

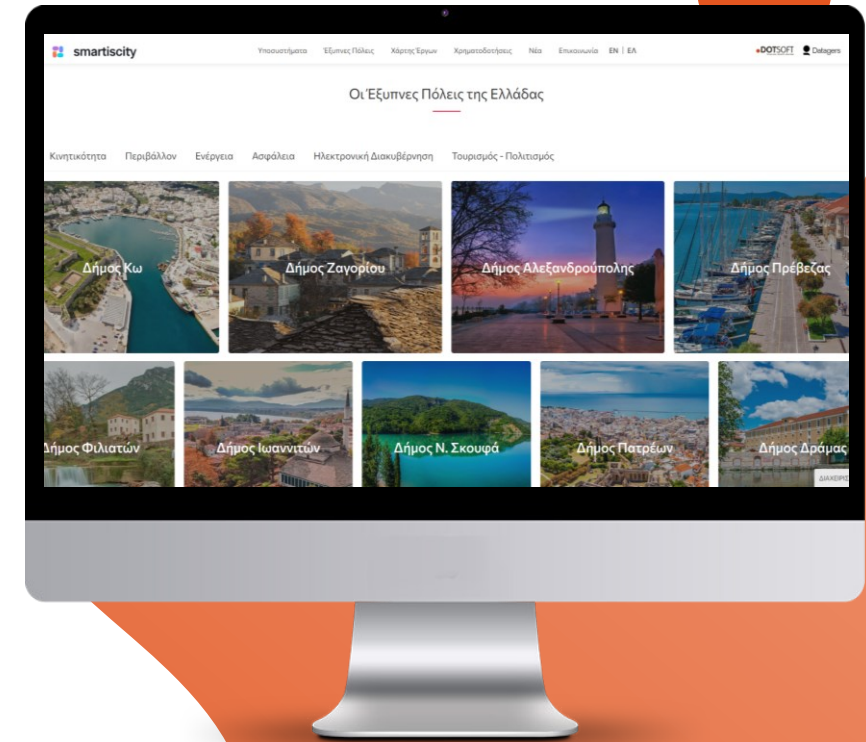
# Integrated data management platform and smart city applications

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DOTSOFT SA started the development of its own smart city data management and utilization platform in 2015 and today more than fifty (50) Greek cities use it daily. Our vision from the first steps was to develop a solution based on modern technologies that would work in the specific environment of Greek Municipalities, knowing the difficulties of these organizations. The company's progress to date shows that the response and interest of the municipalities is great.

Today, after more than fifty (50) actual installations and productive projects, we are able to propose specialized smart city applications that will improve the operation of your own city, as well as the quality of life of your citizens and visitors.

Management control and indicator monitoring platform for the performance of a smart city. The SmartisCity platform is able to act as a single dashboard for monitoring the performance of a municipality by interconnecting different subsystems and providing an oversight management tool for each municipal authority. Operating under the Software as a Service (SaaS) philosophy, it can meet the needs of any modern municipality (small or large) by offering the municipal authority the ability to monitor in real time the progress of the budget, the projects being carried out in the municipality, the requests coming to the municipal services, etc.



