INTRACOM TELECOM

9th Smart Cities Conference

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Deploying & Expanding IoT for Smart Cities

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The purpose of Smart Cities

Create a digital infrastructure targeting the City's specific needs, in order to monitor, control and improve services and processes and make my City more appealing to citizens and visitors

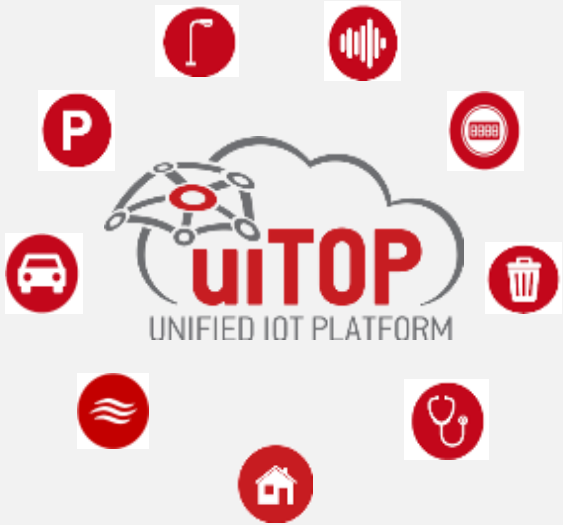
How

Analyze	Define	Design	Deploy	Expand
the pain-points	*the priorities*	*software connectivity technologies*	*real-world example*	*integration interoperability*

A unifying platform

1. Unified management of the Smart City
2. High performance, Reliability & High-availability
3. Fully Customizable – Seamless integration with any IoT device
4. Multi-tenancy and support of aaS models
5. Digital twins for testing & forecasting
6. Advanced Visualization and reporting
7. Applications enablement supported by Analytics and AI features

But, also include Mobile Edge Computing!

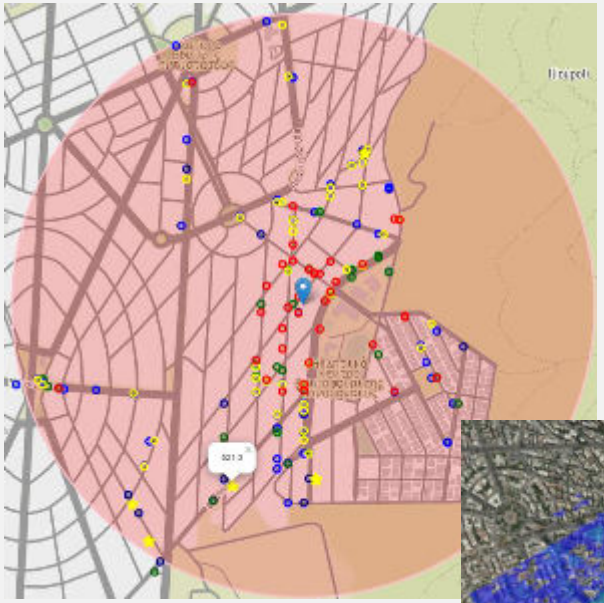


Robust connectivity

What is the suitable connectivity mix?

LoRa
NB-IoT
5G
4G
3G
Wi Fi
ZigBee
sigfox

Network Optimization



New deployments	Existing deployments
Optimal OpEx	Reduced OpEx
Improved ROI	Expand network with minimum investment
Project longevity	Unlock the potential of the network

A modern Smart City implementation

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GlobiLED LED ΦΩΤΙΣΜΟΣ We make light

