

MAYOR'S INNOVATION PROJECT

SMART CITIES

Josh
Naramore
Mobile GR Director
**Mobile GR &
Parking Services**
CITY OF GRAND RAPIDS

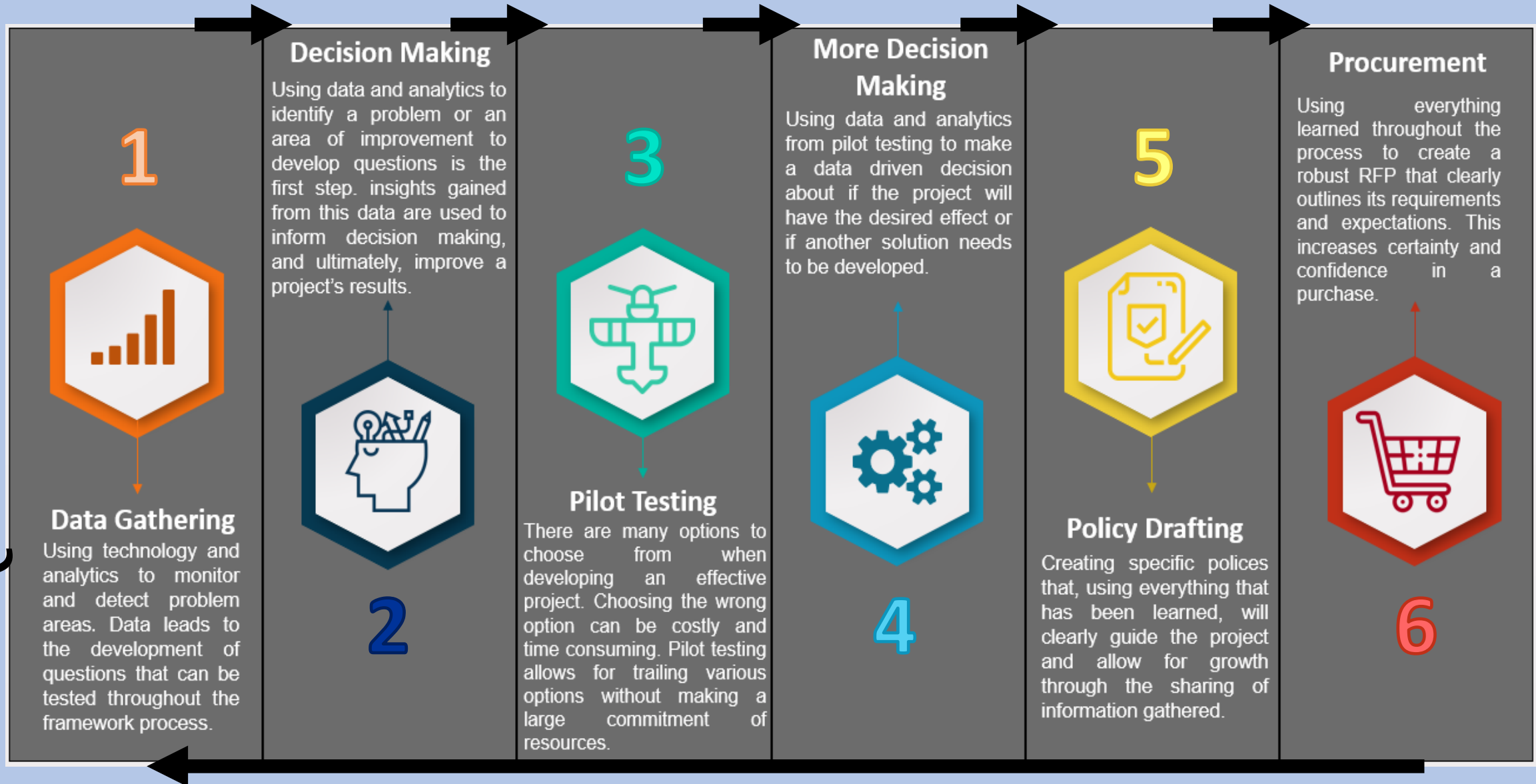


An aerial photograph of Grand Rapids, Michigan, taken at dusk. The city's skyline is visible in the background with various buildings illuminated. In the foreground, a large, modern building with a white, curved roof is situated along the waterfront. The water reflects the city lights, and a bridge is visible in the distance. The sky is a deep blue, transitioning from the light of the setting sun.

