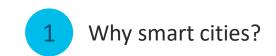


Cisco Kinetic for Cities

Manage your city in the palm of your hand

Dimitris Drakopoulos ddrakopo@cisco.com

Agenda







How it works



Partner ecosystem

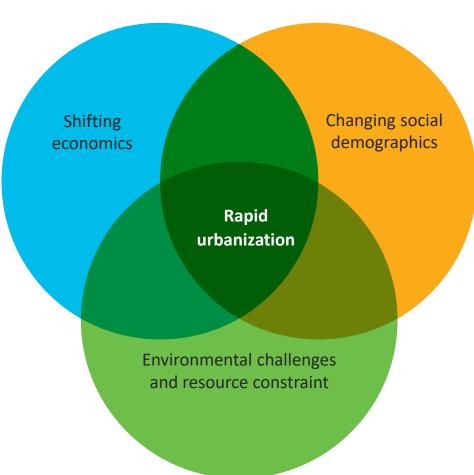


Global deployments

Why smart cities?



Global trends changing the urban landscape



By harnessing the power of data...



Challenges in smart cities



Vertically integrated sensors

No standardization across sensors

Lack of crossdomain data and information sharing

Fragmented application ecosystem

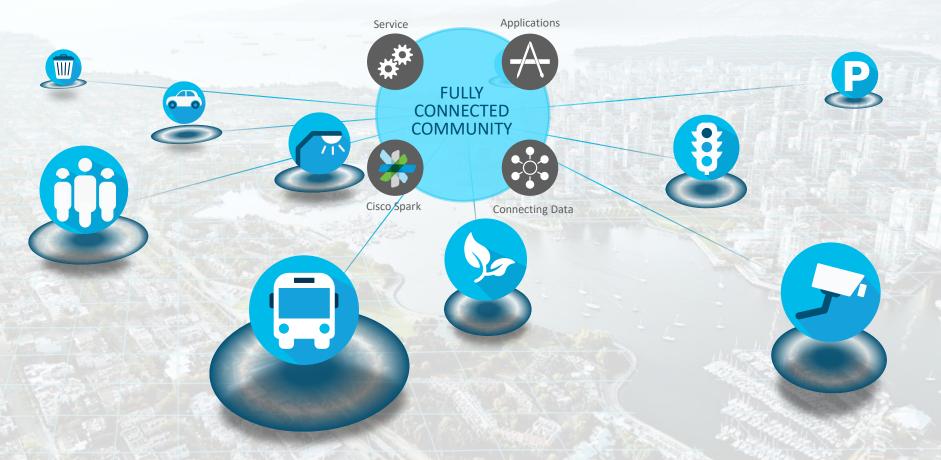


The Cisco approach

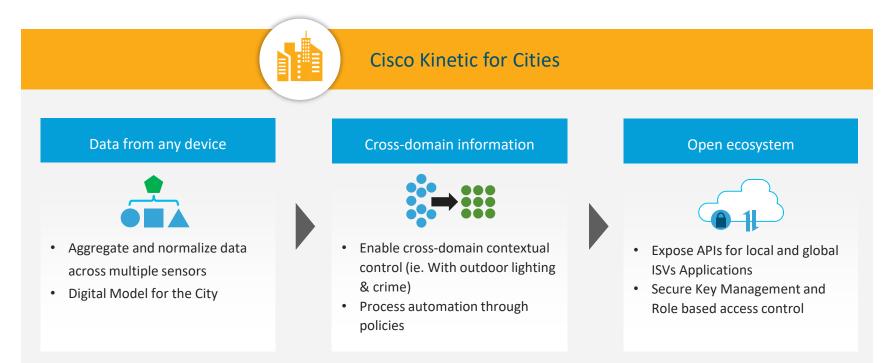
By harnessing the power of data...



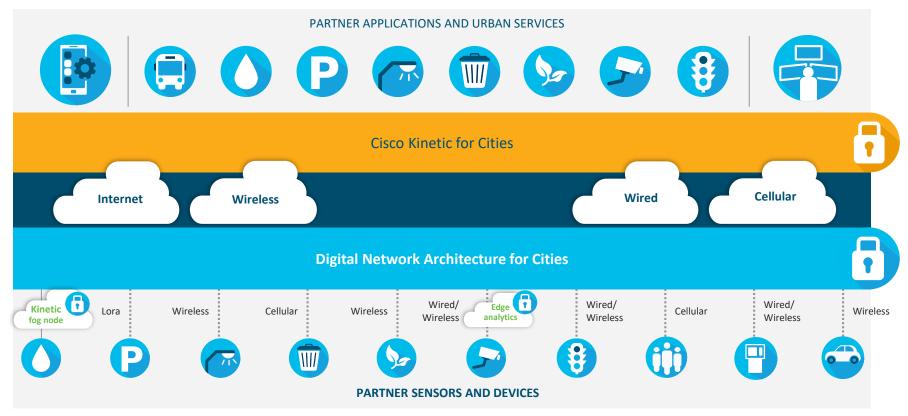
Cities can create a...