THE PROJECT IN NUMBERS

5,372
new lights installed

€880,000
savings from power reduction*

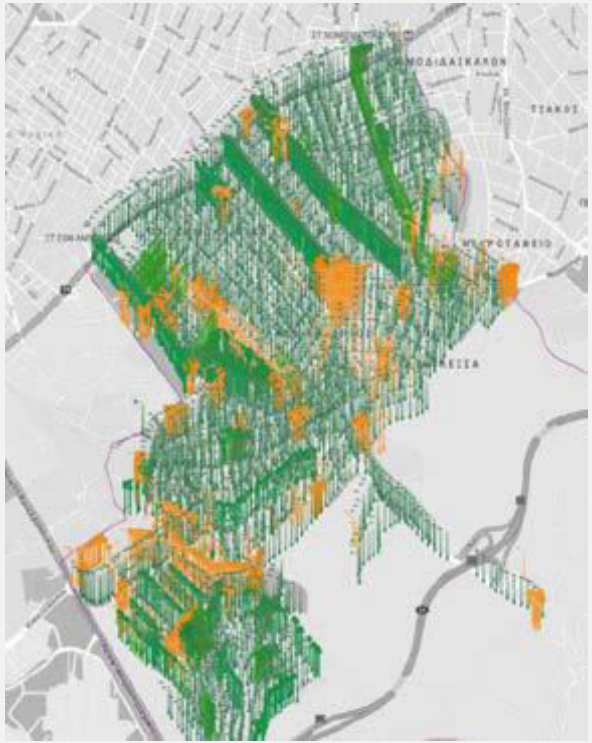
64,800 m²
free Wi-Fi coverage

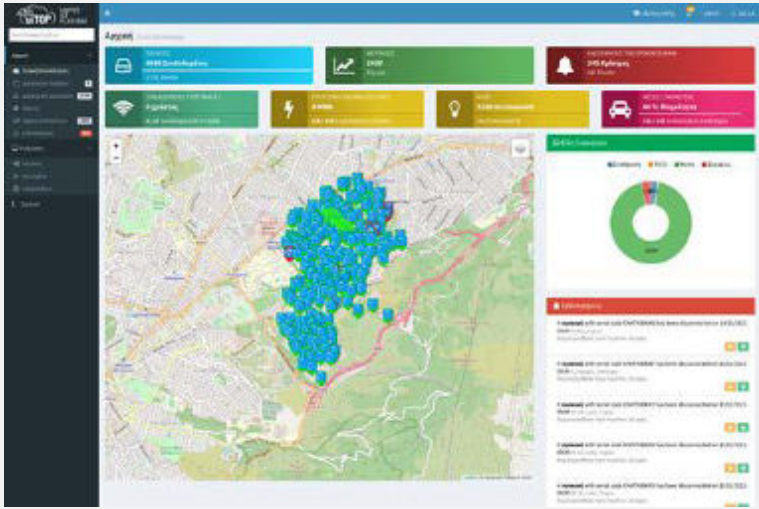
6,154 tons
less CO_2 emissions*

228
smart lighting group controllers

162
smart parking spaces

*Calculated for a 12-year period





Expanding the ecosystem

What ‘s next?

INTRACOM TELECOM core portfolio

- Bluetooth beacons
- Fleet tracking
- Water management
- Smart parking
- Energy metering
- Waste management
- Public Wi-Fi
- Smart lighting
- Sound monitoring
- Environmental monitoring

Expanding the ecosystem

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	Water management	Smart parking	Sound monitoring	Waste management	Environmental monitoring	Bluetooth beacons	Public Wi-Fi	Fleet tracking	Energy metering	Smart lighting
How can I safeguard natural resources?	✓				✓					
How can I reduce waste and increase recycling?				✓						
How can I reduce my environmental footprint?	✓	✓						✓	✓	✓

Expanding the ecosystem

	Water management	Smart parking	Sound monitoring	Waste management	Environmental monitoring	Bluetooth beacons	Public Wi-Fi	Fleet tracking	Energy metering	Smart lighting
How can I safeguard natural resources?	✓				✓					
How can I reduce waste and increase recycling?				✓						
How can I reduce my environmental footprint?	✓	✓						✓	✓	✓
How can I protect vulnerable social groups?		✓					✓			