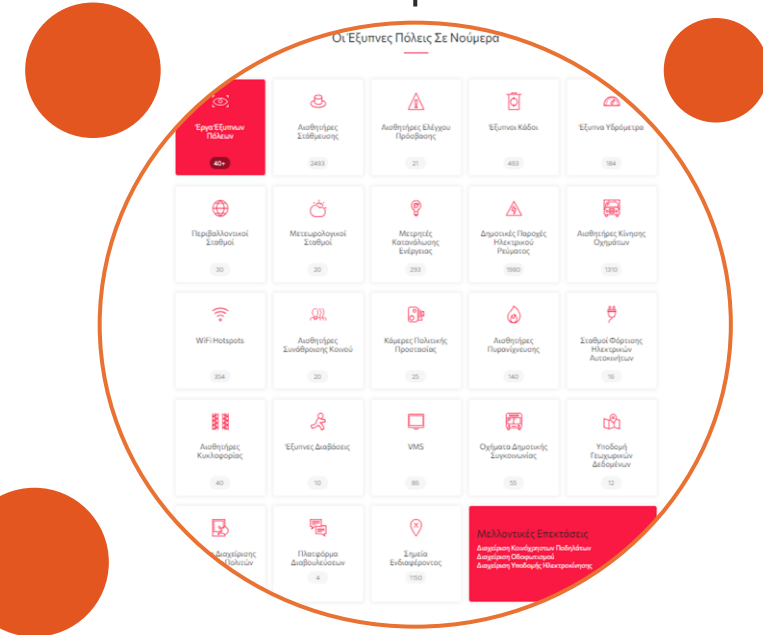
# Integrated data management platform and smart city applications



- 1 Surveillance of the city from one point
- 2 Integration with over 20 vertical applications - selection based on the actual needs of the Municipality
- 3 Management of sensors and IoT devices
- 4 Ready interfaces with sensor suppliers
- 5 Standard Web Portal (Front End) and Mobile App for each Municipality
- 6 Creating periodic reports

# Integrated data management platform and smart city applications

- ✓ The software allows the creation of policies to define rules that will control the behavior of the elements of the smart city infrastructure
- ✓ Offered with over 20 interconnected device manufacturers at no additional expansion cost
- ✓ Live data streaming and live visual streaming from various sensors, cameras or other smart city devices connected to the software is possible
- ✓ There is full customization of the platform at the operational level per municipality taking into account the needs, users and capabilities of each municipality



- ✓ The offered API and open data are free of charge to the Municipality
- ✓ The platform from its installation is fully scalable both in number of sensors per subsystem and in new subsystems
- ✓ There is full technical support from an experienced team in Thessaloniki, Athens, Heraklion, Ioannina, Trikala
- ✓ Automated reports per municipality and vice-mayorate tailored to its needs

# Integrated data management platform and smart city applications

- ✓ Real-time processing of all sensor data
- ✓ Support REST full and Web Service API support for integration with third party systems at no extra charges.
- ✓ Installation anywhere the municipality chooses (G-Cloud, On Premise, Azure, etc.)The platform periodically converts all pre-computed statistical data into a SQL-based database for greater analysis using Business Intelligence
- ✓ The platform is divided into different Modules/Applications which the Municipality can add/activate at different times (whenever they want), thus offering full scalability
- ✓ Unified device management environment regardless of manufacturer
- ✓ Rule-based engine (built-in Module in the management tool - rule-based engine (Rule Engine)) so that the administrator can define operating rules and compose different operating scenarios



IN CLOUD

Microsoft Azure

ON PREMISE

Windows Server

## Smart City

### Open data portal

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The integrated Smart Cities data management and applications platform is an open data portal that provides transparency and accessible information to citizens, institutions and researchers. Open data is relevant to different sectors such as: environment, traffic, energy, etc.

