Verizon
Smart Communities

Beaufort Digital Corridor

Fridays @ the Corridor, October 2017

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Smart Communities drivers

Sustainability

Livability

Resiliency

Aging infrastructure	**Congestion**	**Public safety**	**Economics**

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Smart Communities Challenges

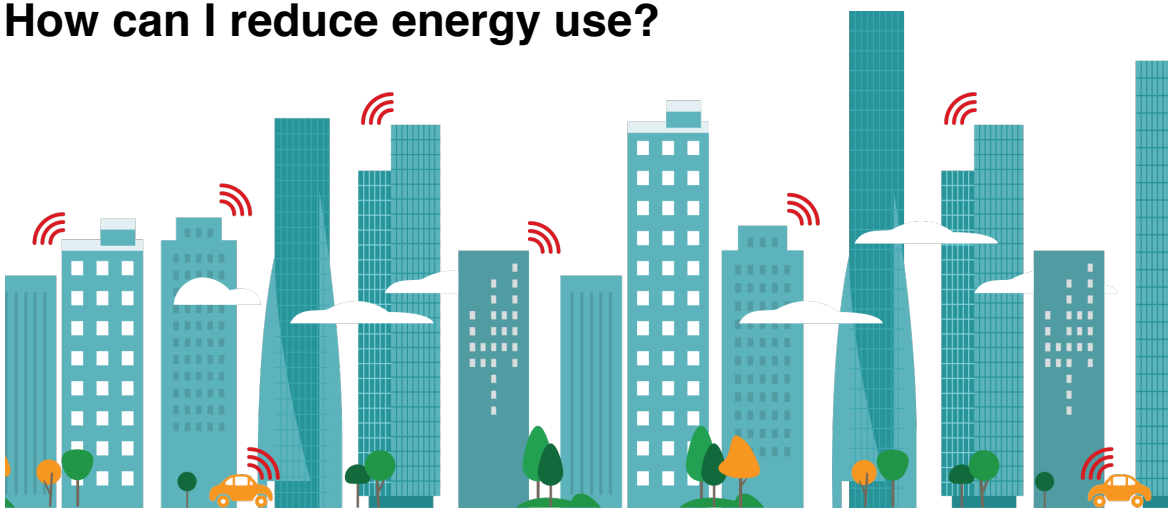
Climate Impact Plan Objectives?

How can I accelerate economic development?

Managing population growth through infrastructure changes?

Addressing citizen satisfaction?

How can I reduce energy use?



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Public Facing

Citizen visibility promotes sponsorship and viability of the project

“I am proud to live in this community!”

Measurable

Ability to measure and show success is critical for citizen buy in

“My community is spending funding efficiently.”

Building Blocks

Requires a modular approach with each solution complementing the next

“ My community is progressive based on the services they continue to build”