Expanding the ecosystem

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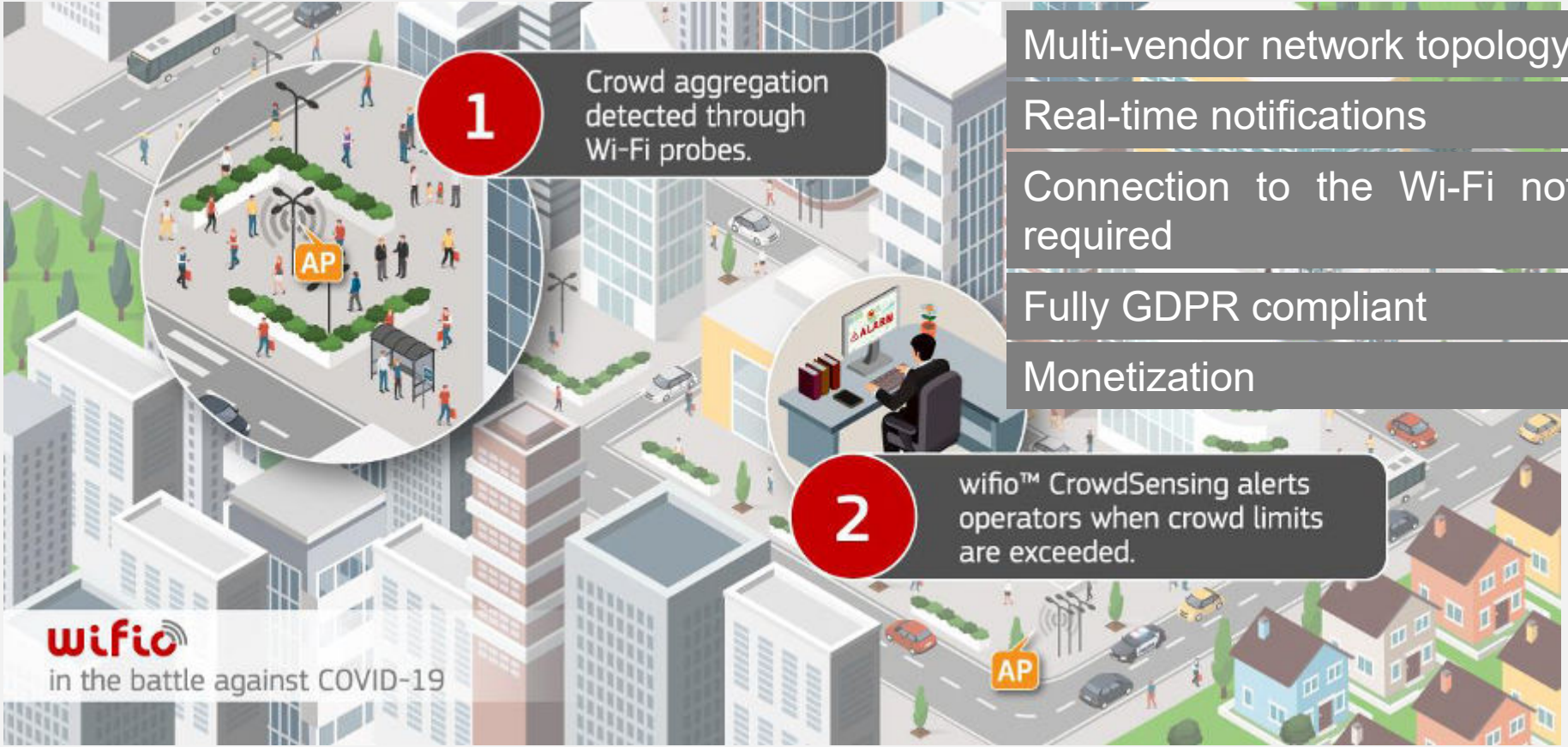
	Water management	Smart parking	Sound monitoring	Waste management	Environmental monitoring	Bluetooth beacons	Public Wi-Fi	Fleet tracking	Energy metering	Smart lighting
How can I safeguard natural resources?	✓				✓					
How can I reduce waste and increase recycling?				✓						
How can I reduce my environmental footprint?	✓	✓						✓	✓	✓
How can I protect vulnerable social groups?		✓					✓			
How can I attract more visitors?		✓	✓		✓	✓	✓			
How can I increase efficiency and revenues?	✓	✓		✓		✓	✓	✓	✓	✓
How can I improve citizens' everyday life better?		✓	✓	✓	✓	✓	✓			✓