#### 1 Easy access

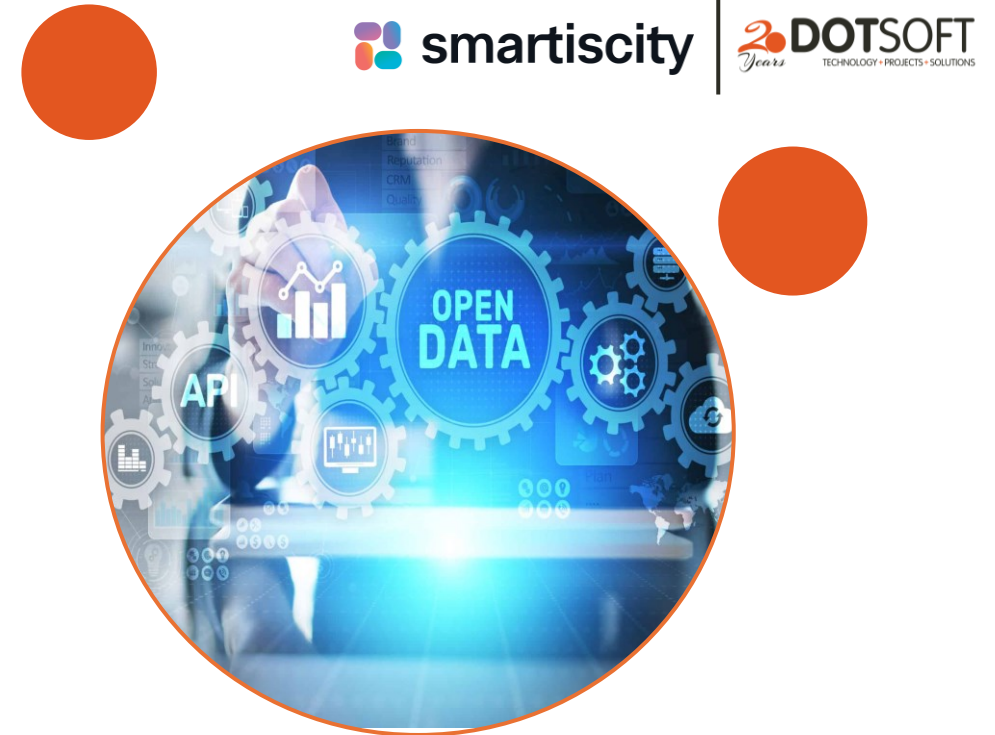
Use of interfaces for simple and user-friendly navigation

#### 2 Integration with other platforms

Exporting data to smart city monitoring and analysis platforms

#### 3 Analytic tools

Data visualisation capabilities to better understand trends and information

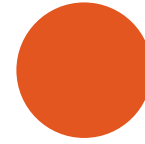


smartiscity

20 Years DOTSOFT  
TECHNOLOGY • PROJECTS • SOLUTIONS

### Benefits of open data

- Enhancing transparency
- Empowering citizens by providing data for informed decisions and participation in city processes
- Supporting innovation by facilitating the creation of third-party applications and services through open APIs



1

### Unified Data Management

All data is brought together on one platform, making it easier to monitor services and identify needs and problems in real time.

2

### Effective Response to Emergency Situations

The platform provides a comprehensive picture of the conditions in the municipality, allowing for a faster and more accurate response.

3

### Decision Improvement

Thanks to unified access to statistics and analysis, the municipality's administration can make informed decisions that meet the real needs of the community.

4

### Resource Saving

Unified management helps to use resources more efficiently, reducing duplication of work and unnecessary costs

5

### Transparency and Citizen Participation

By enabling citizens to access information on the platform, transparency and trust in the municipality is enhanced and participation is facilitated.

6

### Easier Infrastructure Maintenance and Upgrading

Centralised systems monitoring supports the timely maintenance and upgrading of equipment.