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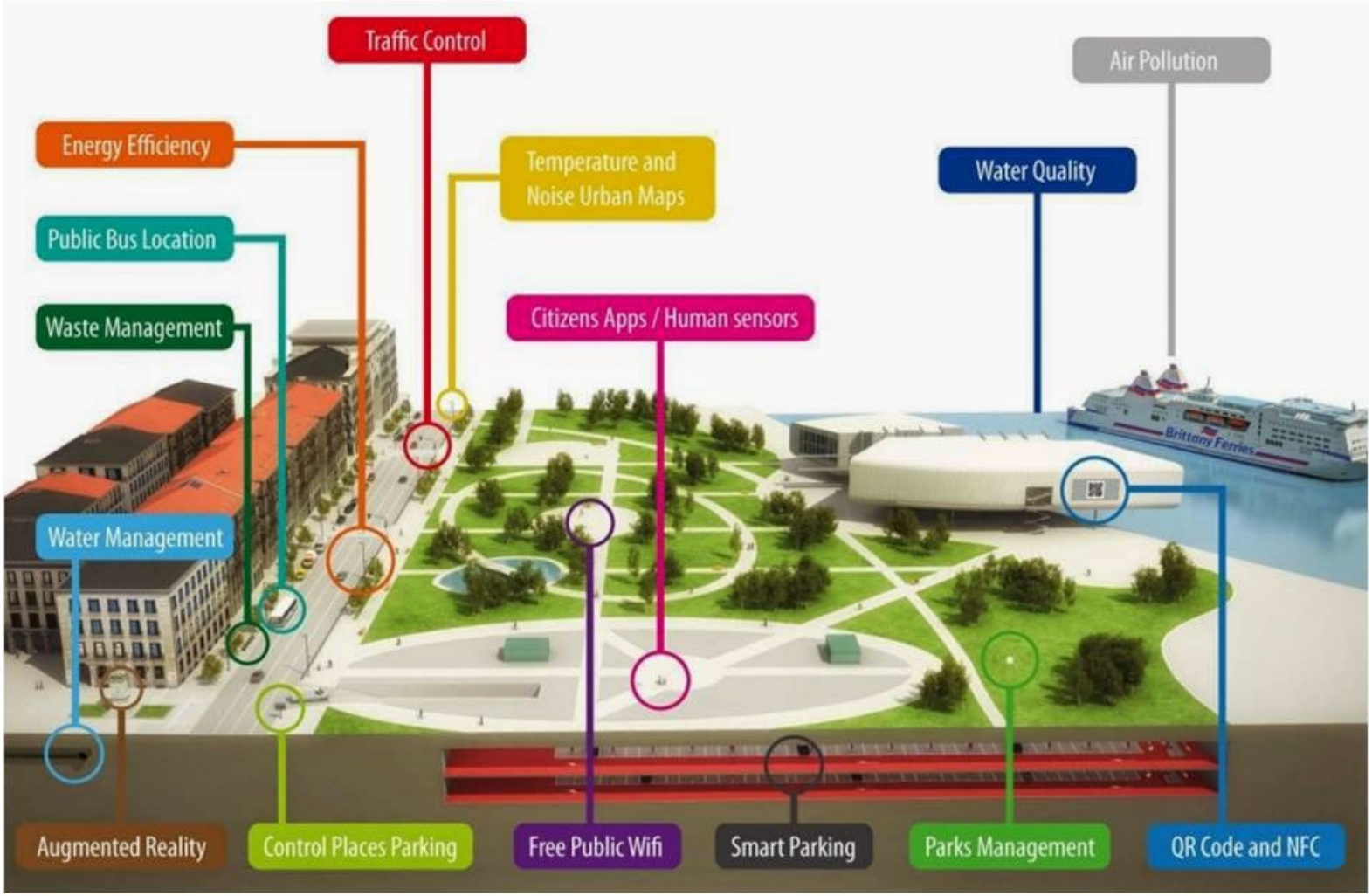
Smart City “Fly Over”



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Smart Communities

Transportation

Intelligent Traffic Control

Electric/Shared Vehicles

Fleet/Transit Control

Smart Parking

Parks & Trails

Intelligent Video

Safety Call Boxes

Solar Charging Benches

Connected Trash Containers

Downtown

Intelligent Lighting

Digital Kiosks

Wi-Fi

Audio Alerts/Music

Utilities

Grid Wide

Energy Management

Fleet Management

Water Management

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Smart Communities : Intelligent Traffic Management

Optimize the flow of street traffic for less congestion, reduced emissions and improved safety for citizens.

The solution offers:

- High resolution data
- Signal optimization
- Corridor management
- Priority signaling
- Continuous near real-time data
- Smart parking

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Smart Communities: Intelligent Video

Increase operational efficiency and awareness with advanced edge analytics.

- Cameras record high-quality video.
- Data is stored locally, helping to manage streaming costs.
- Edge analytics identify activity and trigger alerts.
- Video analytics improve decision making.
- Only relevant video clips are sent to the cloud.
- Intelligent Video Management System archives video.
- Service covers licensing, support, cloud and network.

