

# מידע צופה פני עתיד / הבהרה משפטית

מצגת זו אינה מהווה הצעה לרכישת ניירות הערך של החברה או הזמנה לקבלת הצעות כאמור, והיא נועדה אך ורק למסירת מידע למשקיעים בקשר עם הצגת החברה ולשם התמצית והנוחות בלבד. האמור במצגת בכל הקשור לניתוח פעילות החברה הינו בגדר תמצית בלבד ואינו מהווה המלצה, חוות דעת וכן לא תחליף לשיקול דעת של משקיע פוטנציאלי.

במצגת כלולים נתונים, הערכות, תחזיות ותכניות של החברה ביחס לפעילותה שהינם בבחינת מידע צופה פני עתיד, כהגדרתו בחוק ניירות ערך, תשכ"ח-1968 ("חוק ניירות ערך"), אשר התממשותם אינה ודאית ואינה מצויה בשליטת החברה בלבד. מידע צופה פני עתיד מבוסס על הערכות של הנהלת החברה המתבססות, בין היתר, על המידע הידוע להנהלת החברה במועד עריכת מצגת זו.

אין כל ודאות כי הנתונים ו/או הערכות ו/או התחזיות יתממשו, כולם או חלקם, והם עלולים להיות שונים מאלו שהוצגו במצגת, וזאת בין היתר, בשל תלותם בגורמים חיצוניים שאינם בשליטת החברה, כגון שינויים בסביבה התחרותית והעסקית וכן התממשותם של אלו מגורמי הסיכון שמאפיינים את פעילותה של החברה. בנוסף עשויה המצגת לכלול נתונים המבוססים על מקורות חיצוניים אשר לא נבדקו באופן עצמאי על ידי החברה ולפיכך החברה אינה אחראית לנכונותם. כמו כן, המצגת עשויה לכלול מידע שלא הוצג בדוחות הכספיים והמיידיים של החברה ו/או הוצג באופן ועיבוד שונה מהאופן בו הוא מופיע במצגת.

יובהר כי המצגת אינה מחליפה את הדיווחים המיידיים של החברה, ובכל מקרה של סתירה בין הדיווחים שפורסמו לציבור לבין הנתונים במצגת זו, יגברו הנתונים המופיעים בדיווחים שפורסמו לציבור כאמור. התחזית וההערכות במצגת זו מתבססות על המידע המצוי בידי החברה במועד עריכת המצגת והחברה אינה מתחייבת לעדכן ו/או לשנות את התחזיות ו/או ההערכות כאמור, על מנת שישקפו אירועים ו/או התפתחויות שיחולו לאחר מועד עריכת המצגת.

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Reduce Pollution.  
Reduce Congestion.  
Increase Safety.  
....With AI **Today**



Oran Dror | CEO & Co-Founder



John D. Porcari | President, Axilion (US)



Danny Yamin | Active Vice Chair



# Bill Gates on Climate Change

“For example, if you have a technology that costs \$1 million, and using it lets you avert the release of 10,000 tons of gas, you’re paying \$100 per ton of carbon averted. In reality, \$100 per ton would still be pretty expensive. But many economists think this price reflects the true cost of greenhouse gases to society, and it also happens to be a memorable round number that makes a good benchmark for discussions”



# Axilion At A Glance



## TEAM

In Israel, US, UAE, and Europe



## IP – Mobility Digital Twin SaaS



## MICROSOFT AZURE IP CO-SELL

P200 & TOP 3 SMART CITIES

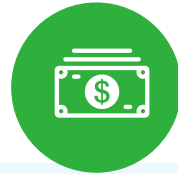


## SERIES A - \$6M – 2019

LED BY **SIXT**



## REVERSE MERGER on TASE Q4 – 2020



## PUBLIC ROUND - ~\$19M

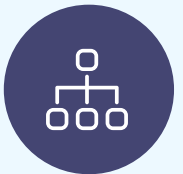
Pheonix, More Investments, Excellence,  
Alpha, Colibri and others

