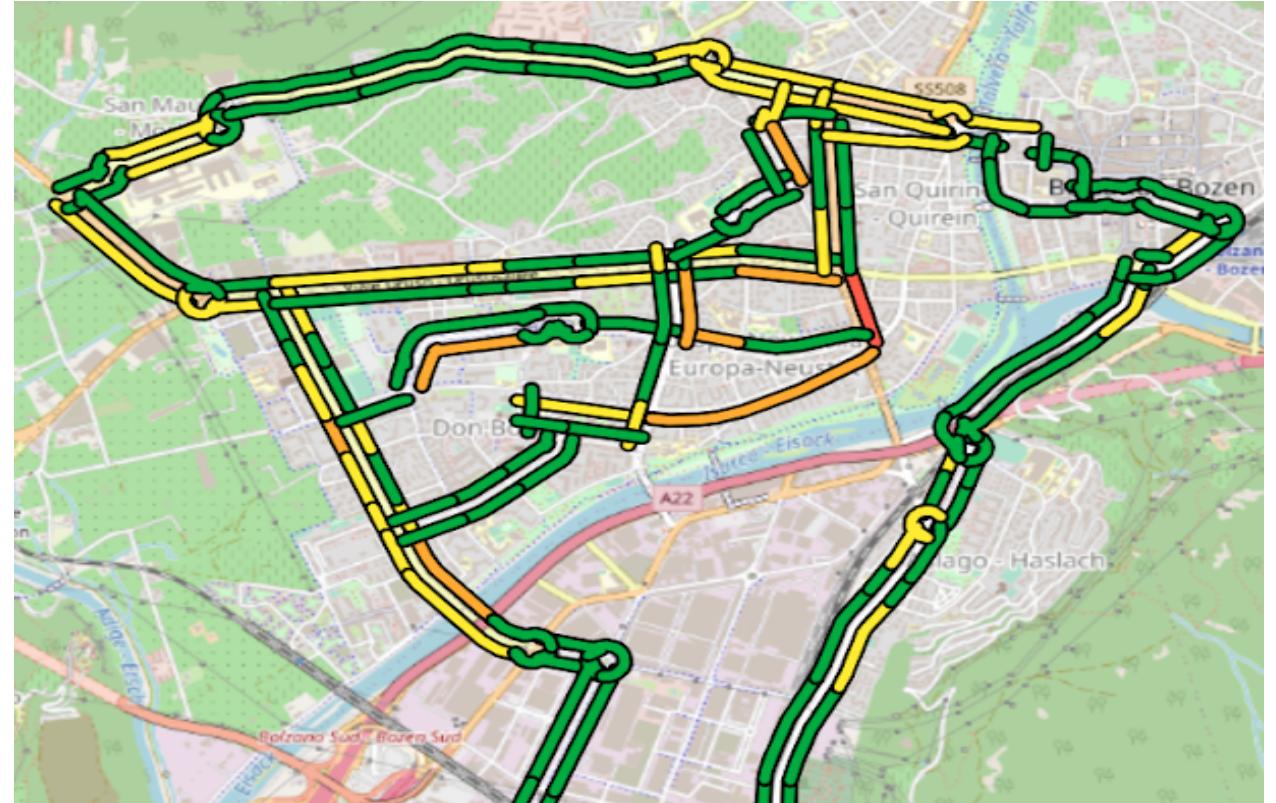


Jerusalem



Bolzano

- Congestion mapping via in-vehicle cameras
- Main focus - Public transportation
- SAAS solution - hosted by Azure
- Insight example - high passenger load at certain time period increased station dwell time