How do we define
Smart City
Grand Rapids?

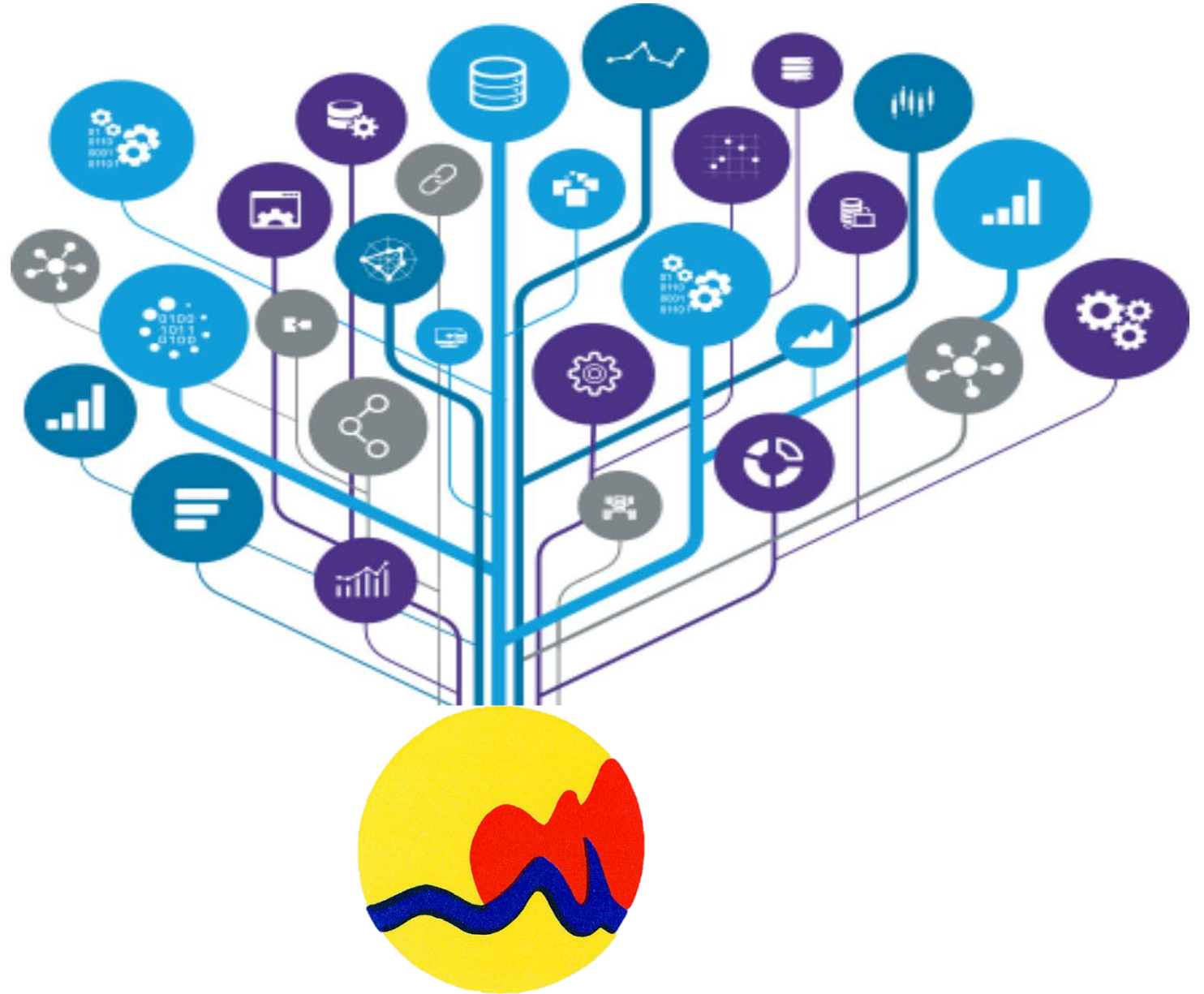
SMART CITY POLICY FRAMEWORK

EQUITY LENS