TLV:AILN



## 1,000 INTERSECTIONS DEPLOYED

Israel, Europe, US



## USED BY OVER 150 TRAFFIC ENGINEERS WORLDWIDE

Israel, Europe, US



# Leadership & Management



**ORAN DROR**  
CEO & Co-Founder



**ILAN WEIZMAN**  
CTO & Co-Founder



**DANI DANIEL**  
VP AI & Algorithm



**DR. ORLY AVNER**  
AI Reinforcement Learning



**OFRIT BELKIND**  
AI Product Manager



**TAMI STEPHENS**  
Head of HR



**Danny Bechar**  
VP R&D



**JOHN D. PORCARI**  
President Axilion US  
Former Deputy Secretary COO, US DOT



**Moshe Fink**  
CFO



**DR. AMIT BERMANO**  
AI Computer Vision



**KALIN NAKOV**  
R&D Manager



## Board Members



**Oran Dror**  
CEO, Co-Founder, and  
Chairman of the Board



**Ilan Weizman**  
CTO, Co-Founder, and Board  
Member



**Danny Yamin**  
Axilion Director



**Kurt Hoppe**  
Former Global Head of  
Innovation - Connected Car,  
General Motors



**Uzi Navon**  
Senior Business Executive



**Eli Carmon**  
CFO, Microsoft Israel R&D and  
Microsoft Africa R&D's Centers



**Lauri Hanover**  
Senior Vice President & CFO,  
Netafim



# IIA (Israel Innovation Authority) Supporting Axilion R&D

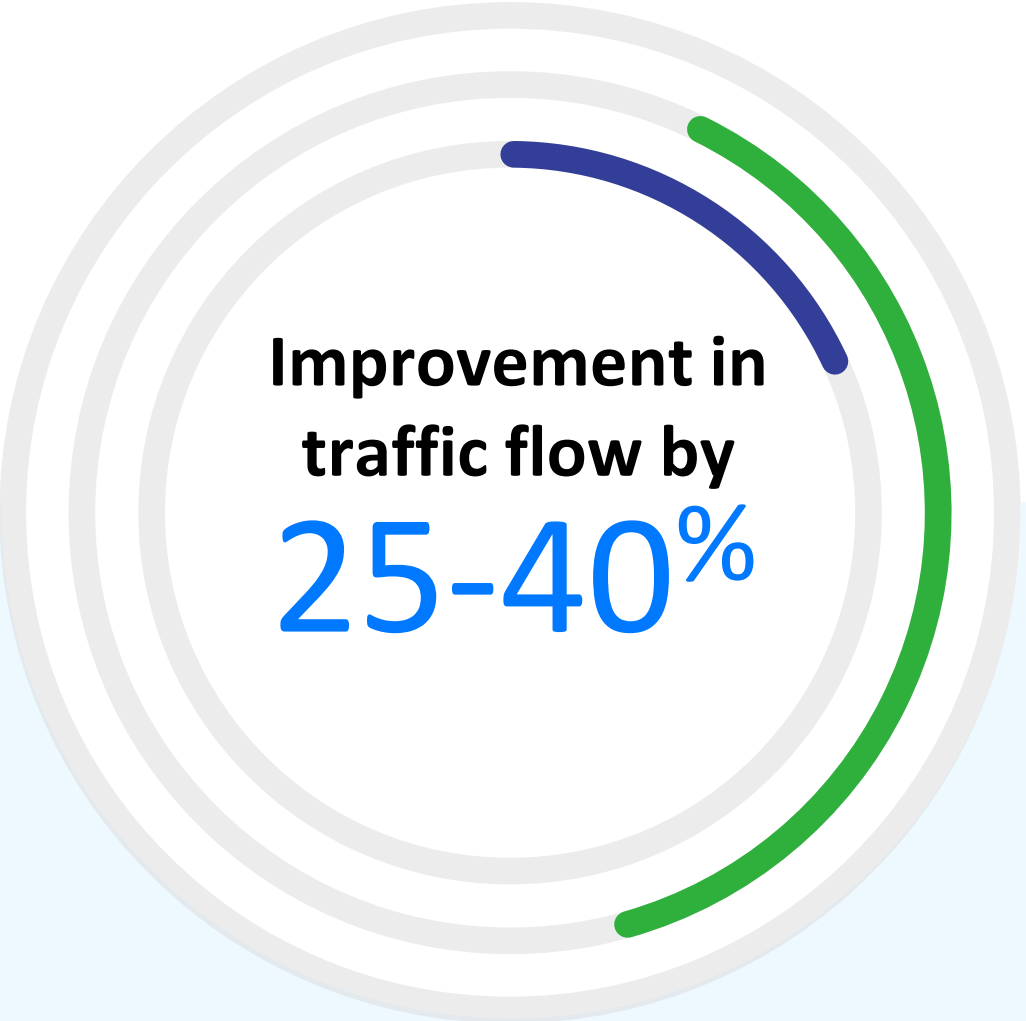


Mr. [Aharon Aharon](#), CEO on **Axilion**: "The computerization of motor vehicles and their surroundings is causing dramatic changes in the global automotive industry. Reducing congestion and incentivizing people to switch to public transportation is a challenge faced by governments worldwide. **The Israeli Innovation Authority** which supports collaborations between academia and the business sector, was pleased to support the IP collaboration between the **Technion Institute of Technology** and **Axilion**, resulting in its implementation by the city of Jerusalem, assisting in performing continuous optimization of its traffic flow via the use of an **AI-based**, data-driven insights. Such technology innovations offer the **Israeli tech sector** far-reaching opportunities to take significant steps leading towards the creation and protection of a digital transportation environment"





# The Benefits



Improvement in  
traffic flow by  
**25-40%**



SAVE TIME IN TRAFFIC



CLEANER AIR



INCREASE SAFETY



MAXIMIZE ROI



# Creating a Digital Twin of Your City in the Azure Cloud



[Watch now >](#)

# Axilion Digital Twin Cities, States & Countries




## Case Studies

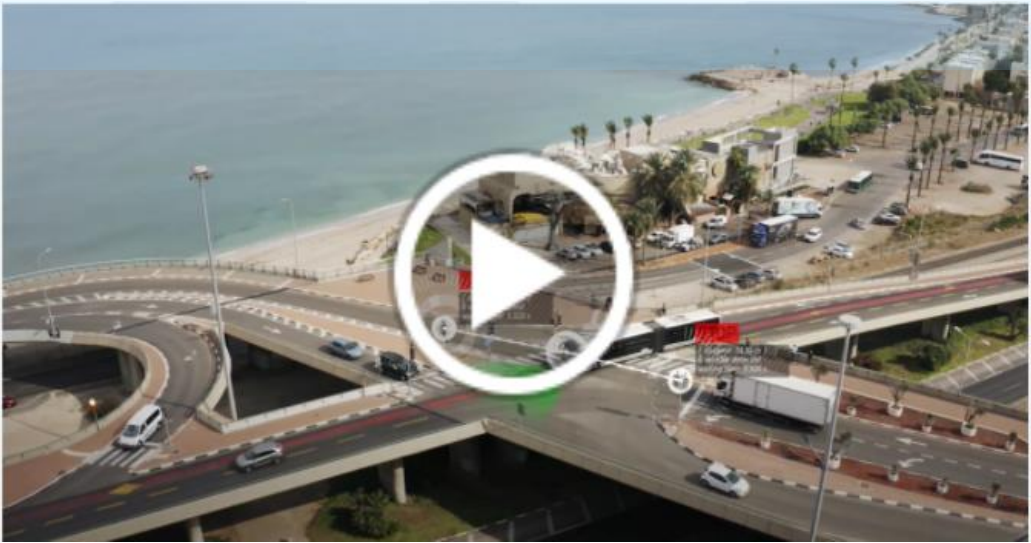
	Before	After	Benefits
Travel time	80 min	42 min	47%
# of trams required	32	21	34%
Tram frequency (headway)	15 min	5 min	66%
# of passengers	40,000	200,000	400%

## Benefits


 Fleet savings - \$600 million


 28% Less power to operate trams


 100 000 Tons of CO2 per year saved



	Before	After	Benefits
Travel time	73 min	58 min	20%
Bus speed	12.4 MPH	16.1 MPH	30%
O&M Savings/Yearly			\$7M
# of passengers	60,000	115,000	90%

 11% Left their car at home

 \$7M O&M Annual Savings

 140 000 Tons of CO2 per year saved

# Comparing Driving State Aware Technologies

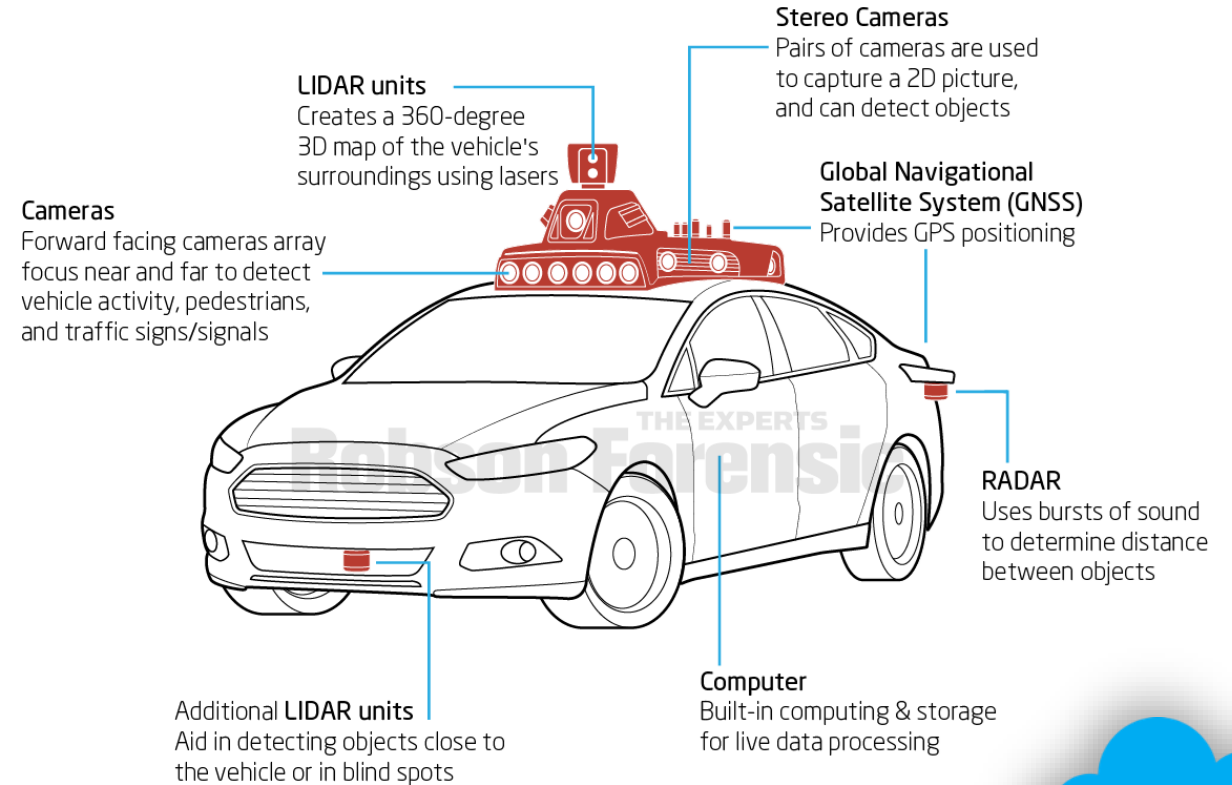
Axilion (edge, GPS, wireless LTE/5G)