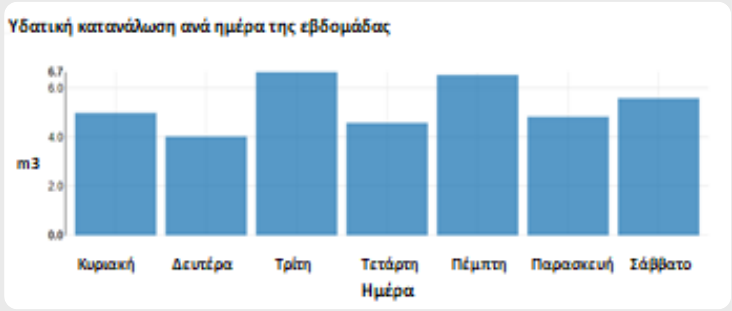
Dealing with the unexpected

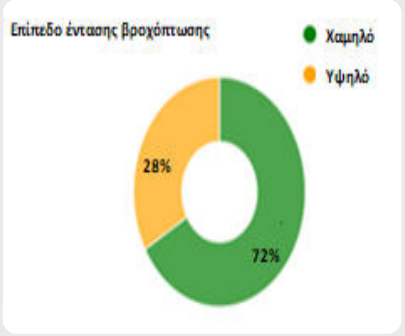


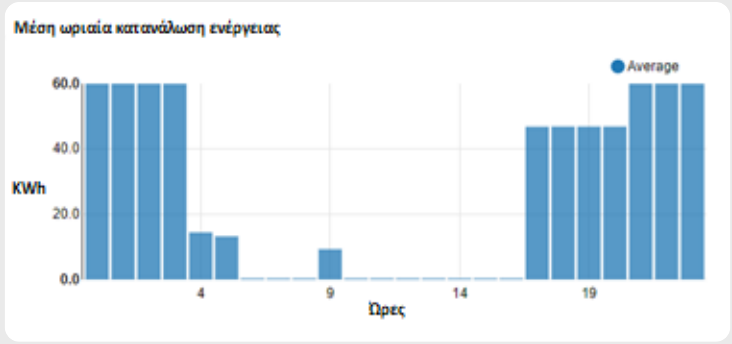
- Multi-vendor network topology
- Real-time notifications
- Connection to the Wi-Fi not required
- Fully GDPR compliant
- Monetization

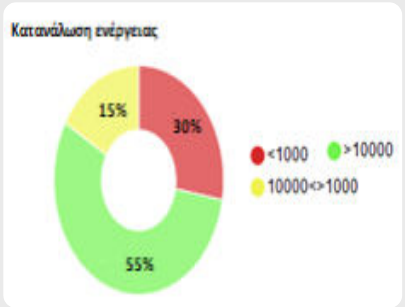
Identifying synergies

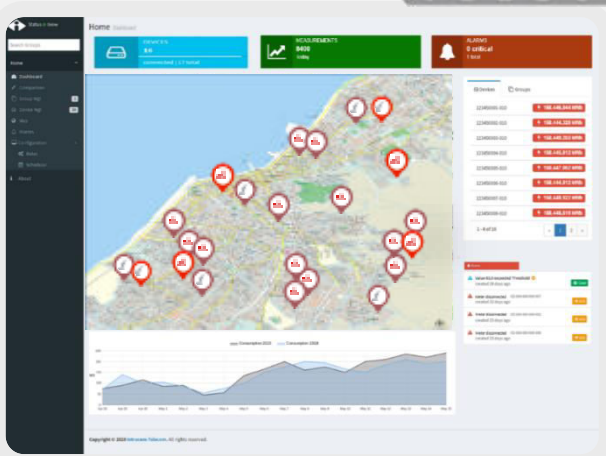
- Complete control of the whole network
- Aggregated information
- Powerful Analytics
- Smart rule engine

