Transform your **smart city** into an **intelligent** city with FlexBox.

WiFi - Footfall - Cameras - Sensors - Big data - GDPR compliant.

CITYMESH

FlexBox

> Integrates smart city applications: city WiFi, footfall, sensors, cameras, etc.
> Uses a Private LTE-network and remains independent of other public providers.
> Has its own user-friendly, cloud-based management platform.
> Makes big data analysis easy through our very own open-data platform.
> Is GDPR compliant.

What is the FlexBox?

FlexBox is a modular hardware platform that consists of a base module in an advanced enclosure. The base module is customizable with other modules and components.

Beyond smart. Brilliant.

Leverage your existing network infrastructure to upgrade your entire city.

Security ring:
- 6 cameras with AI video analytics
- IR LEDs for night vision
- Microphone with audio analytics
- GPS module

Base ring:
- POE Power
- Embedded supercomputer

Connectivity & sensor ring:
- WiFi access point
- Footfall analytics
- Air quality monitoring
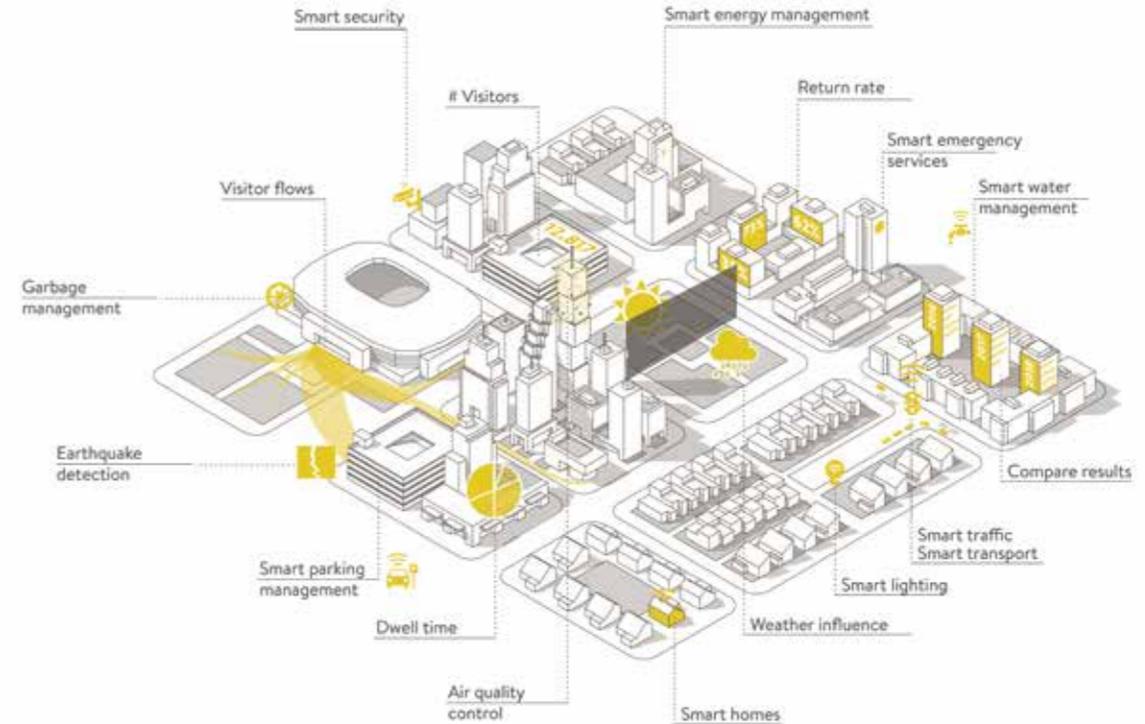- Temperature, humidity & VOC sensors
- Lora/Zigbee/BLE gateway

Smart solutions for intelligent cities

Thanks to the FlexBox, you are able to create more than just a WiFi access point that enables a superfast internet connection.

You can also collect detailed information about visitor flows, visitor numbers, temperature, air quality, etc.

Our modules make the transformation from a smart to an intelligent city easy.