# Smart City

## Smart city platform modules/applications



Smart Cities Projects

40+

Parking Sensors

2493

Access Control Sensors

21

Smart Bins

493

Smart Hydrometers

184

Environmental Sensors

30

Meteo stations

20

Energy Consumption Meters

293

Municipal Electricity Supplies

1980

GPS Trackers

1310

Citizens' Request Management System

12

Consultation Platform

4

Points of Interest

1150

WiFi Hotspots

354

People Counting Sensors

20

Civil Protection Cameras

25

Fire Detection Sensors

140

Electric Car Charging Stations

16

Circulation Sensors

40

Smart Pedestrian Crossing

10

VMS

86

Public Transportation

55

Geospatial Data Infrastructure

12



### Next Extensions

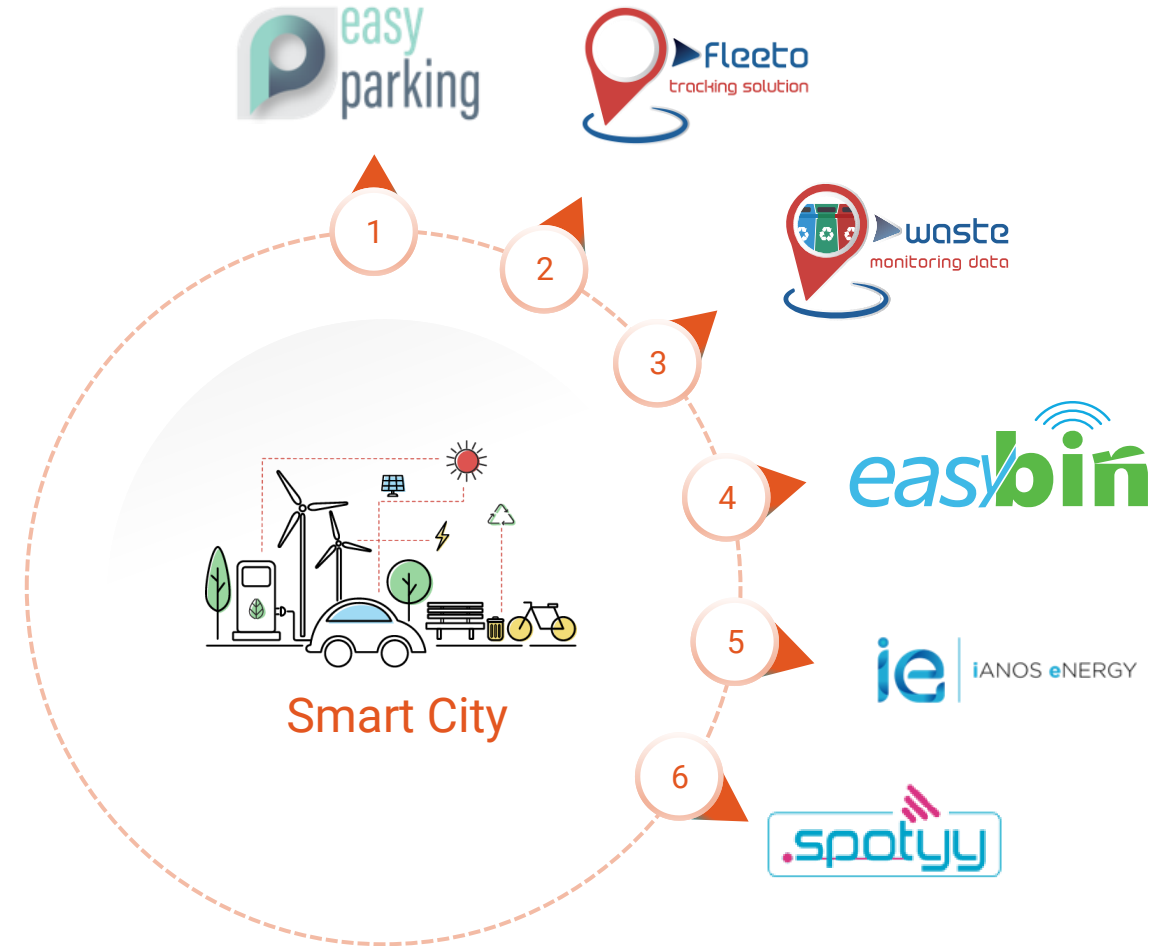
- Shared Bicycle Management
- Street Lighting Management
- Electromobility Infrastructure Management





## Examples of integrated vertical Smart City solutions

- 1 Controlled parking management system
- 2 Vehicle fleet management system
- 3 Waste management system
- 4 Bin capacity management system
- 5 Electricity data management system
- 6 Wireless network management system



1

## Live monitoring map

Interactive map of the city showing real-time points of critical events and sensor data (e.g. air quality, traffic flow, public safety)

