



Live!Urban

Impacting
city life

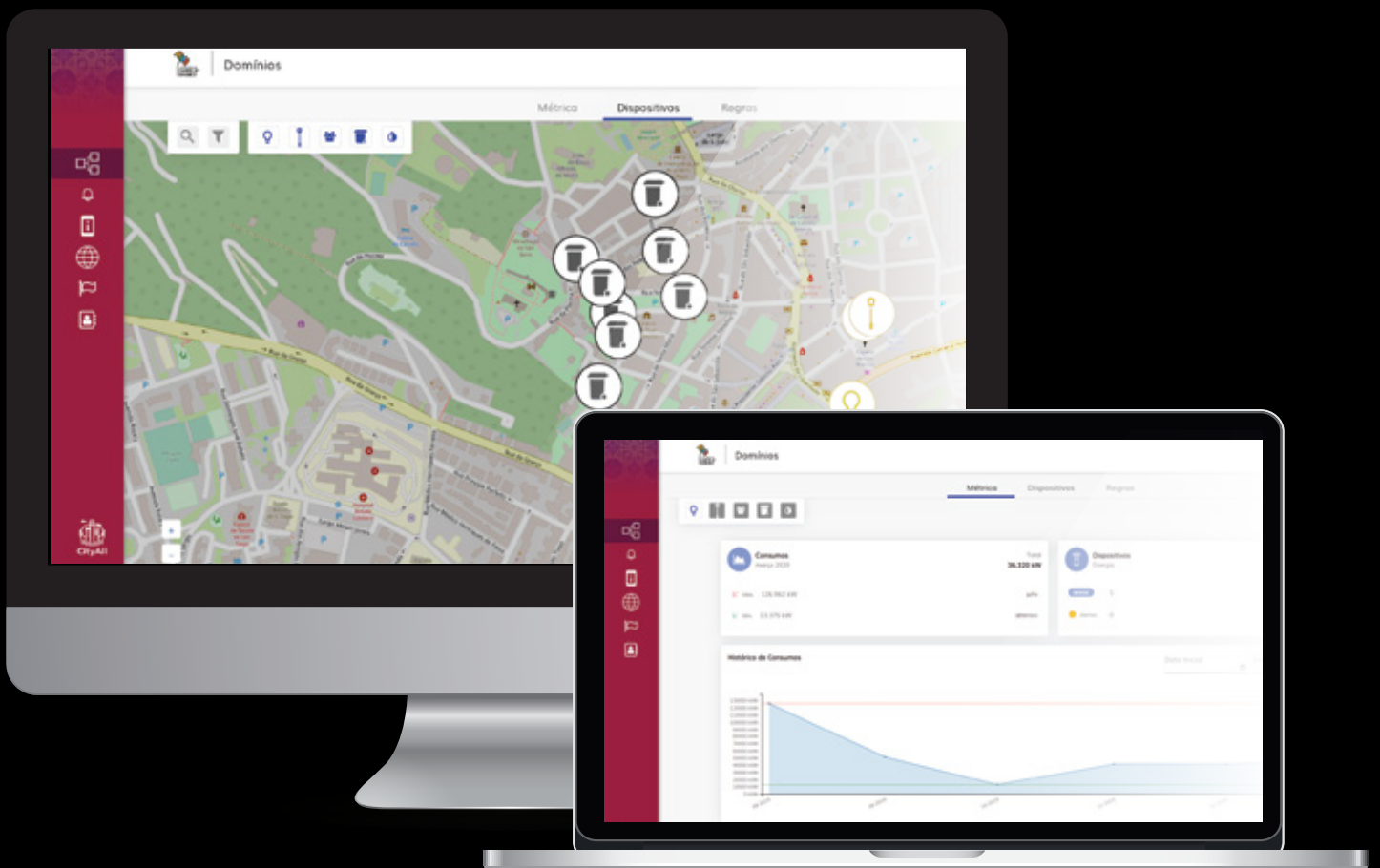




What is the Live!Urban?

The number of **autonomous systems** used in the management of cities' operations has been growing rapidly, **operating as standalone systems**, in result of various local or regional initiatives. From a technological perspective, one of the great drivers of this growth is the rapid evolution and dissemination of IoT technologies, which resulted in a more complex and difficult to manage ecosystem.

The management of cities or large metropolitan areas requires the use of integrated tools that provide a holistic view of the urban space as well as the possibility of acting on different infrastructure's components. The **Live!Urban** software package offers a global vision of the city at different operational layers, allowing **informed decision making** at different levels of urban management enabling immediate action on the systems. Thus, it is possible to visualize in a **single Portal** all the relevant parameters of the totality of the city systems and act on the different functional domains - verticals - of the city. **Live!Urban** relies on the resources enabled by data management platforms to ingest, process, store and make available city information, being itself an integral part of a wider ecosystem of **Data Management & Monetization**, from Altice Labs.

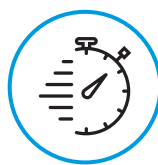


Discover Live!Urban

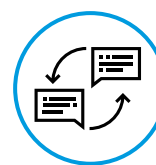
Live!Urban features



Integrated KPI
display on a
single dashboard



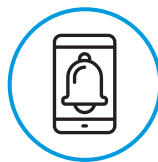
Real-time information
display for quick
decision-taking



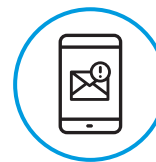
Multilingual
interface for
interaction with
citizens



Correlation of
relevant data
and information



Access to event alarms
and actuation rules
definition



Intelligent actuation
with automatic
notification



Single point for
human
intervention on
multiple systems



Access to performance
indicators
dis-aggregated by
service / vertical



Sharing of city
information in
open-mode - open
data - to external
entities or through
controlled access