A platform approach addresses these challenges and drives value for cities, citizens and business



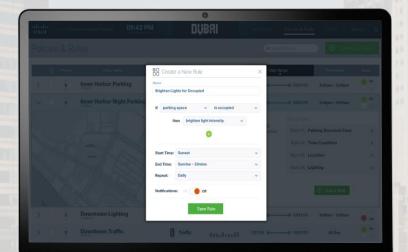
Cisco solution architecture for smart cities



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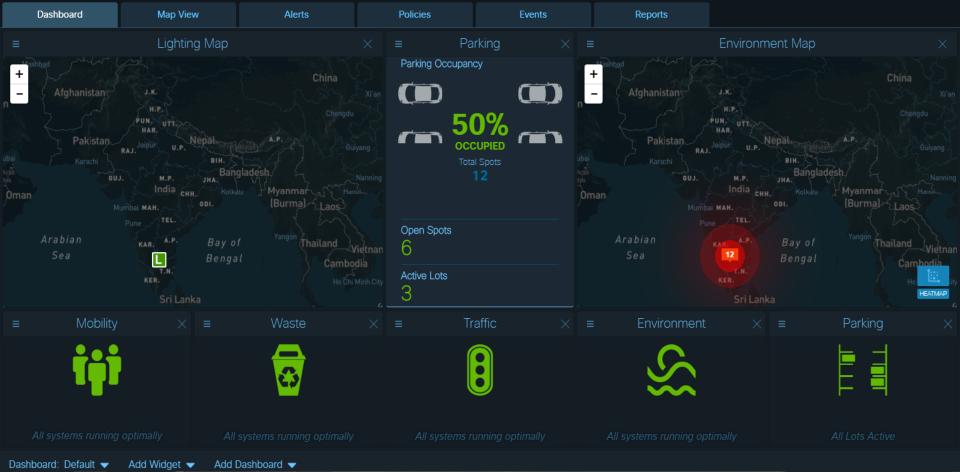


Cisco Kinetic for Cities Dashboard



Reference Dashboard for Operators





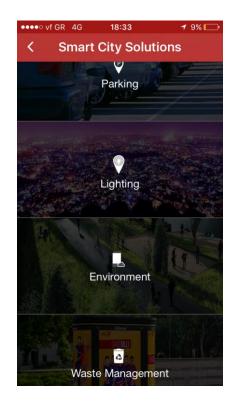
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Various Domains

CISCO Vijayawada	▼	Dashboard Map View	v Policies Events	Reports 🧕 🏚
Environment	× Water distribution	× Building plan approvals	imes Mobility $ imes$	K Traffic X
Ś			İţİ	
Health: 73% - Fair All systems running optimally	Supplied - 89% Meeting recommendations	Health: 57% - Poor Total revenue	Health Unavailable <i>Gathering Data</i>	Health: 75% - Average All systems running optimally
Parking	× Lighting	× Solid Waste Management	× Tax ×	
	C The second sec		₹	
	Health: 95% - Excellent 191 of 199 lights active	Health: 65% - Fair Fair fleet usage rate		



Mobile app

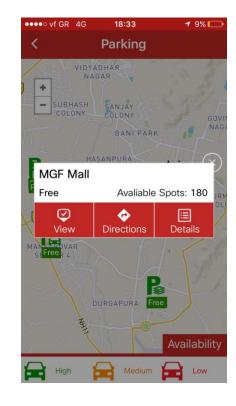




Intro Page Smart City



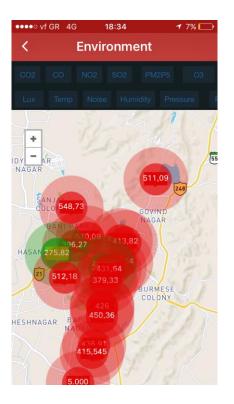


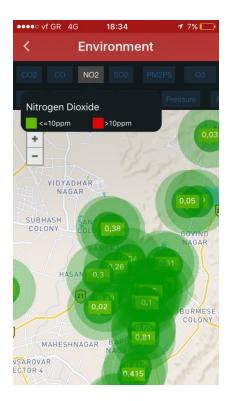


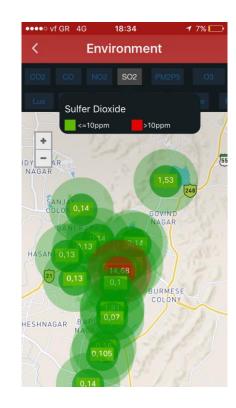
Smart Parking



Smart Lighting

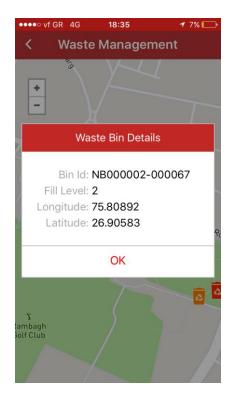






Smart Environment





Smart Waste



Partner ecosystem

Cisco Kinetic for Cities partner ecosystem





Customer deployments

Cisco Kinetic for Cities Market Leadership



Trikala Implementing the Smart Open Mall

Business Objectives

- Stimulate local economy by attracting people to City Center businesses
- Lower connectivity costs for citizens and visitors
- Improve government efficiency; provide a foundation for smart city solution; City Digitization