Autonomous vehicles



Video analysis enables Axilion to:

1. Compensate for lack of expensive sensors
2. Always maintain ride context
3. Achieve results that top any conventional CNN

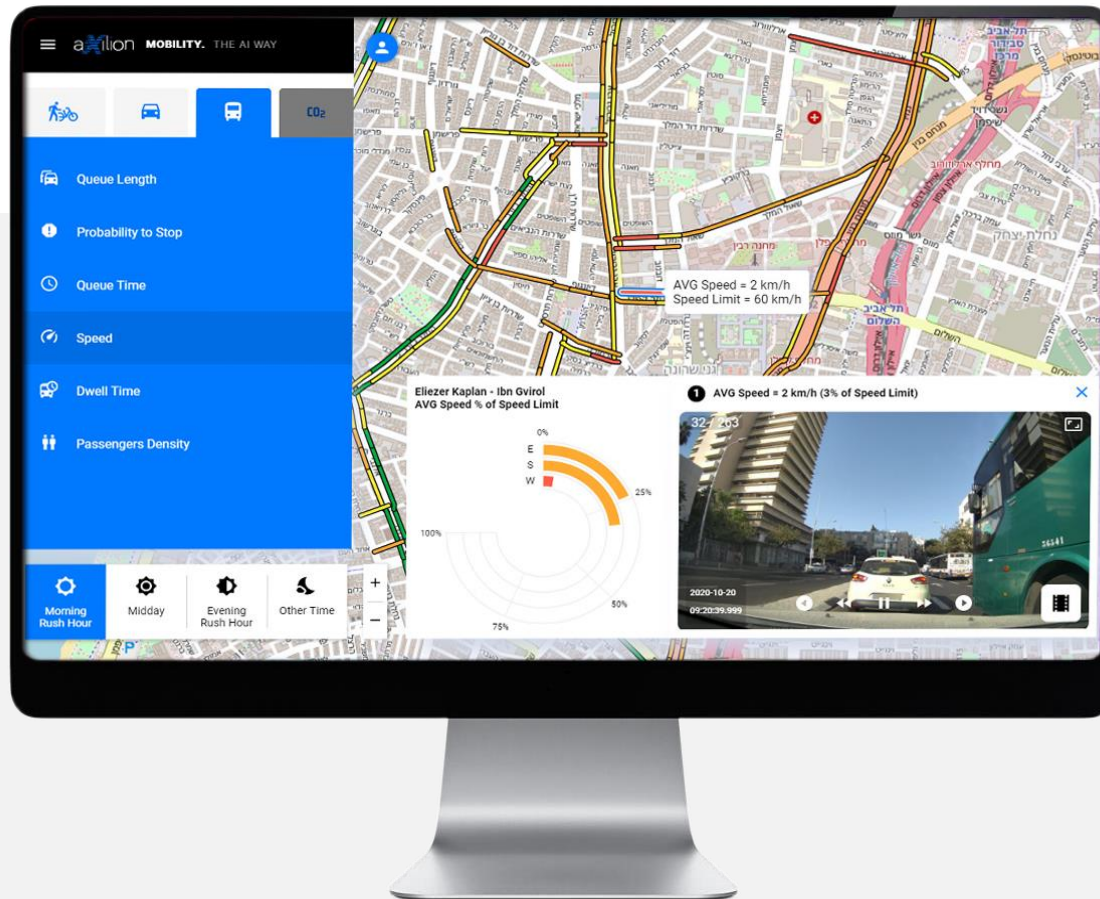


+  
On board GPU servers  
+  
3D mapping of all environments





# The X Way Suite – AI



Capture

## X WAY PULSE

Captures your entire road-network through AI Mobile Edge cameras



Model

## X WAY TWIN

Simulates your real-time traffic conditions to create a Digital Twin of your city



Optimize

## X WAY NEURAL

Optimizes your city's mobility continuously using Deep Reinforcement Learning AI technology

Microsoft  
Partner

2020 Partner of the Year Finalist  
AI and Machine Learning Award



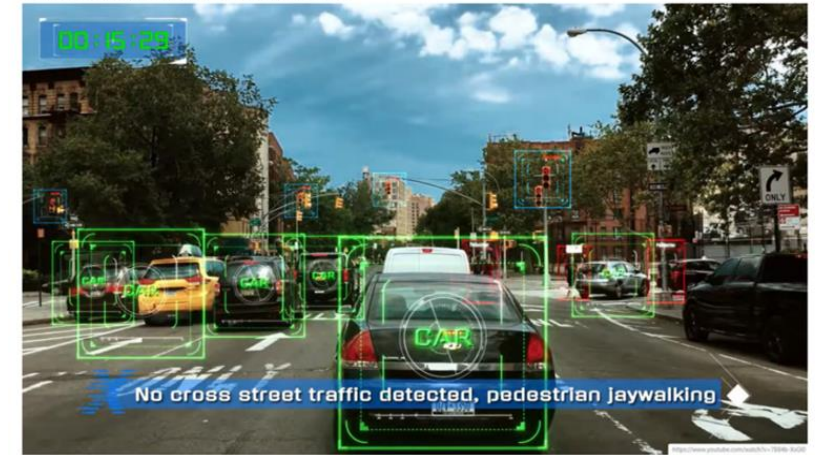


# X Way Pulse (Understand)



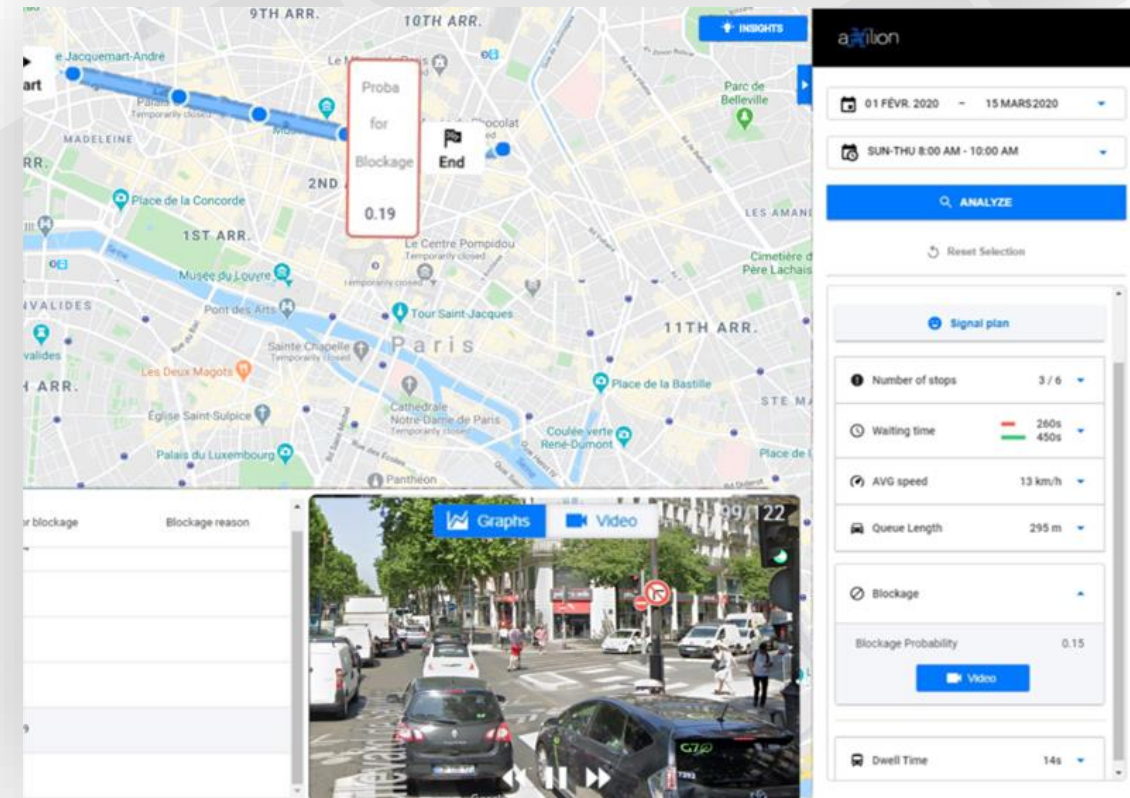
- Advanced video AI technology
- Identifies traffic patterns, safety hotspots, and traffic issues and their root causes
- Edge Compute to Azure Cloud