Iterative Process

1ST PHASE: DATA COLLECTION



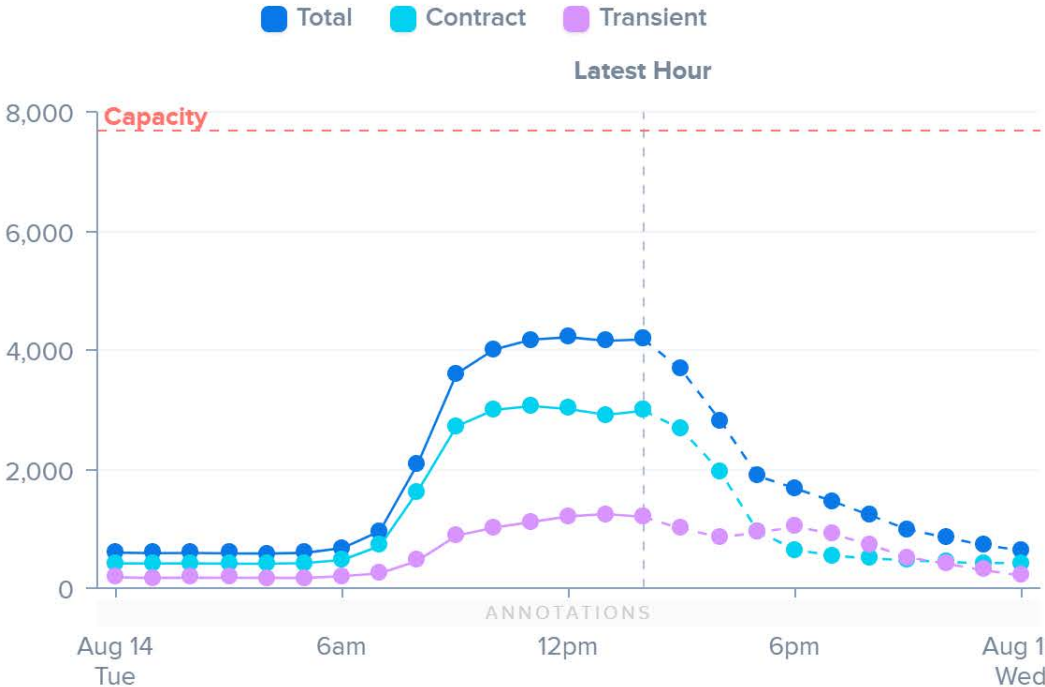
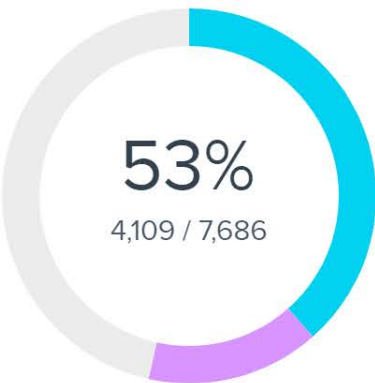


