

Invipo Operator Dashboard

Smart City operators get a powerful online application for an integrated and effective data, technologies and services management.

Public City Dashboard

Citizens, communities and entrepreneurs can see city data in clear online statistics, trends, indexes or applications.

Mobility

City traffic

01 Traffic Monitoring Module

Monitoring of traffic in the city, traffic congestions, Travel times counting, traffic flow count and classification.

Traffic counters
Traffic cameras
Vehicle detectors
Data from fleet vehicles

02 Traffic Control Module

Monitoring of traffic light controllers, traffic lights intersection management and administration, traffic scenarios creation.

Urban and management traffic centres
Traffic light controllers
Traffic detectors

03 Public Transport Module

Monitoring of public transport, visualization of delay against timetables, visualization (display) of traffic network, information for smart bus stops.

Public transport system
Public vehicle on-board units

04 Fleet Management Module

Information about monitored vehicles on the map, data about trips, historical data from moving vehicles in the selected period

Fleet management system
Vehicle on-board units
Data from vehicles

05 Parking Management Module

Information about off-street and on-street parking, monitoring of free parking places, economical and operational view of the city parking

Parking systems
Parking terminals
Parking sensors
Parking information

06 Emergency Services Module

Monitoring of the movement of vehicles of the integrated rescue system in time

Emergency center
Emergency vehicle on-board units

07 Accidents and Closures Module

Closures and alternate roads evidence, traffic accidents evidence

Traffic information portal
RSS feeds

08 Bike-sharing Module

Monitoring bicycle availability, evidence and information about racks for bike-sharing, route-planning

Bike-sharing systems
Smart bikesharing racks
Data from bicycle GPS
Bicycle tracks information

09 Variable Message Signs Module

Connection and control of VMS, content management, control via smart scenarios

Variable message signs
Digital panels

Environment

City environment, waste and polution

10 Environment Measurement Module

Meassuring of meteo situation in the city, measuring of imissions and air quality, quantifying of trends, warning for citizens

Road weather stations
Air quality sensors
Noise sensors
Data from hydrometeorological institute

11 Water Management Module

Monitoring of water level and water quality, information about water distribution system, warning systems integration

Waterworks system
Water quality sensors
Data from hydrometeorological institute
Information from health authority

12 Waste Management Module

Monitoring of waste collection, running of scrap yards, connecting of smart containers and bins, information about block street cleaning

Waste management system
Garbage cars on-boards units
Smart bins

Energy

Smart grids and energy management

13 Smart Buildings Module

Visualization of smart buildings, view of energy management and savings, control of access to buildings, monitoring of heating, air conditioning and smart lightning

Building management system
Smart buildings system
Smart buildings sensors

14 Smart Meter Module

Monitoring and administration of public wi-fi hotspots, connection of smart measuring devices in the city

Routers and network components
Data about the infrastructure

15 Street Lighting Module

Monitoring of public lighting, evaluation of energy savings, individual and group operation via smart scenarios

Street lights management system
Smart lights
Sensors on street lights

16 Electromobility Infrastructure Module

Monitoring of charging stations for electromobiles, information about availability and occupancy, operational view of the device

EV charging stations
Information about charging stations network

17 Infrastructure Module

Visualisation of electrical, infrastructural and technological grids, information about service

Heating plant management system
Waterworks management system
Information about the optical network condition

Safety

Safety and Crime Prevention

18 Surveillance System Module

Monitoring of the city via live videorecordings, on-line matrix of cameras system, video portal, surveillance cameras

Cameras management system
Video gate
Surveillance cameras

19 Enforcement Module

Monitoring of devices for traffic violations, informative indicators about risky effects, evidence of traffic violations

Speed control systems
Red light detection systems
Weigh-in-motion systems
Access control systems

20 Municipal Police Module

Visualization of registered police violations, information about violations, statistic overview

Municipality police management system
Violations and criminality data

21 Emergency Systems Module

Monitoring of emergency systems, water level situation visualization

Emergency systems
Water level sensors

Governance

Municipality and public services

22 Public Services Module

Monitoring of authorities, details for running of each agenda, statistics of dispatching citizens

Municipality information systems
Customer service system
City call center

23 Points of Interest Module

Visualization of selected points of interest including detailed information for citizens

Information from public services
Inormation from private sector

Smart City Integration Map



city in context

The map displays categories of Invipo modules that are ready to be installed. Modules can be used individually or in groups to meet the needs of your city.

The entire Invipo system is modular and other modules can be added later. Invipo is an open, flexible and safe platform for your smart city.