Here are additional examples of Traffic Insights:



# X Way Twin (Digitize)

- **Digital Twin** technology, creates a virtual replica of the city
- **Test** and **optimize** traffic signal plans before deploying
- Continuously calibrates the **Digital Twin**



Microsoft  
Partner

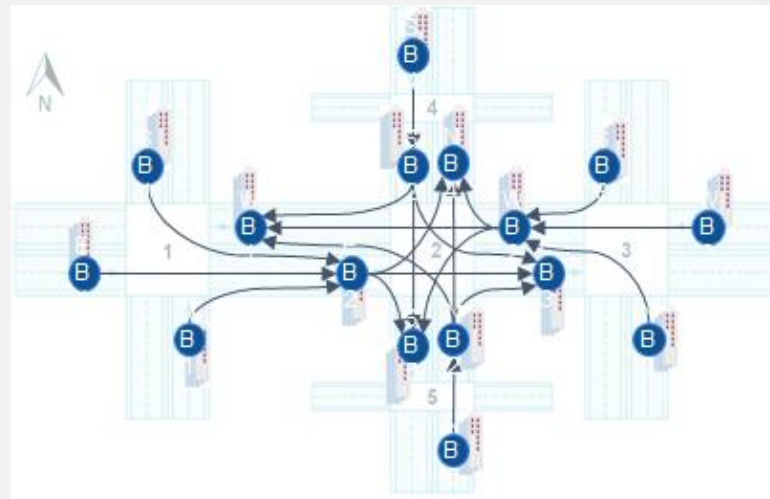
2020 Partner of the Year Finalist  
AI and Machine Learning Award

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# X Way Neural (Solve)



- Utilizes **Deep Reinforcement Learning AI technology**
- Continuously studies city-wide mobility
- Deploys **optimized signal traffic plans** to better serve all road users and streamline traffic