France

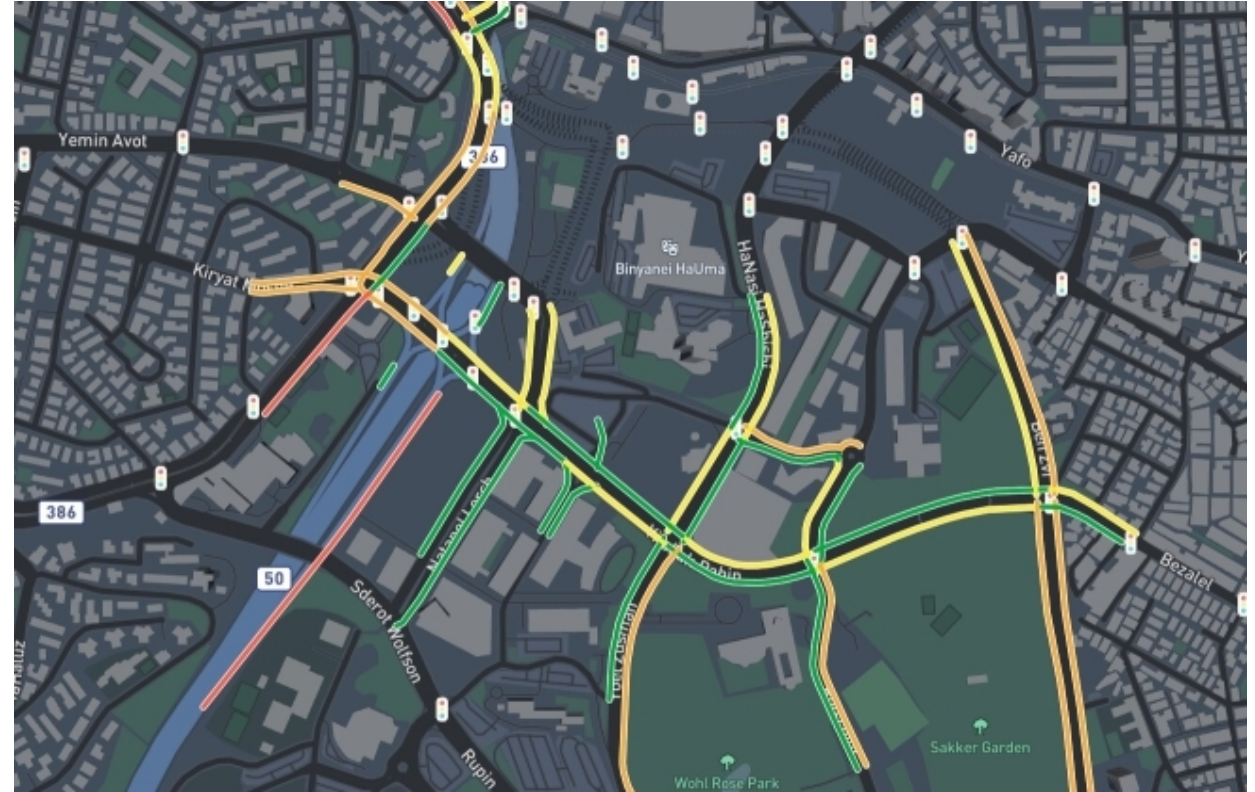
- Large international Public Transport as lead partner
- Improved customer interaction
- Cloud supplier agnostic solution
- Insight example - Zebra crossing congestion impacts public transport efficiency



Jerusalem

Full X Way feature set

- Multi lane, key corridor @ Israel's capital
- Traffic insight
- Calibrated corridor simulation
- Optimized traffic plan

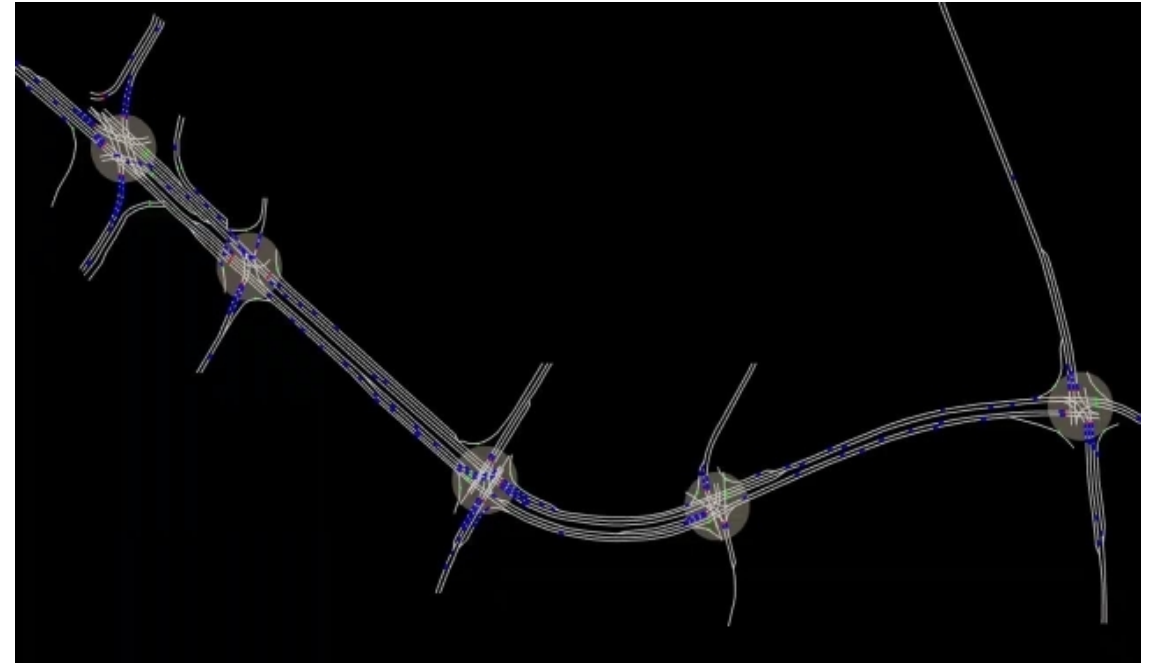
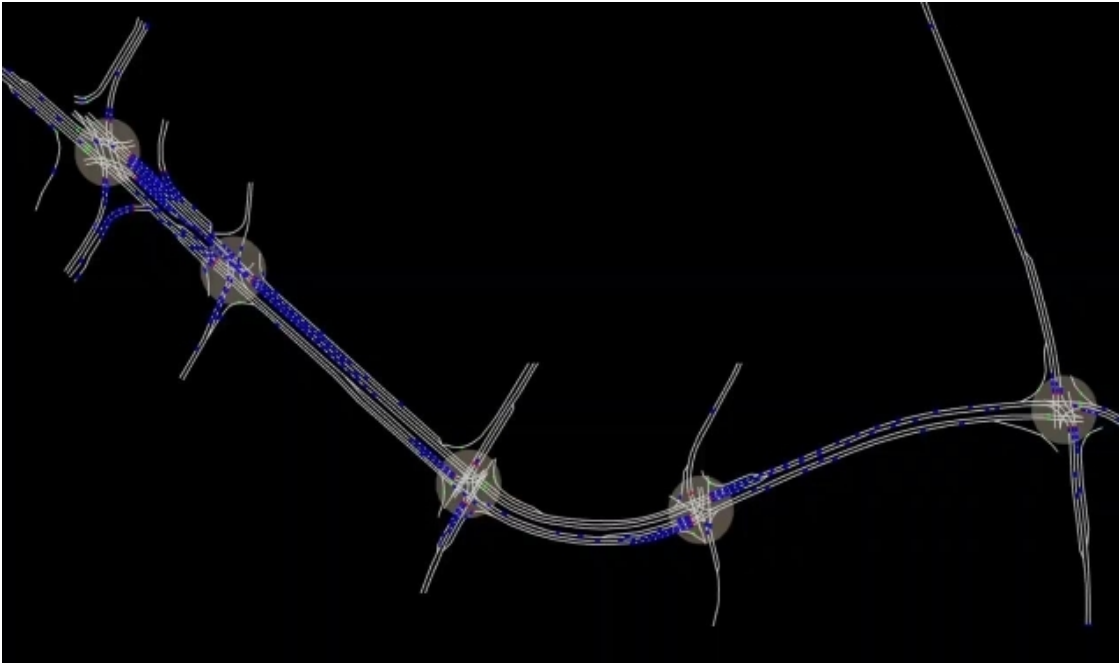