2

## Information indicators & updates

Pop-up alerts for new or emergency events  
Monitoring table with selection filters (by region, category, status)

3

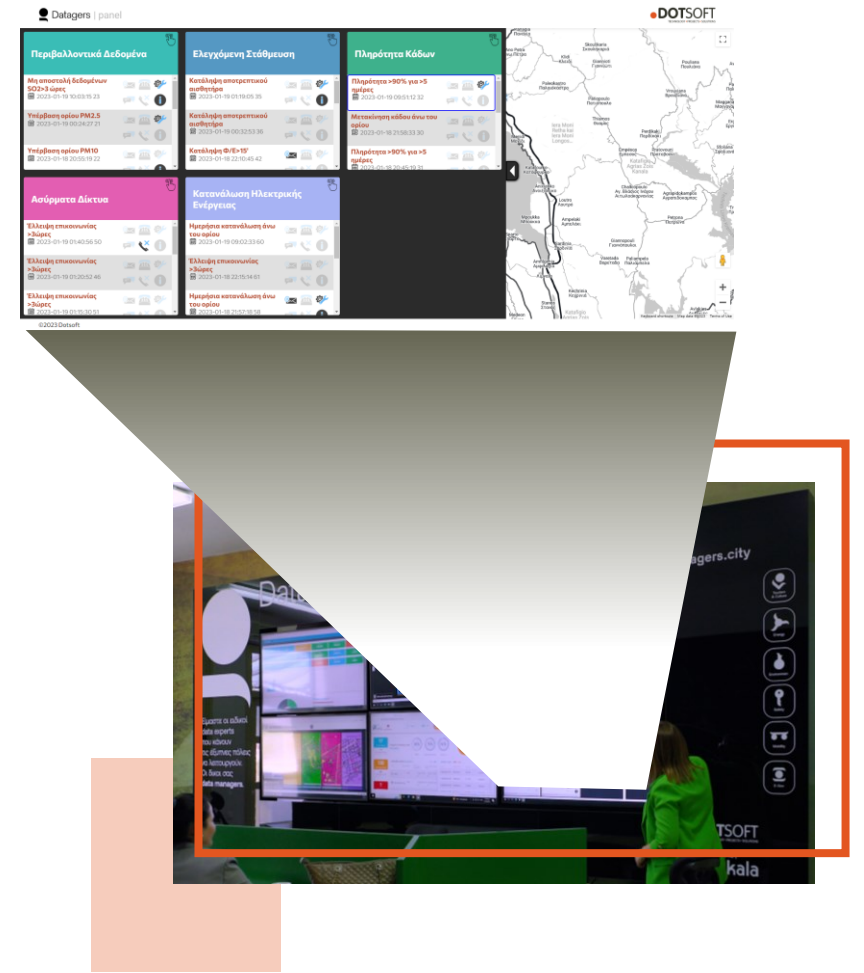
## Connection to response teams

Tools to quickly send instructions and updates to the competent authorities

4

## Event reports and statistics

Ability to export reports with statistics on frequency and type of events  
Graphs and charts with historical data for improved decision making



Extension of the central smart city platform with software for smart city operation and alert management from a single control center

- 1 Operating Smart City Systems from a single point - All in one -
- 2 Data monitoring [analysis, review, reports]
- 3 Remote operation of smart city systems with the Smart City Operation Center as a Service (SCOCaaS) model
- 4 Helpdesk for communication with citizens
- 5 Advice and strategy plans to better integrate individual smart city policies
- 6 Using business intelligence (BI) systems to visualise and analyse smart city data
- 7 Emergency notifications