- OVERVIEW
- OCCUPANCY
- REVENUE
- DURATION
- OVERSELL
- ONLINE RATE SURVEY
- BUDGETS



smarking

Realtime Occupancy



Key Statistics

Show **Total** statistics for **Yesterday** compared to **Aug 14, 2017**

Revenue	Transactions	Revenue/Trans.	Peak Occupancy
\$13,227	8,158	\$3.77	4,084 (53%)
Last Year: \$8,602	Last Year: 7,244	Last Year: \$3.73	Last Year: 3,459 (45%)
\$4,625 (54%) ↑	914 (13%) ↑	\$0.04 (1%) ↑	625 (18%) ↑
Transient only			

Revenue Benchmarks

Aug 2018

This Year

Month-to-Date **\$139,704**

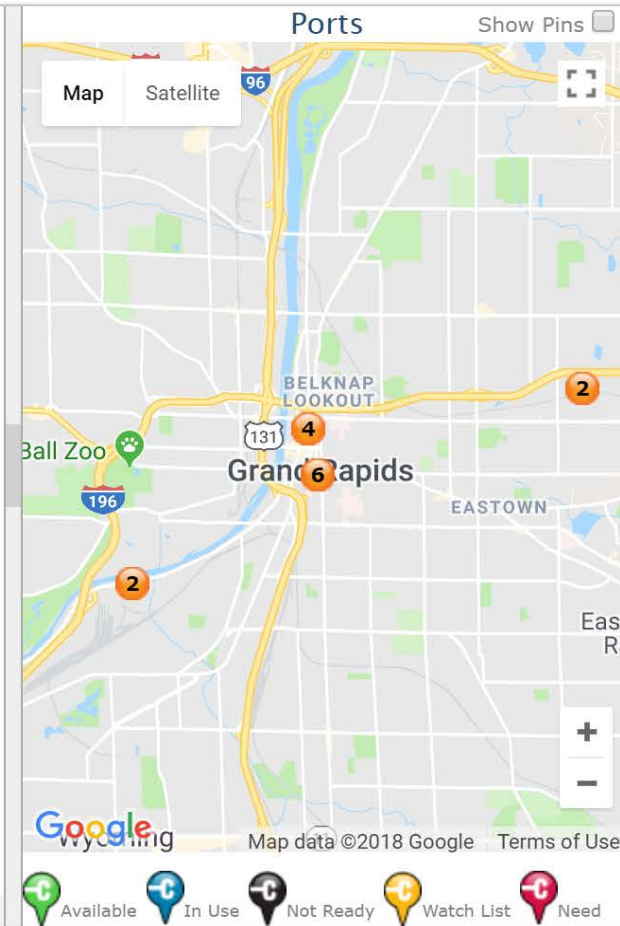
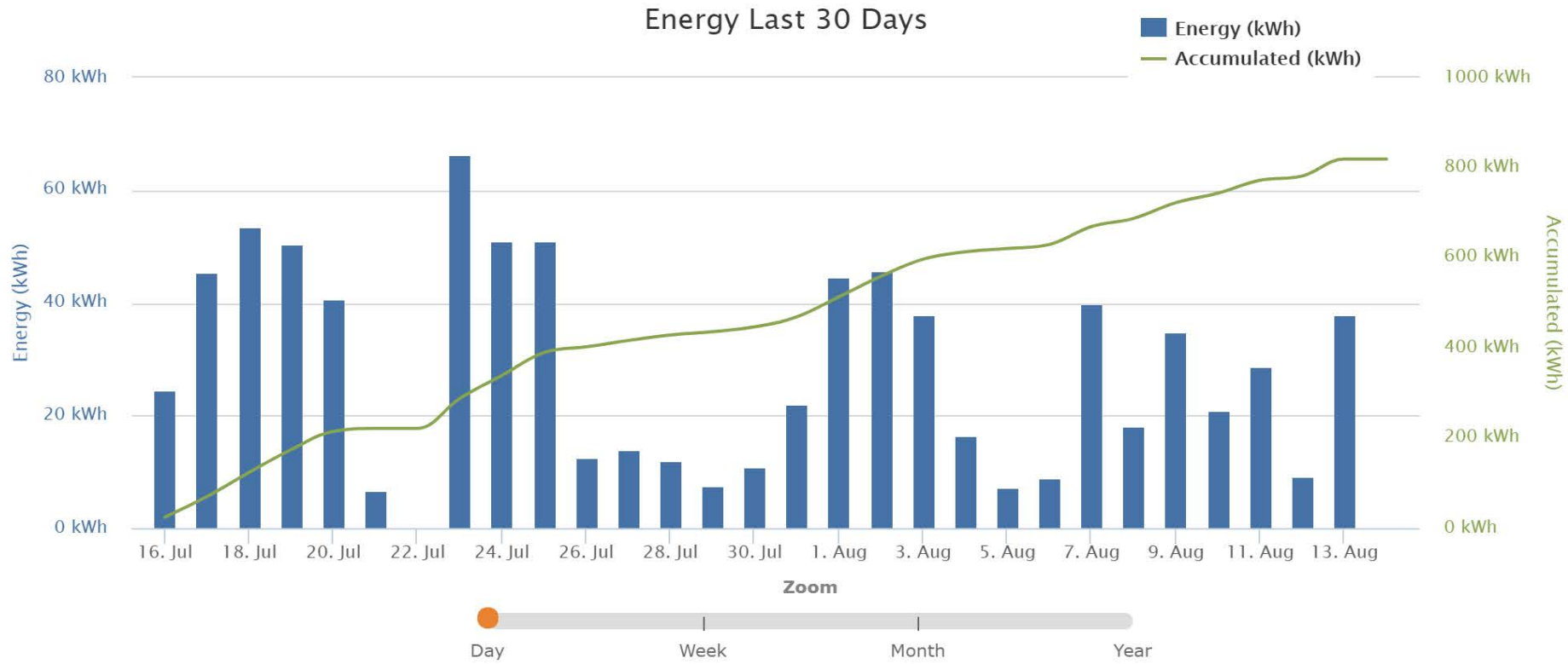
Budgeted [Click Here to Set Your Revenue Budgets](#)