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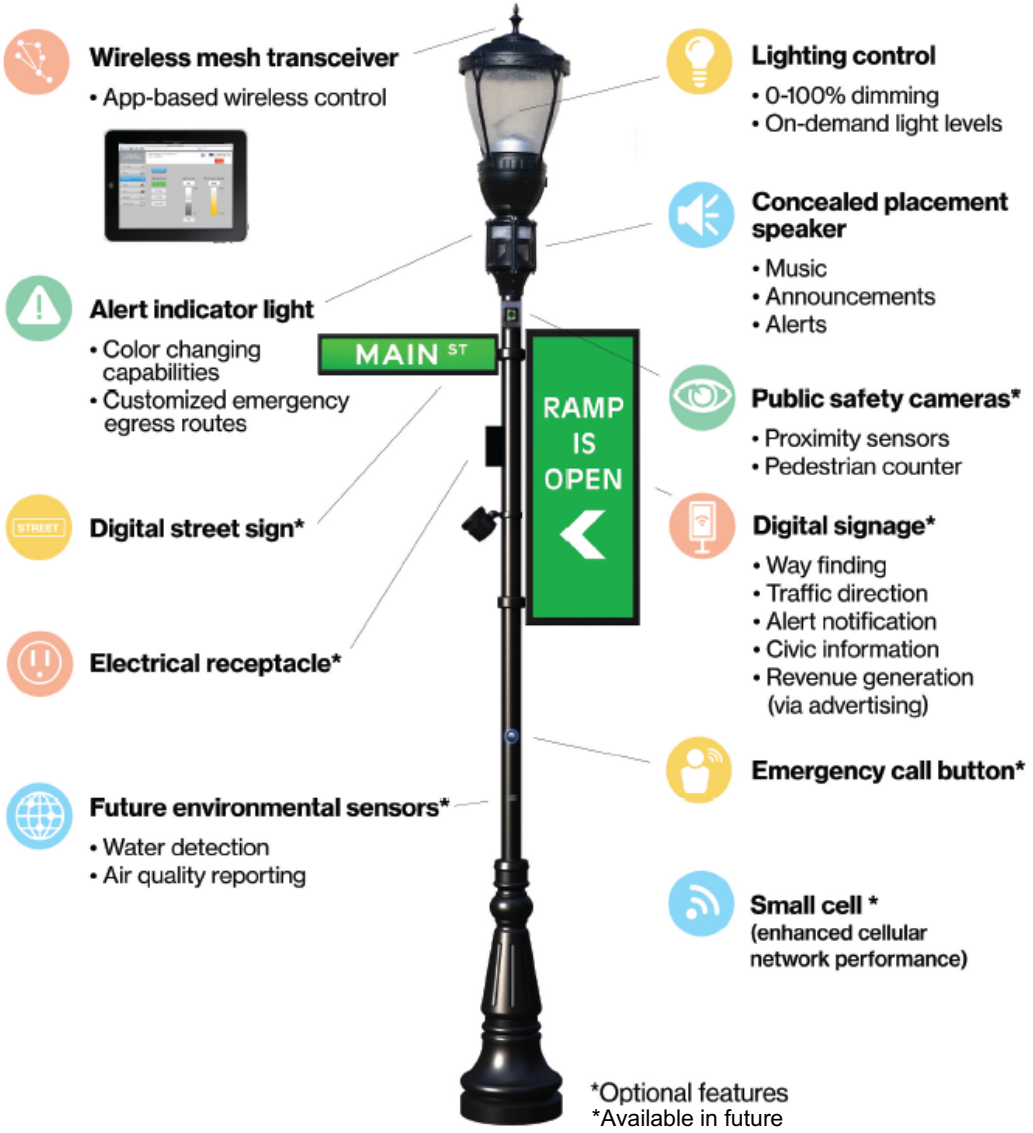
Decorative Lighting with Banners & Sensors

- LED lighting
- Energy analytics
- Public safety features and alerts*
- Sensor Integration*
- Digital signage and audio*



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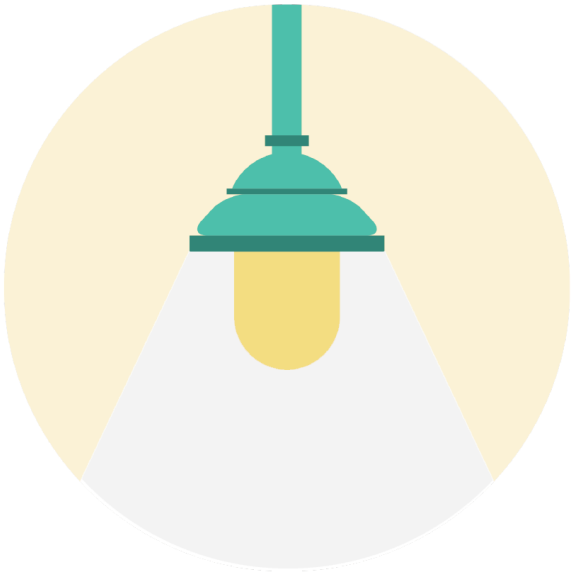
Smart Communities use case: intelligent streetlights

Customer profile

A midsized city in the U.S. Midwest



Challenge

The city needed to save on energy bills while creating a safe, sustainable, pedestrian-friendly environment. It also hoped to create an environment where local businesses could thrive.

Customer strategy

The city decided to retrofit all of its streetlights to LED.

Our IoT solution

We provided connected LED streetlights, as well as additional features such as:

- Digital signage
- Emergency call stations and evacuation routing
- Environmental analysis
- Public announcements capability

Result

The city has reduced energy use by up to 70%, improved lighting quality and decreased operations and maintenance costs by up to 60%.

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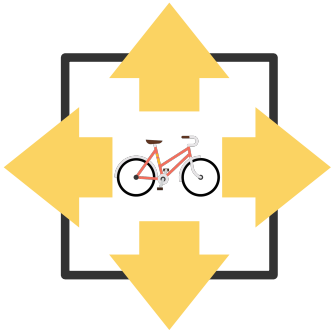
Verizon Share

Powered by our reliable 4G LTE network

Search, reserve and access assets using mobile devices

Integrated hardware, mobile application and security



End-to-end flexible and scalable platform

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