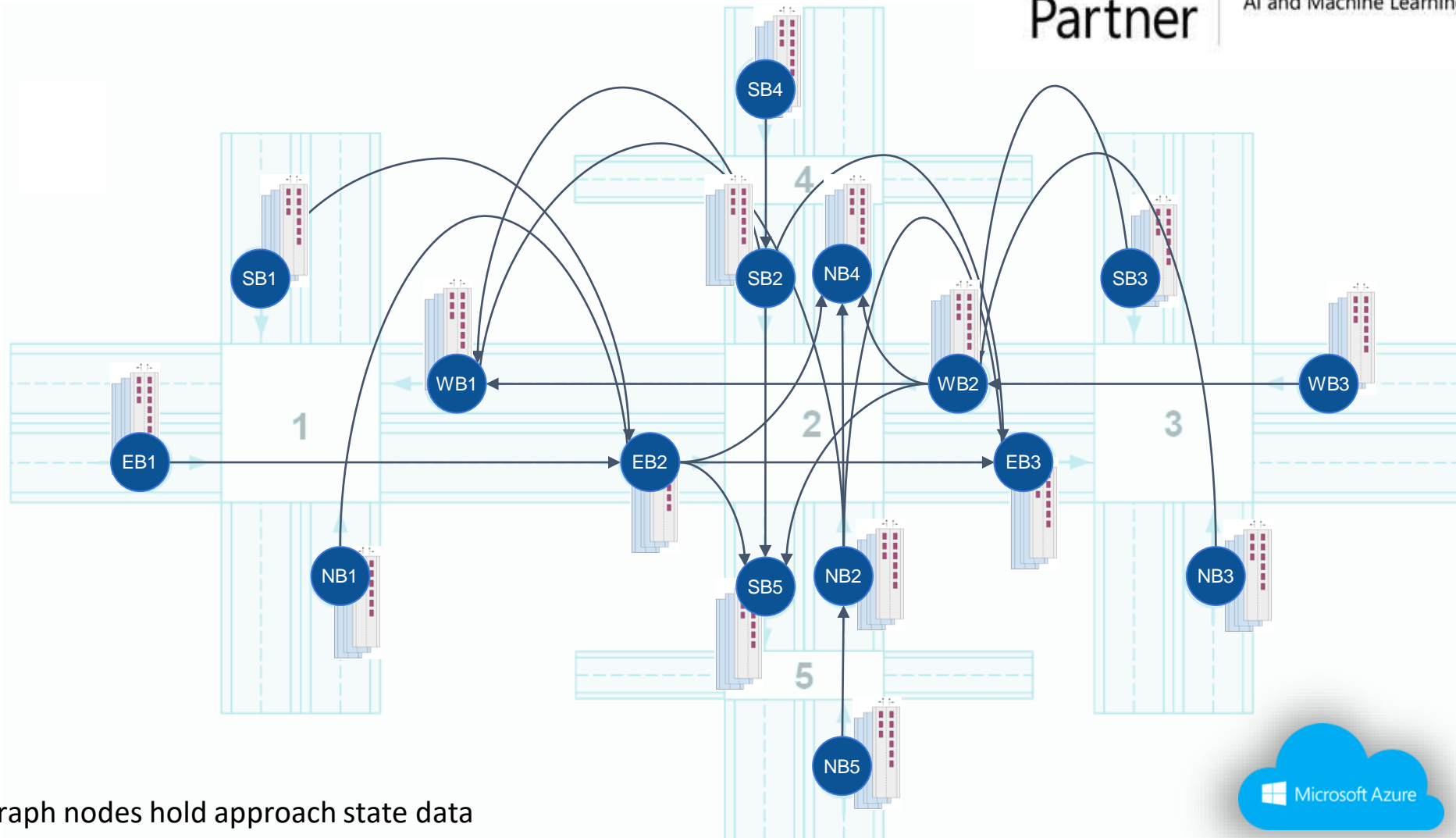


# Digitizing cities for AGI interaction



Microsoft  
Partner

2020 Partner of the Year Finalist  
AI and Machine Learning Award

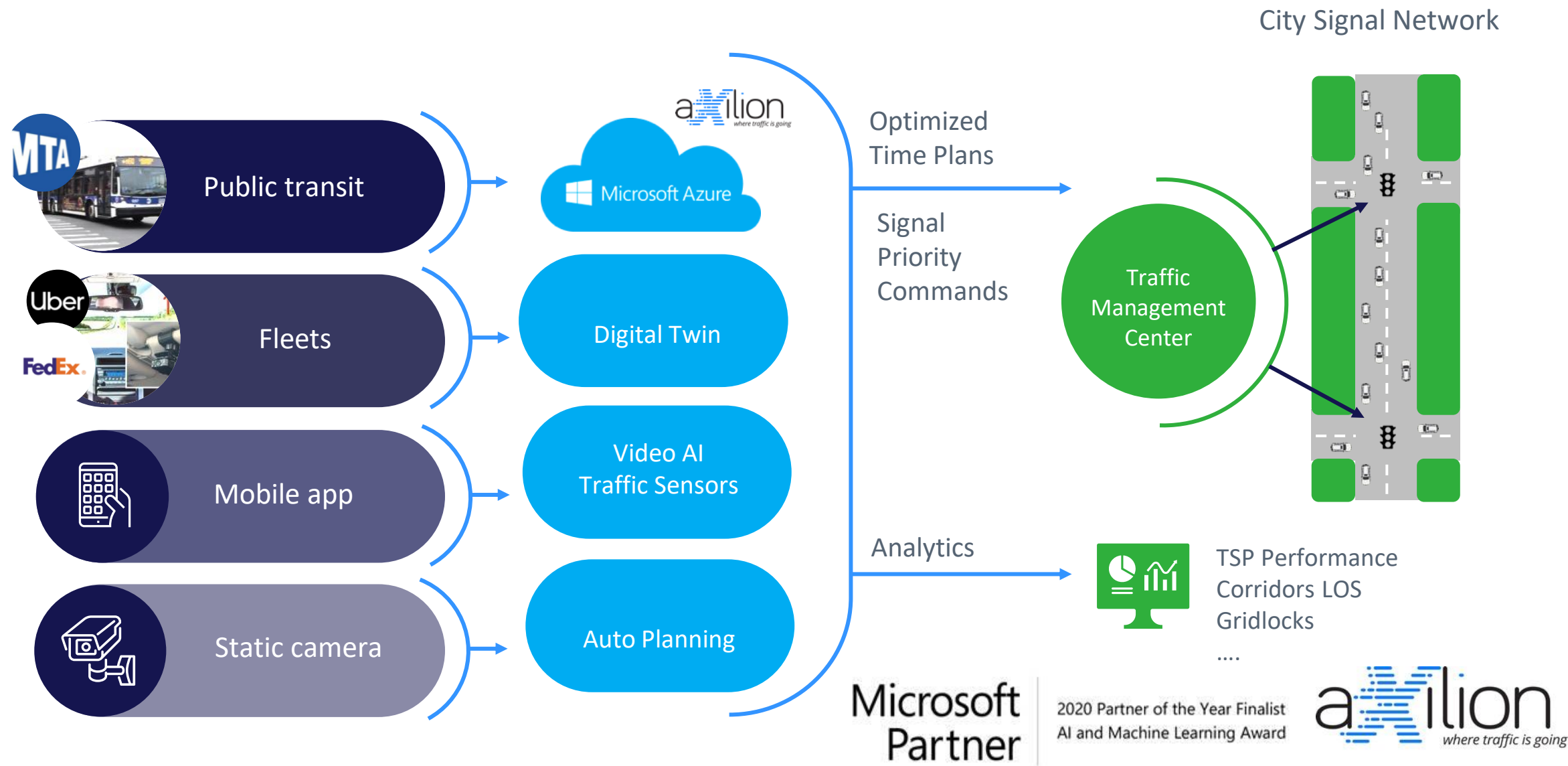


Graph nodes hold approach state data

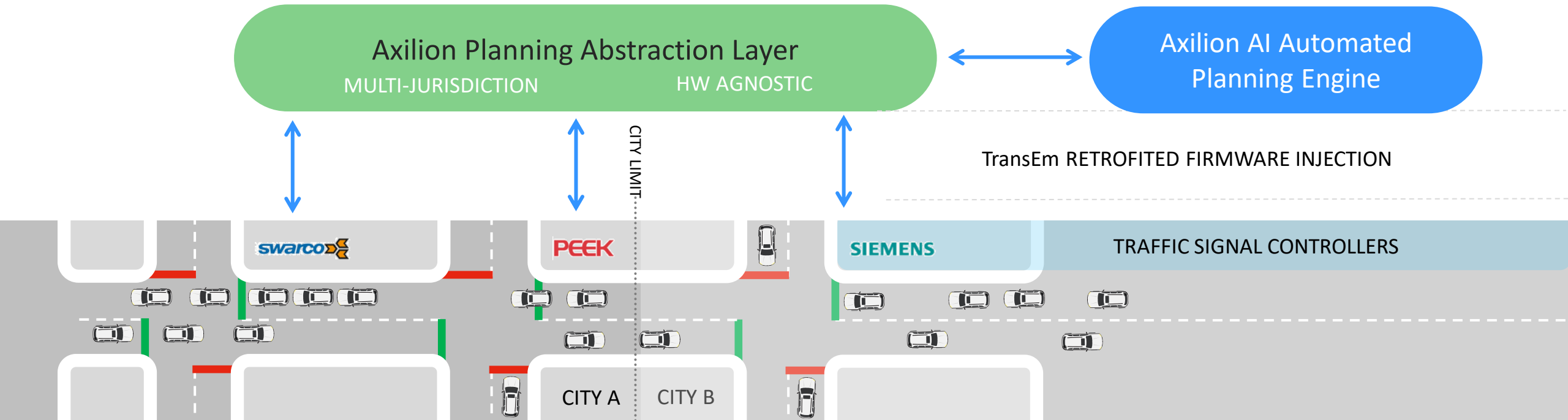




# Axilion AI & SaaS – Edge Compute

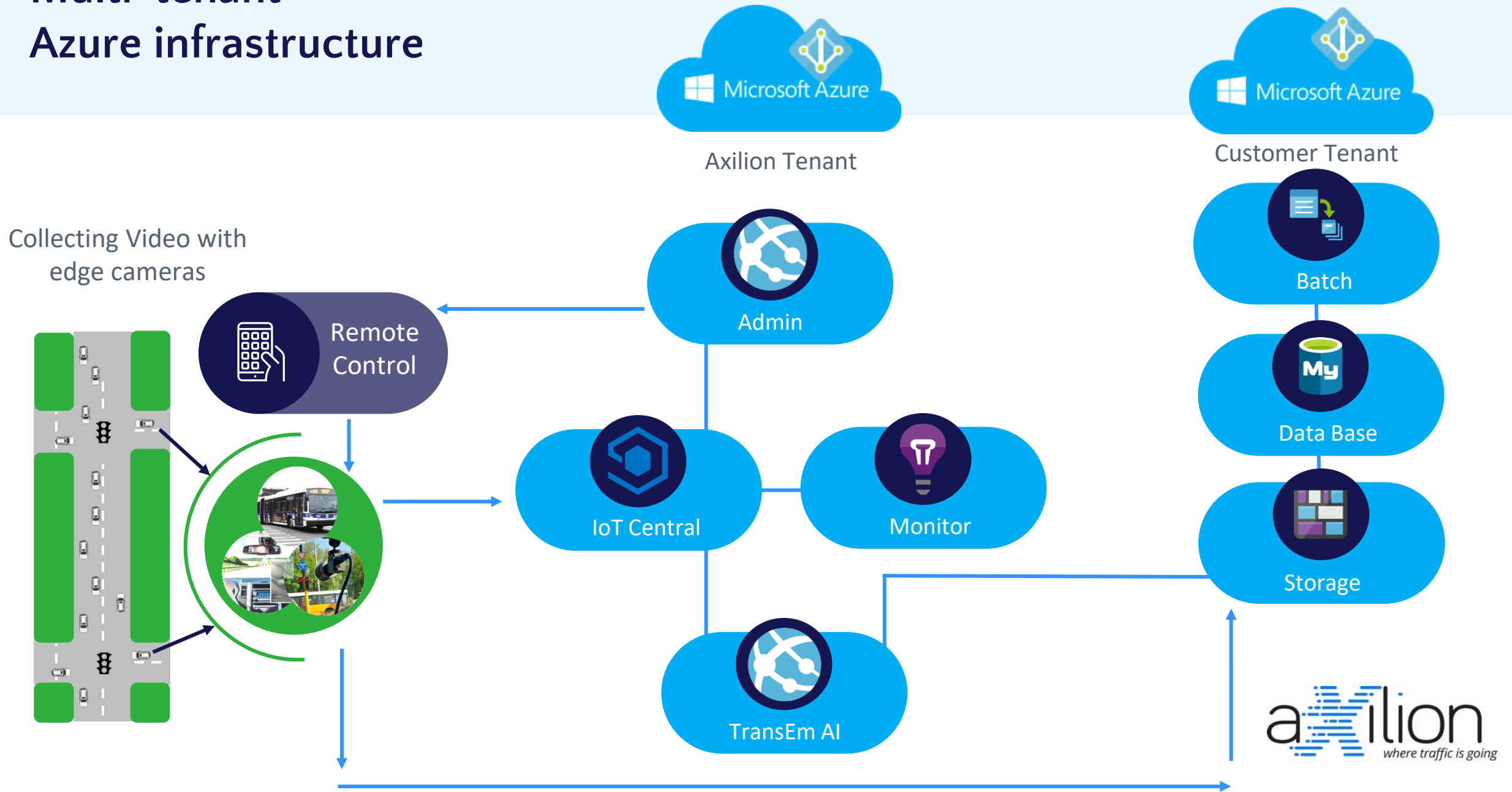


# Axilion's City-Wide Abstraction Layer & Simulation






DYNAMIC GREEN WAVE IN A CORRIDOR,  
GRID AND CITY-WIDE





# Multi-tenant Azure infrastructure



# Axilion technology Available on Azure Marketplace

 | Azure Marketplace Apps 

Search Marketplace 

More    

Products &gt; X Way



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## X Way [Save to my list](#)

Axilion Ltd

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Axilion. Mobility the AI Way.

Axilion Smart Mobility harnesses the power of AI to transform how cities manage their mobility challenges. Our X Way suite of AI Cloud Services reduces pollution, reduces congestion, and creates safer streets without the need for costly infrastructure.

X Way captures a city's road-traffic network using unique AI Mobile Azure Edge cameras. Data is streamed through the Edge to the Azure Cloud to create a Digital Twin of the city. This combination of the Digital Twin, coupled with extraordinary AI, allows mobility to be monitored, analyzed, and optimized.

X WAY has already helped cities to bring their visions to life; our success stories include:

- 140,000 tons of yearly CO2 reduced.
- Public Transport ridership up 400%, and frequency increased by 66%.
- Pedestrian safety increased with reduced casualties at signalized intersections.

Discover more about our X Way suite of AI-based Cloud Services:

X Way Pulse: AI mobile Edge cameras capture an entire road-traffic network from a road user's perspective to identify traffic problems and their root-causes.

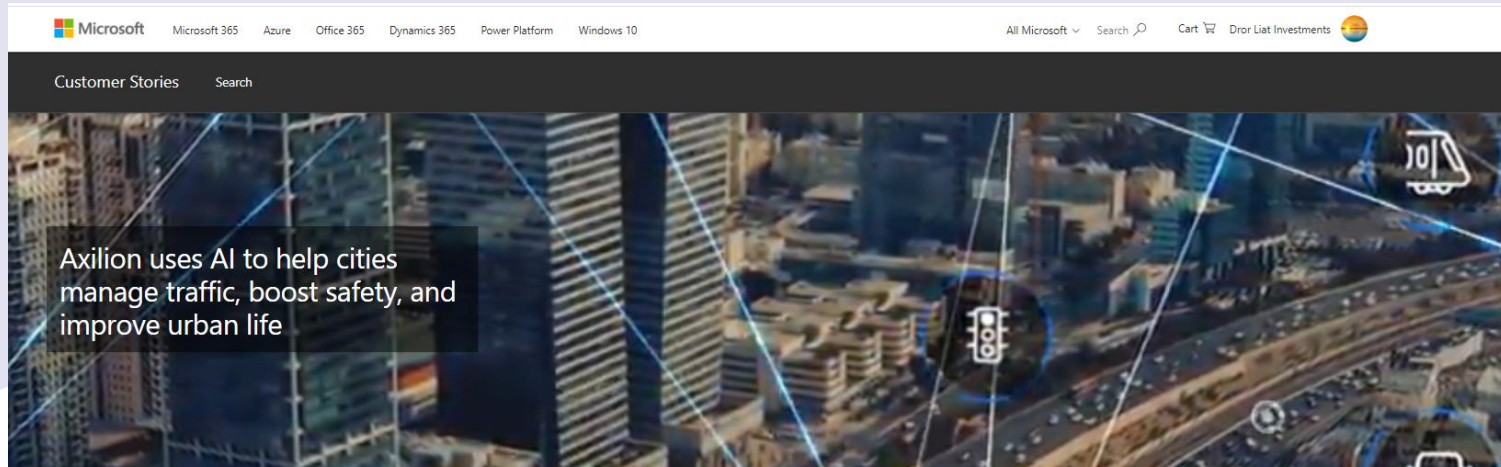