Solutions

- Cisco Digital Network Architecture for Cities, Cisco Kinetic for Cities, Smart Parking, Smart Lighting, Environmental Monitoring
- Partners: Space Hellas, Kafkas S.A., Sieben, Viva, Parkguru

Business Outcomes

- Smart parking operations with a citizen mobile app
- city center-wide free Wi-Fi
- energy savings of 80% in lighting thanks to advanced dimming
- Environmental Monitoring
- Foundational network and Cisco Kinetic for Cities in place



Located in central Greece, 330 km north of Athens, Trikala is a gateway into the mountainous region of northwestern Greece, very near to Meteora, UNESCO's famous world heritage site. It is one of the oldest cities in Europe (the ancient Trikki), with a long history that goes back in 3,000 BC and is the birthplace of Asclepius, the first ancient doctor. Today, a lively city of 50.000 inhabitants, combines innovation and culture, while it is considered one of the cities with outstanding quality of life.

For many people in Greece, the city of Trikala is a synonym of technological advancement. With strong leadership and commitment at the highest level and with highly motivated technical personnel, the municipality is continuously transforming the city, through the deployment of thousand smaller and larger ICT projects.

Chalkida Facilitating Accessibility while enhancing operational efficiency

Business Objectives

- Deliver a new generation of urban services for city agencies, citizens, and businesses
- Create scalable, repeatable, and self-sustainable framework

Solutions

- Cisco Digital Network Architecture for Cities, Cisco Kinetic for Cities, Cisco Kinetic for Cities Lighting with Cisco Kinetic for Cities Nodes, interactive digital kiosks, smart water initiatives
- Partners: Cosmote, Kafkas S.A., OTS

Business Outcomes

- Smart parking operations with a citizen mobile app
- city center-wide free Wi-Fi
- energy savings of 70% in lighting
- Environmental Monitoring
- Foundational network and Cisco Kinetic for Cities in place
- Smart Waste Management Solution in place



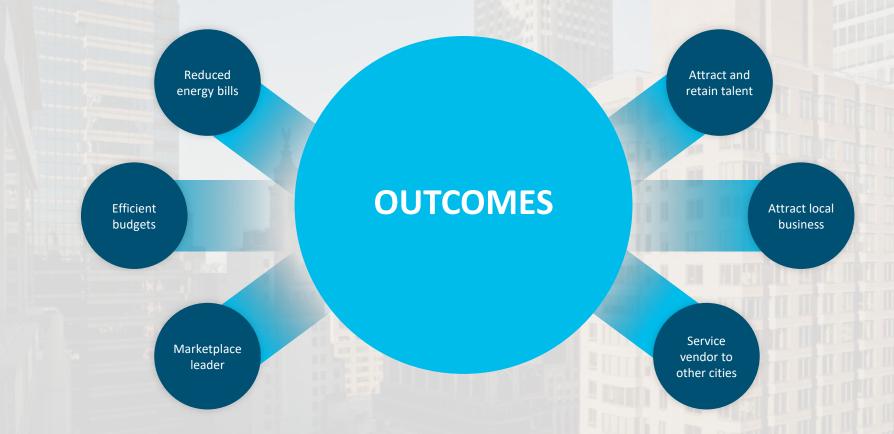


Only 80 km away from Athens, the city of the sacred fountain of Arethousa is the main gate to the island of Evia. Thanks to its strategic geographic position, the city has remained a crossroad of cultures and ideas over the centuries, an apple of discord for many foreign conquerors. Today the cosmopolitan city of Chalkida, with about 90,000 inhabitants, is built on both sides of Evripos straits, it is the administrative and commercial centre of the island and a popular destination among Athenians for short breaks away from the hustle and bustle of the capital city.



Realizing the benefits

Driving sustainable economic growth



Creating shared value

CITY AGENCIES

∷ ∘

Optimizes operations through real-time data intelligence and intra-agency collaboration; more citizen engagement.

CITIZENS

AA

Provides city services through visibility into realtime city data, including mobility, connectivity, safety and other key services for improving elements of daily life Drives new revenue streams and economic development by enhancing awareness of customer activity and behavior

BUSINESS

DEVELOPERS AND VENDORS

Fuels application development of city data to help cities improve operational efficiencies, engage citizens and boost economic viability ılıılı cısco