Last Year

Month-to-Date

Analytics Chart

 View Energy By Time Period Last 30 Days Update --Export--



Filter

Filtered: None



Parking Enforcement Rates & Times

Disabled Parking Meters



Electric Vehicle Charging Station



Parking Meters/Spaces

Meter Rates

- \$1 /hr
- \$1.5 /hr
- \$1.75 /hr

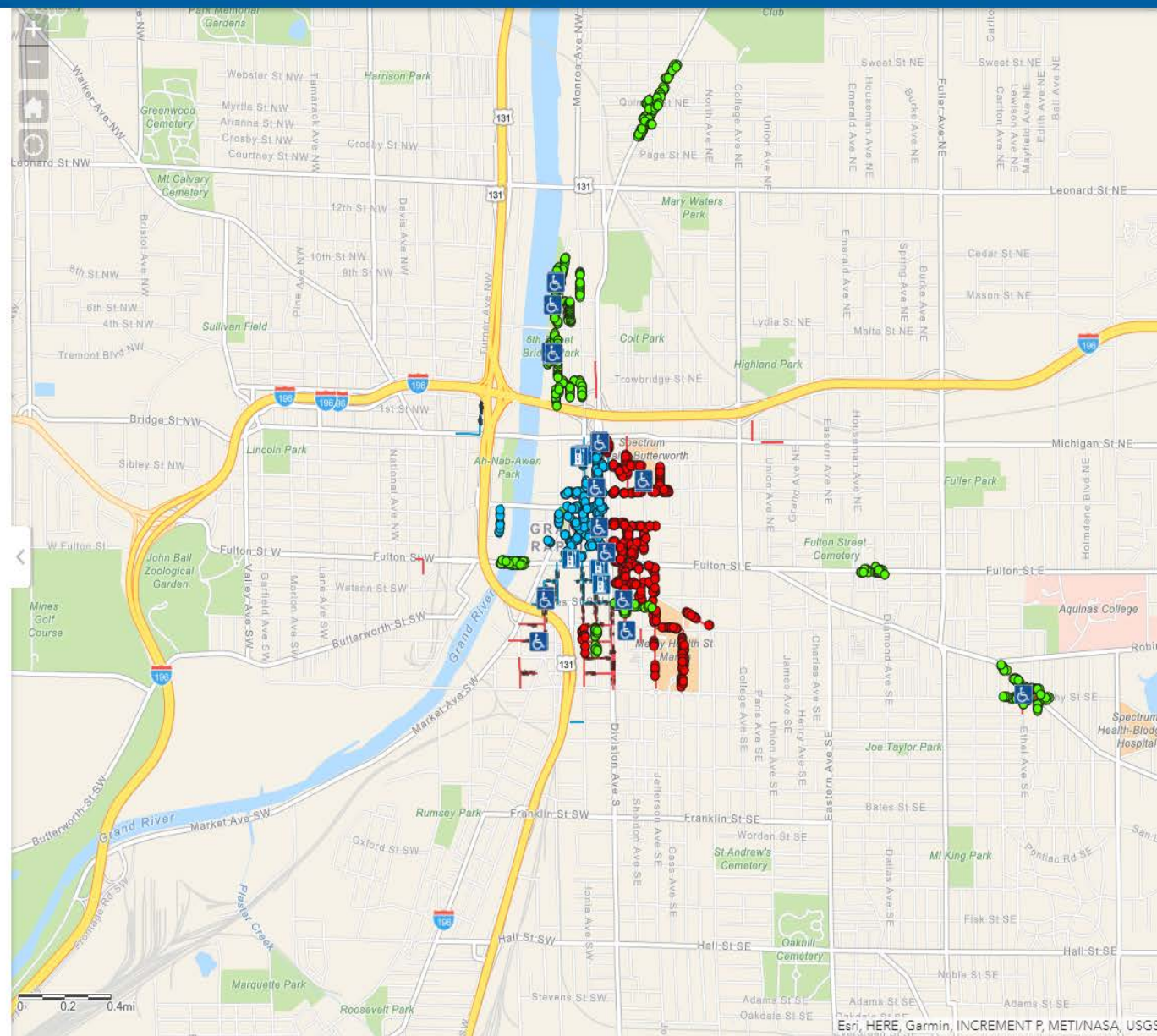
Parking Spaces

- \$1/hr
- \$1.5/hr
- \$1.75/hr

Enforcement Times

Enforcement Days & Times

- 8 am - 5 pm; Monday - Friday
- 8 am - 6 pm; Monday - Friday
- 8 am - 6 pm; Monday - Saturday
- 8 am - 8 pm; Monday - Saturday
- 9 am - 3 pm; Monday - Friday



GRData



This is our community platform for exploring and downloading open data. We encourage you to discover and build apps. We hope you engage this data to solve important local issues. You can analyze and combine Open datasets using maps, as well as develop new web and mobile applications. Let's make our great community even better, together!

This project is in its initial iteration, and we welcome your feed back on how to improve. We will be publishing new data monthly.

What's New

July 2018

- 2017-2014 Crime Locations
- Fiscal Year 2019 Approved Budget
- Zoning District Data