Smart security
Smart energy management
Visitors
Return rate
Smart emergency services
Visitor flows
Smart water management
Garbage management
Earthquake detection
Compare results
Smart parking management
Smart traffic Smart transport
Smart lighting
Dwell time
Weather influence
Air quality control
Smart homes

Map labels:
- Event: trash warning
- Parking full
- Traffic accident
- Unusual loud noise detected
- Noise levels to high
- Traffic jam 10 min delay
- Air quality alert

Big data analysis

Thanks to the large-scale collection of data, Citymesh is able to provide authorities with information that contributes to intelligent decision making within cities and communities.

HOW BIG DATA CAN CONTRIBUTE TO SAFER CITIES

HEALTH

Sensors that measure air pollution, and those that control sewage flow ... all of them contribute to a healthier living environment.

Avoid garbage in the cityscape by placing sensors in public waste bins. They warn city services when public trash cans are ready to be emptied.

EMERGENCY SERVICES

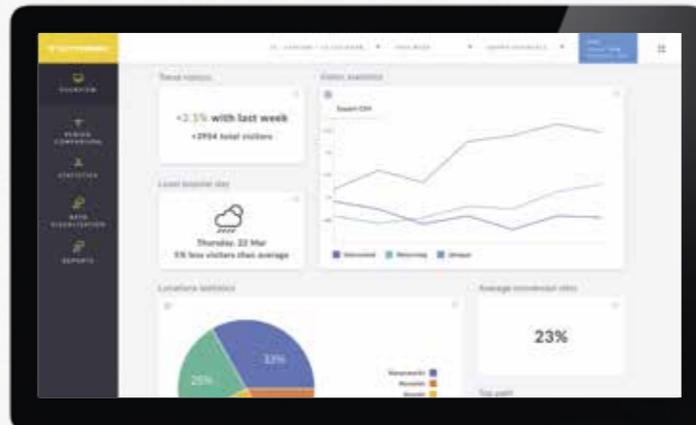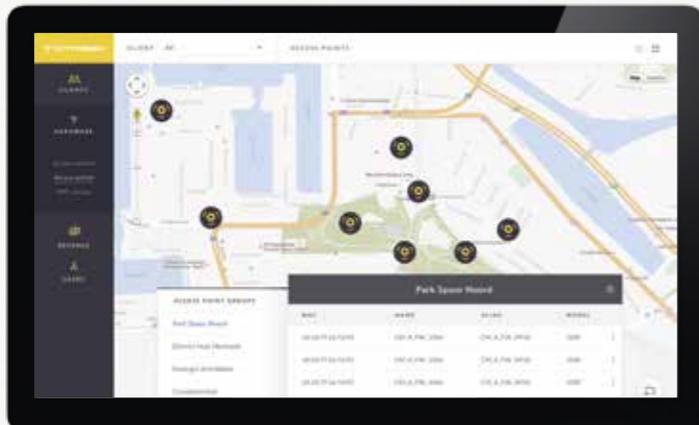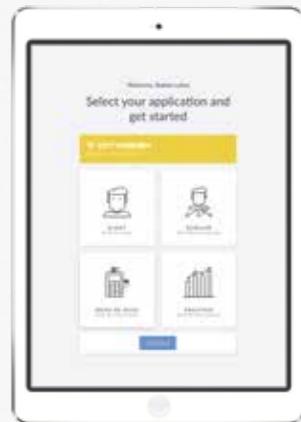Sensors and cameras can help emergency services arrive at their destination faster and safer.

CRIME

Predict where crime has the biggest chance to thrive. Discover which circumstances help crime find a foothold within your city, and take action on the basis of real factual data. This helps police and public services be better equipped to handle certain situations.