Jerusalem

Optimization via Simulation

Before

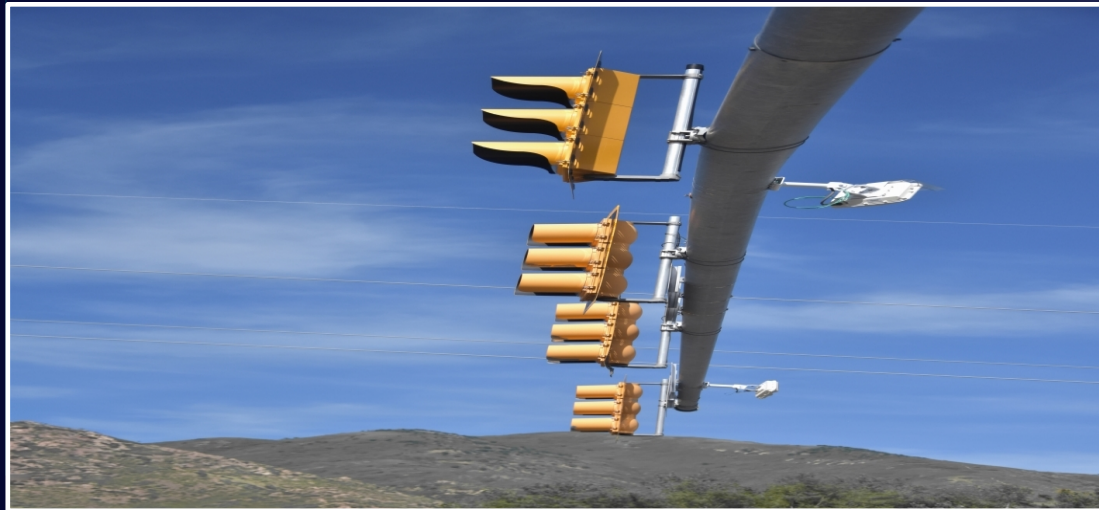
After



Noon rush hour – 15:00 – 16:00, 24 Jan, 2022, Westbound congestion

Arrivals on green – Before = 6,187, After = 10,566, 70% improvement

A look of the pilots



On Going US Pilot

Scope

Optimize congested traffic
across lead corridor

Players

- 1st tier US Traffic solution provider (GTM partner)
- 1st tier Tec Company, with multiple sites across corridor
- Mid sized California city

Corridor

- Multiple office spaces
- 600 shuttle busses daily
- Light rail (LRT) & bike lanes

Estimated schedule

- Pilot initiated
- Four way ideation complete by August
- Success indications end 2022

Thank you!