X Way Twin: Unique AI technology models real-world conditions to create a Digital Twin of the city. The Digital Twin enables new signal plans to be tested and optimized before being deployed and facilitates "what if" road-network scenario analysis.


X Way Neural: Deep Reinforcement Learning AI technology continuously studies city-wide





# Axilion's SaaS technology from Microsoft's web-site





where traffic is going

July 30, 2020

Print

Axilion helps cities across the world solve their traffic management challenges with its Smart Mobility platform. The company uses Microsoft Azure platform as a service (PaaS) resources—including Azure IoT Hub, Azure Batch, and Azure IoT Edge—to help cities generate real-time traffic insights and create strategic traffic plans using AI. With its new platform, Axilion helped Jerusalem reduce the travel time for its light-rail service by 47 percent, and it helped Haifa prioritize pedestrian mobility, making it safer for people to move about the city.

Learn More

- [Microsoft Azure IoT](#)
- [Azure Batch](#)
- [Azure for government](#)
- [Microsoft industry solutions](#)

Customer  
Axilion

Products and Services  
Azure  
Azure Batch (AI)  
Azure IoT Edge  
Azure IoT Hub  
Azure Stack  
Internet of Things (IoT)

Industry  
Smart Spaces

Organization Size  
Small (1 - 49 employees)

Country  
Israel


Downloads  
Axilion Summary Slide.pptx

“Using Axilion’s platform on Azure, we’ve accomplished our goals of reducing carbon emissions in the city center by motivating residents to choose public transportation—all while increasing pedestrian safety and overall mobility systems effectiveness.”

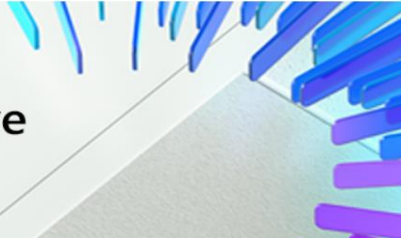
—Moshe Leon: Mayor  
City of Jerusalem

## Microsoft Partner

2020 Partner of the Year Finalist  
AI and Machine Learning Award



Partner Network




## Together, we achieve more

### Congratulations Axilion Ltd!

We are proud to announce that Axilion Ltd has been named a finalist (runner-up) for the Microsoft 2020 AI and Machine Learning Partner of the Year Award for your nomination 20-002516.