PARKING MANAGEMENT

Map traffic flow and adjust parking policies accordingly. Thanks to a dynamic approach, bottlenecks within your city can be avoided.
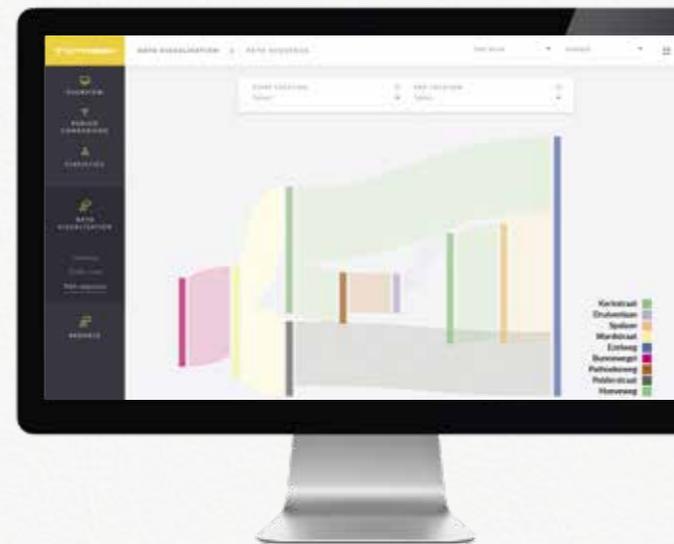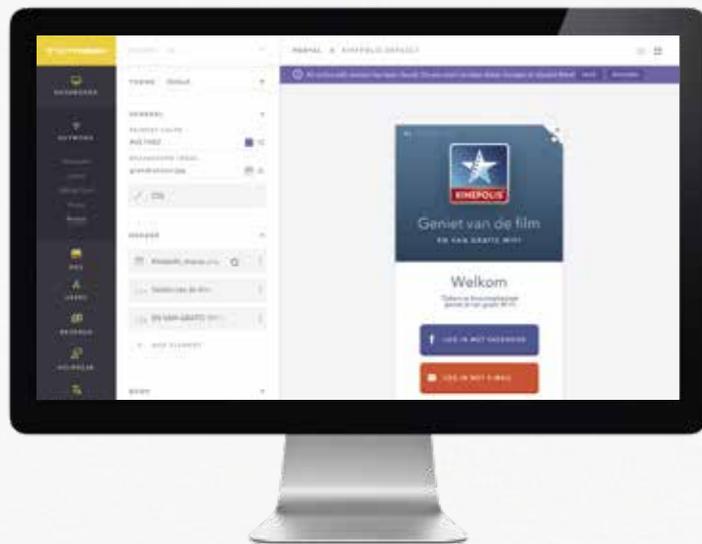
Data management via our user-friendly platform

Collecting data is one thing. Managing, analyzing and translating it into action is something completely different.

Our cloud-based management platform, WiFiLab, ensures we are able to quickly respond to our customers' needs. Some examples include:

> The many possibilities to personalize the network.
> Location and user-based advertising.
> Footfall.
> Being able to collect and present big data easily.

The platform can also be linked to existing WiFi networks (vendor independant).

Open data platform

Through the Citymesh open data platform, collected information about and from the city is made digitally available.

The datasets are made available for inhabitants, students, companies, etc. By using open standards, individuals or companies can use these datasets to develop useful applications, for example to improve services for inhabitants.

The platform enables collaboration between companies, merchants, governments and the inhabitants of your city or municipality.

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Government specialists

Our expertise in smart city data solutions is already relied on in major Belgian cities like Antwerp and Ghent.

Interested in our approach? We are happy to guide you through our cases. Contact us for more information and discover how our expertise can be of value to your city.

Our solutions are delivered white label. That way we ensure your city or municipality is able to keep on to its own branding and identity.

Why Citymesh?

FROM A TO Z
We do everything from site surveys and design to implementation and maintenance.

GDPR COMPLIANT
All collected data is anonymised during storage.

HELPDESK & NOC
24/7 monitoring and support, combined with a professional helpdesk for our users

USER-FRIENDLY MANAGEMENT PLATFORM
We use our own servers to guarantee smooth management and detailed data analysis

MULTIFUNCTIONAL
Our network can be used by third parties, which makes it possible to collaborate very easily.

OPEN DATA PLATFORM
This enables collaboration between companies, merchants, government and inhabitants of a city or municipality

LTE PRIVATE LTE NETWORK
Citymesh is the only Belgian provider with a private LTE license

CITYMESH

unwire your future

Citymesh is a Belgian telecom provider and city WiFi pioneer. We are specialised in the creation of large- scale wireless networks.

Using our infrastructure, Citymesh focuses on smart solutions such as sensor analysis, footfall and setting up private LTE networks.

Everything is integrated within our central cloud-based management platform.

FOLLOW OUR WEBINARS OR SEND US AN EMAIL TO RECEIVE A SOLUTION CUSTOMISED TO YOUR (CITY'S) NEEDS