# Smart City

## Smart city platform



Our experience over the last 5 years

Mobility

Environment

Energy

Safety

E-gov

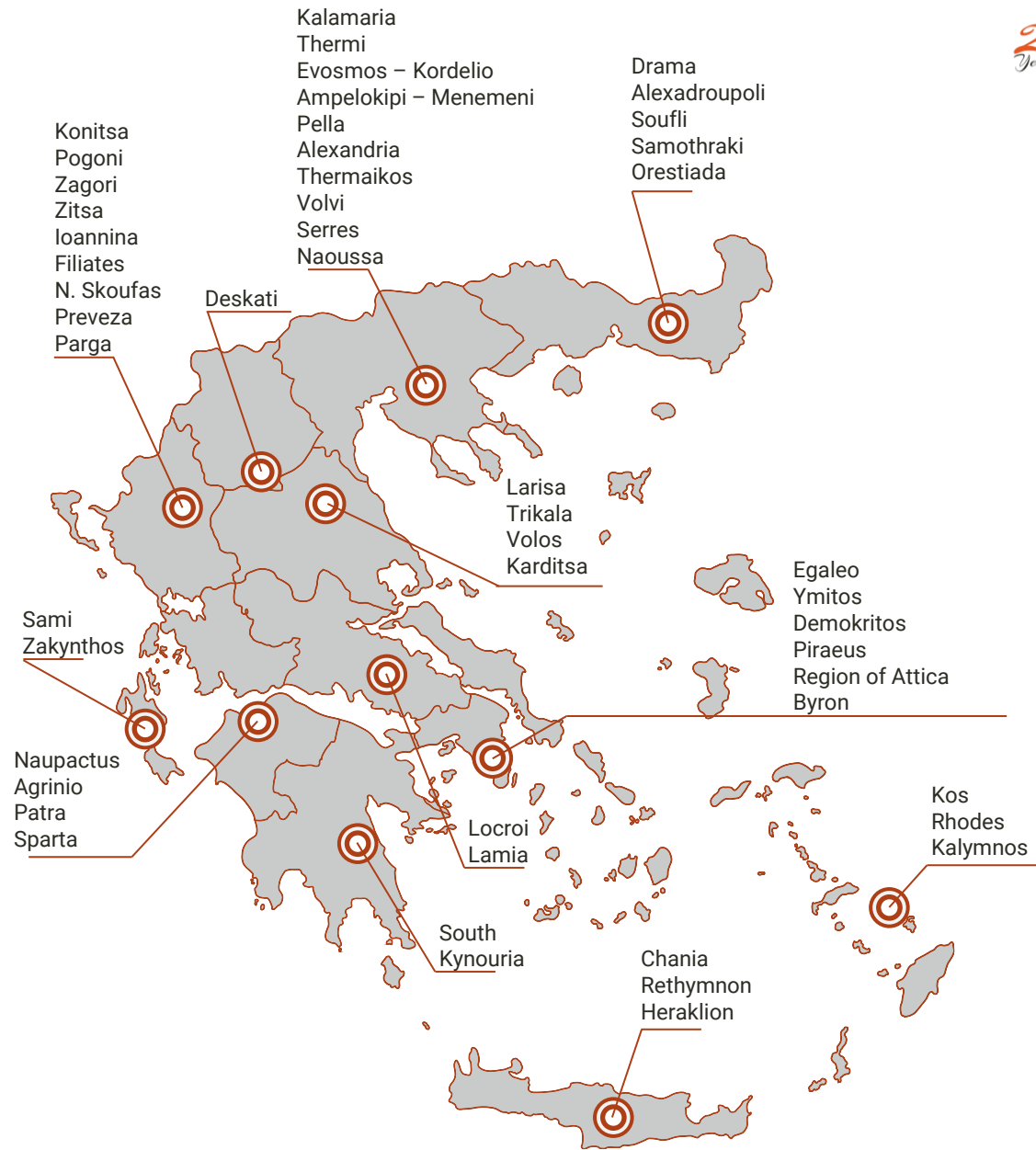
Tourism - Culture

50+ Municipalities

300+ Installed Apps

10.000+ IoT sensors

2.000.000+ Beneficiaries citizens





# Thank you!



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