This year's entries demonstrated the outstanding commitment and dedication of our partners to providing innovative and unique services or solutions to customers. I want to personally thank you for the time you invested to complete your award submission, especially as we all strive to adapt to these unprecedented times.

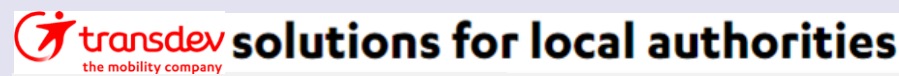
Of the more than 3,300 entries for Partner of the Year Awards, your exceptional work clearly stood out to the judges. We hope you will take a minute to congratulate your entire team on this achievement and promote this success to your customers.



where traffic is going

<https://customers.microsoft.com/en-us/story/820930-axilion-smart-spaces-azure>

# Axilion technology based on Microsoft Azure collaboration with Transdev Transportation (General Information About Transdev)



## Cities and regions

Support the development of smart cities or participate in the connecting of regions:

**we build mobility alongside local authorities, regardless of size.**

## Smart mobilities

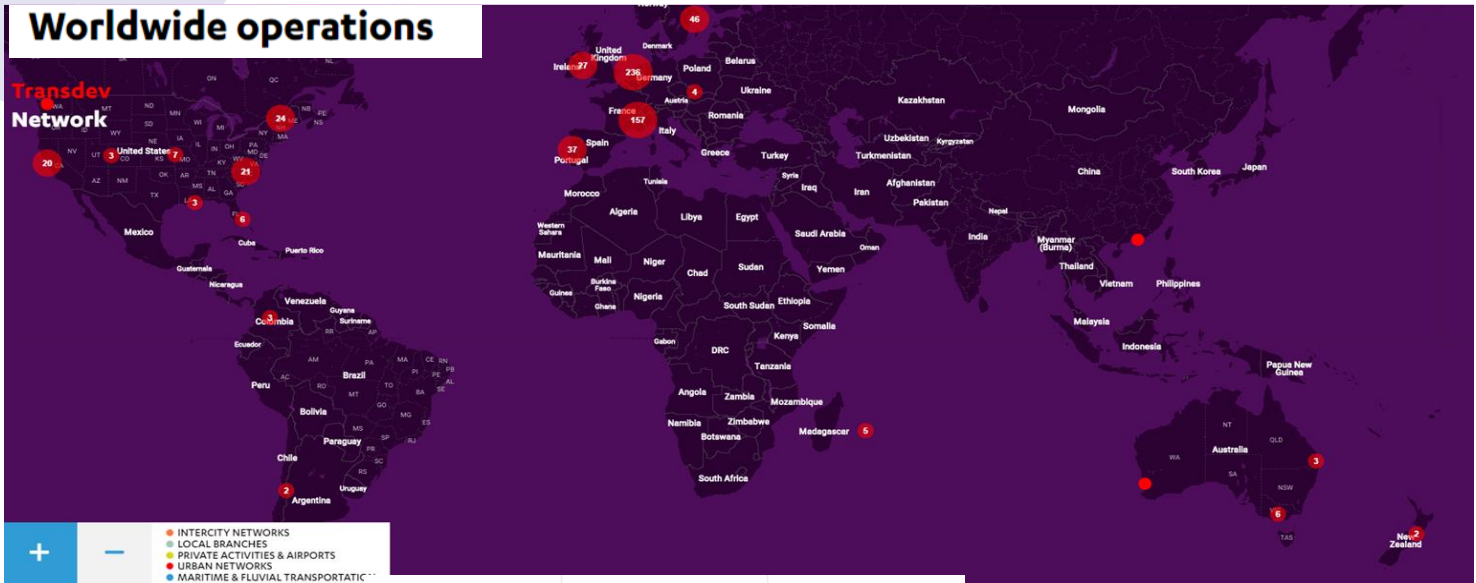
As a pioneer in the Mobility as a Service (MaaS), a precursor in connected, inter-modal and unified mobility, we develop and test solutions to give passengers more freedom and flexibility.

## Environmental solutions

Electric or hybrid vehicles, multi-modal travel solutions, innovative digital applications: committed to the energy transition, we focus our energy on developing environmentally friendly solutions.

## Monitoring and management

We support local authorities in all phases of their transportation projects, from upstream to downstream.



**85,000**  
employees worldwide

**17** COUNTRIES

**5** CONTINENTS

**Operate in 17 countries, on all continents, and operate 17 modes of transportation serving communities, businesses and the general public.** Transdev mobilise all the resources available to an international Group to develop the regions where we operate.

**Provide 11 million passenger trips everyday** thanks to efficient, easy to use and **environmentally-friendly transportation services that connect people and communities.** approach is rooted in long-term partnerships with public authorities, and in the relentless pursuit of the safest and most innovative mobility solutions.





# Axilion technology based on Microsoft Azure collaboration with Econolite in the USA (General Information About Econolite)

**160,000+**  
Sensors

**330+ / 57,000+**  
Systems Deployed &  
Managed Intersections

**100,000+**  
Traffic Controllers

**15,000+**  
ITS Devices Maintained

**Worldwide operations**



**Centrac's**  
MOBILITY  
has provided ITS  
solutions for **330+**  
customers across North  
America, controlling  
**57,000+** signalized  
intersections.



**ECONOLITE**



**ECONOLITE IS THE LEADER IN ONE-STOP-SHOP  
TRAFFIC MANAGEMENT SOLUTIONS.**

From policy, system-planning, and design to system and sensor products, integration, implementation, operation, maintenance and support, as well as consulting services for connected and automated vehicles (CAVs).



**axilion**  
where traffic is going

# Technology: AI & Digital Twin



***“Axilion’s Digital Twin technology is the future of integrated mobility management. Its simulation of real-world traffic conditions has an unlimited potential to unlock long-standing traffic gridlocks at major cities across the world.” –***

Mr. John D, Porcari, President, Axilion Smart Mobility Inc.





# Achievements



**obility Award**

Awarded to the most innovative and successful projects being implemented and developed in the field of mobility.

**How Jerusalem increased ridership by 400% & cut travel time by 47% across its public transit**

Axilion Smart Mobility, Microsoft Azure and Jerusalem City Light Rail - ISRAEL


[Read more](#) 



BATTLE for the SOUL of the NATION

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VOLUNTEER

SHOP


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ES

THE BIDEN PLAN TO BUILD A MODERN, SUSTAINABLE INFRASTRUCTURE AND AN EQUITABLE CLEAN ENERGY FUTURE

At this moment of profound crisis, we have the opportunity to build a more resilient, sustainable economy – one that will put the United States on an irreversible path to achieve net-zero emissions, economy-wide, by no later than 2050. Joe Biden will seize that opportunity and, in the process, create millions of good-paying jobs that provide workers with the choice to join a union and bargain collectively with their