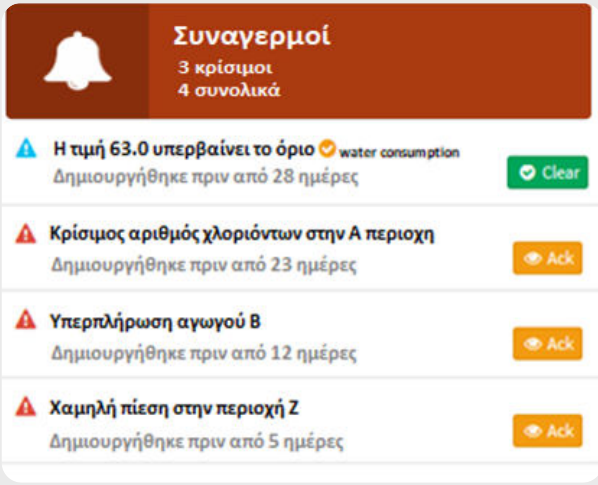




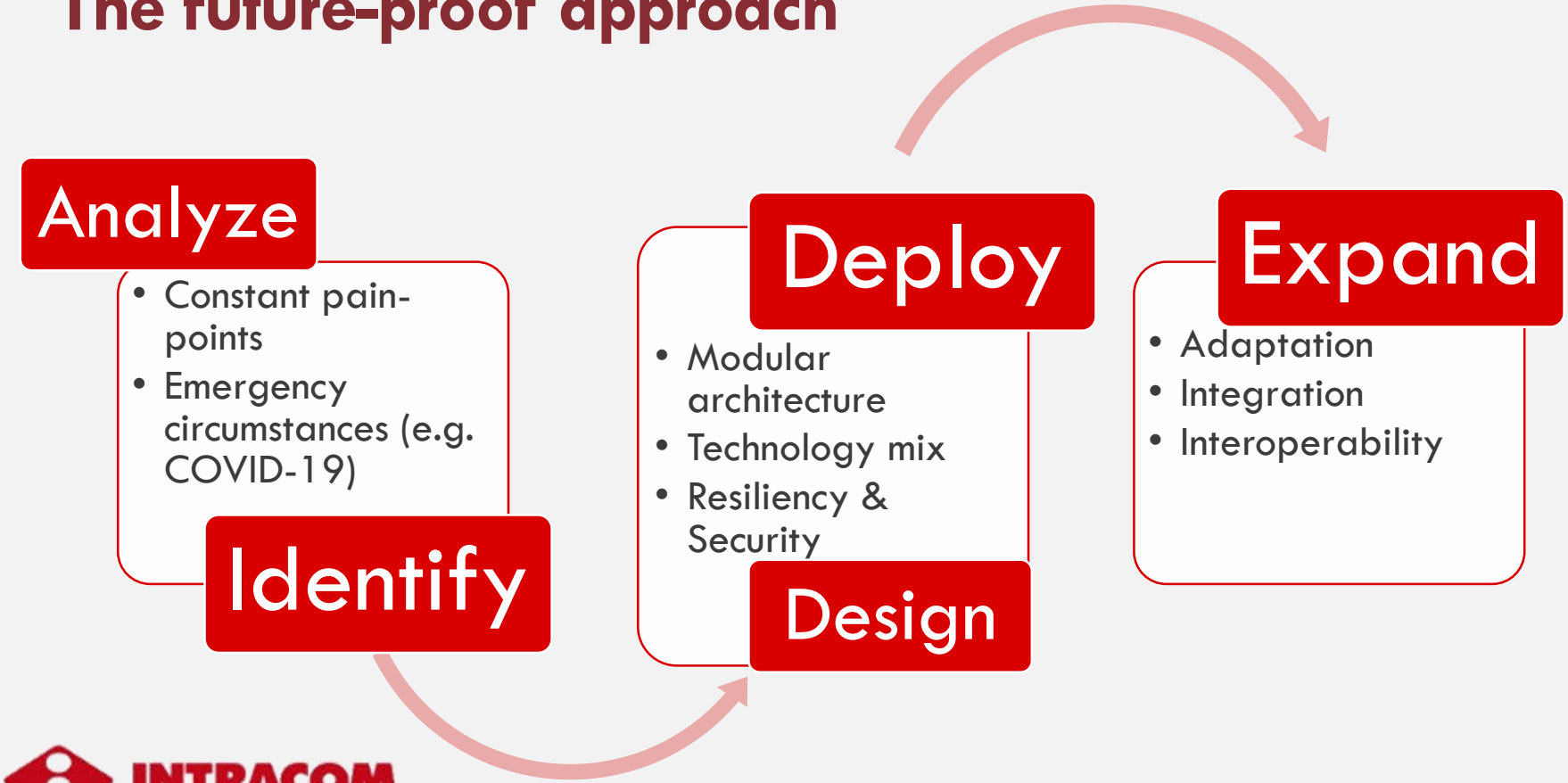








The future-proof approach



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