Live!Urban quality attributes

Service offered in a
virtualized, elastic and
secure environment in the
"Cloud"

Permission to execute
different type of tasks,
according to
pre-established profiles

Safe, flexible and
configurable data /
information access
authorization mechanisms

High storage capacity
and enhanced analytical
processing

Agnostic to sensor
network's technologies

GDPR privacy
compliant

Dynamic, customizable
and intuitive graphical
environment

Secure data transmission
mechanisms

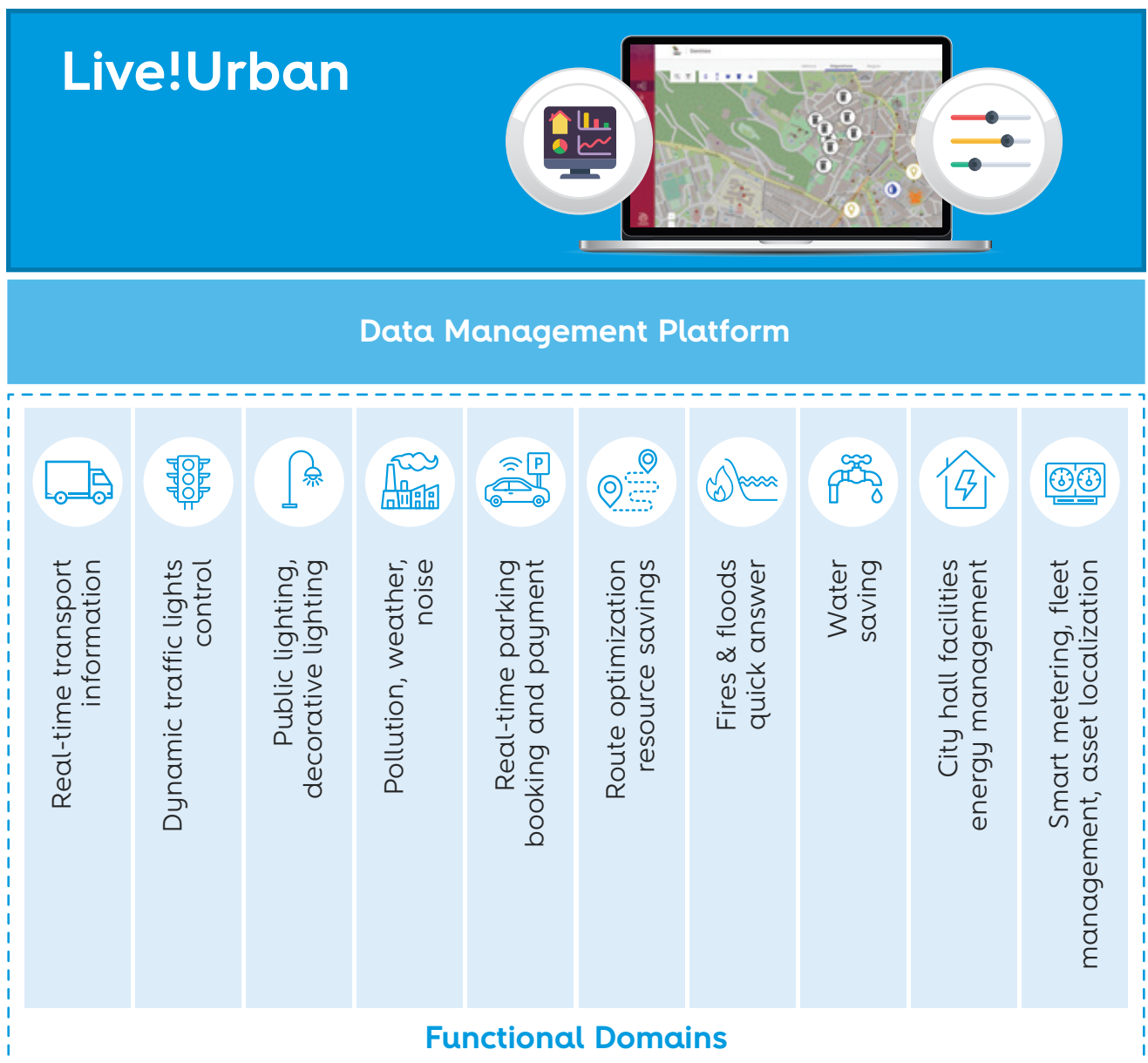
QoE by
design

Architecture

The **Live!Urban** concentrates in a single operational control point the functionalities needed to visualize, analyze and act on urban control systems and infrastructures.

Live!Urban allows integrating different services and technologies belonging to different functional domains (verticals) in a seamless transparent way, using specific APIs to interact with the different systems. **Live!Urban** resorts to the functionalities provided by data management platforms to ingest, process, store and share city information, reinforcing the capacity to manage and control city functional domains.

The solution supports different IoT systems and devices, from different manufacturers, regardless of the radio access technology used (e.g. NB-IoT, LoRa, 3G, 4G, 4G +).



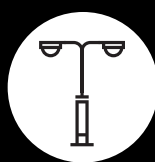


Application areas

Live!Urban facilitates the integration and emergence of synergies between different functional domains of the city, namely:



Waste management



Street lighting



Power consumption and production



Water supply management



Monitoring of environmental parameters



Mobility management

- Pedestrian and vehicular flows
- Public transport
- Parking management
- Traffic signaling control



About Altice Labs

Delivering key telecommunications technologies since 1950, Altice Labs has been shaping the future of technology, enabling Communications Service Providers and Enterprises to offer advanced and differentiated services to their customers and users.

Altice Labs is an innovation and transformation catalyst supported on a strong and dynamic Innovation Ecosystem. Through technology, we are committed to improve people's lives and the way in which companies do business.



www.alticelabs.com