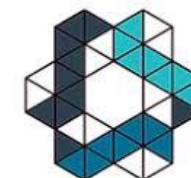
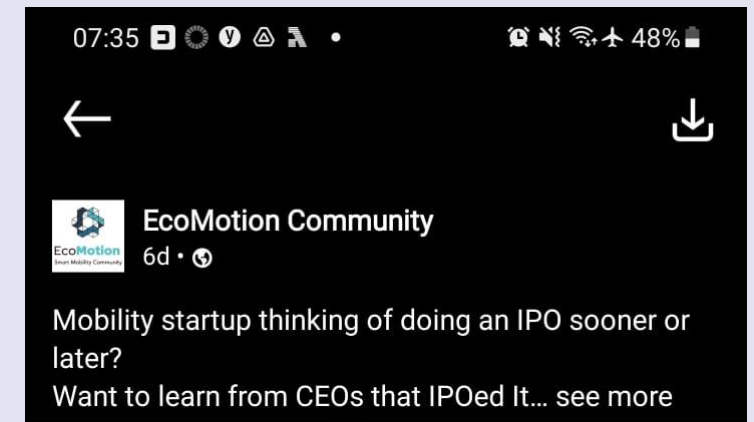
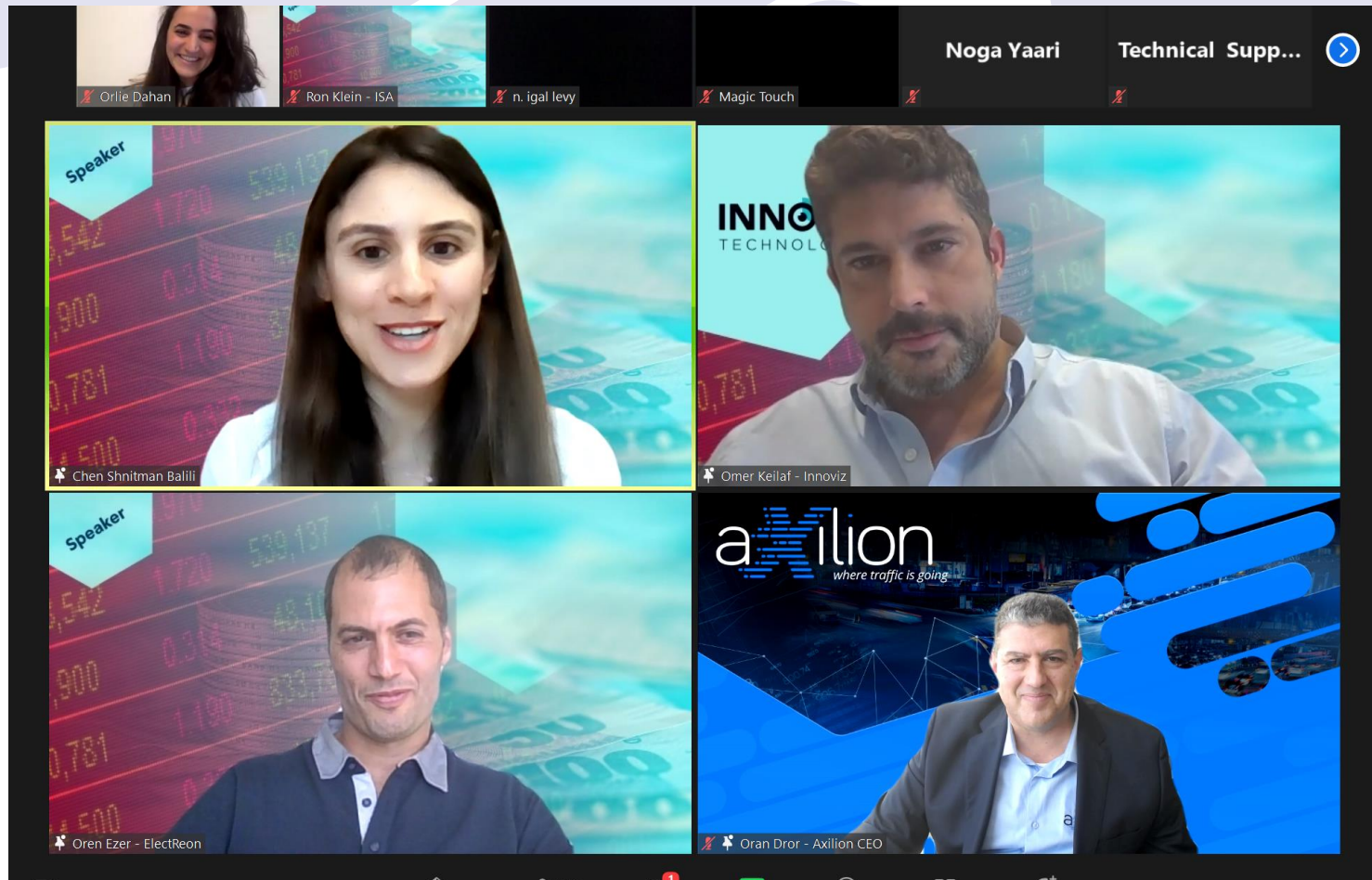
“He’ll also help them invest in infrastructure for pedestrians, cyclists, and riders of e-scooters and other micro-mobility vehicles and integrate technologies like machine-learning optimized traffic lights.”





# Axilion's CEO & Chair, Oran Dror

## Israeli Autotech Panel on IPO – Feb 1<sup>st</sup> 2021



**EcoMotion**  
Smart Mobility Community

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where traffic is going





Thank you- TLV: [AILN](https://axilion.com/)  
<https://axilion.com/>

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Oran Dror - CEO & Chair | [oran@axilion.com](mailto:oran@axilion.com)

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# מידע צופה פני עתיד / הבהרה משפטית

מצגת זו אינה מהווה הצעה לרכישת ניירות הערך של החברה או הזמנה לקבלת הצעות כאמור, והיא נועדה אך ורק למסירת מידע למשקיעים בקשר עם הצגת החברה ולשם התמצית והנוחות בלבד. האמור במצגת בכל הקשור לניתוח פעילות החברה הינו בגדר תמצית בלבד ואינו מהווה המלצה, חוות דעת וכן לא תחליף לשיקול דעת של משקיע פוטנציאלי.

במצגת כלולים נתונים, הערכות, תחזיות ותכניות של החברה ביחס לפעילותה שהינם בבחינת מידע צופה פני עתיד, כהגדרתו בחוק ניירות ערך, תשכ"ח-1968 ("חוק ניירות ערך"), אשר התממשותם אינה ודאית ואינה מצויה בשליטת החברה בלבד. מידע צופה פני עתיד מבוסס על הערכות של הנהלת החברה המתבססות, בין היתר, על המידע הידוע להנהלת החברה במועד עריכת מצגת זו.

אין כל ודאות כי הנתונים ו/או הערכות ו/או התחזיות יתממשו, כולם או חלקם, והם עלולים להיות שונים מאלו שהוצגו במצגת, וזאת בין היתר, בשל תלותם בגורמים חיצוניים שאינם בשליטת החברה, כגון שינויים בסביבה התחרותית והעסקית וכן התממשותם של אלו מגורמי הסיכון שמאפיינים את פעילותה של החברה. בנוסף עשויה המצגת לכלול נתונים המבוססים על מקורות חיצוניים אשר לא נבדקו באופן עצמאי על ידי החברה ולפיכך החברה אינה אחראית לנכונותם. כמו כן, המצגת עשויה לכלול מידע שלא הוצג בדוחות הכספיים והמיידיים של החברה ו/או הוצג באופן ועיבוד שונה מהאופן בו הוא מופיע במצגת.

יובהר כי המצגת אינה מחליפה את הדיווחים המיידיים של החברה, ובכל מקרה של סתירה בין הדיווחים שפורסמו לציבור לבין הנתונים במצגת זו, יגברו הנתונים המופיעים בדיווחים שפורסמו לציבור כאמור. התחזית וההערכות במצגת זו מתבססות על המידע המצוי בידי החברה במועד עריכת המצגת והחברה אינה מתחייבת לעדכן ו/או לשנות את התחזיות ו/או ההערכות כאמור, על מנת שישקפו אירועים ו/או התפתחויות שיחולו לאחר מועד עריכת המצגת.