May 2018

- Preliminary Fiscal Budget FY2019
- City Health Dashboard

Data Categories



Boundaries



Budget

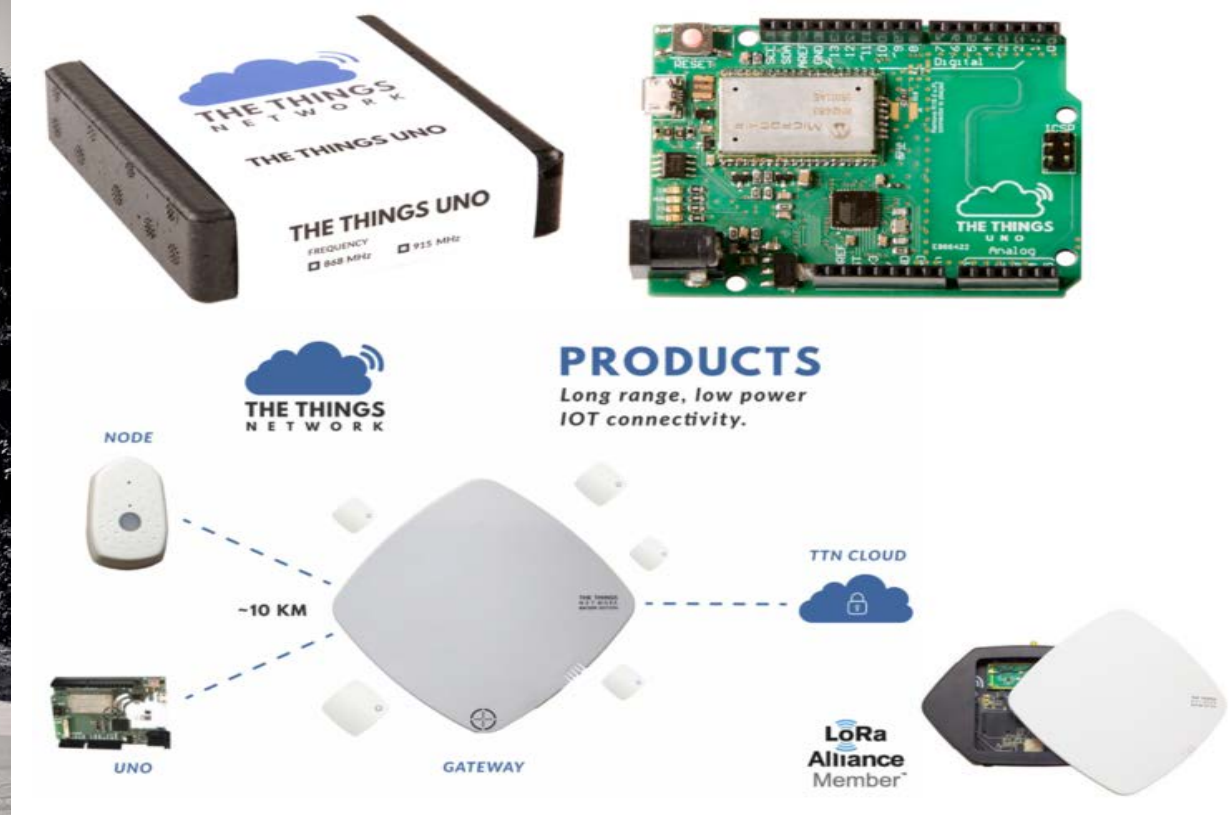


Demographic

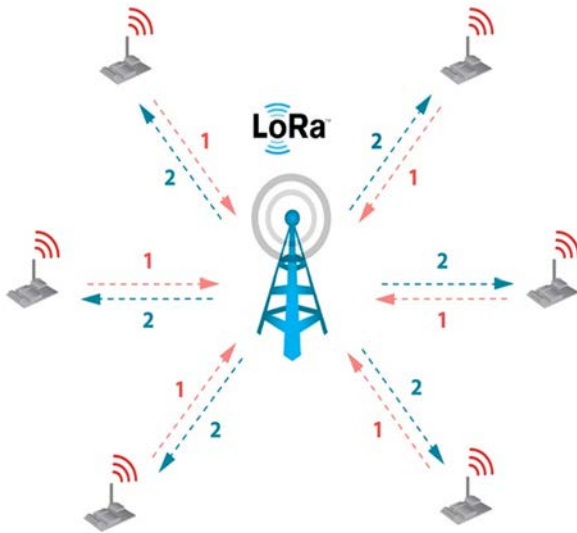
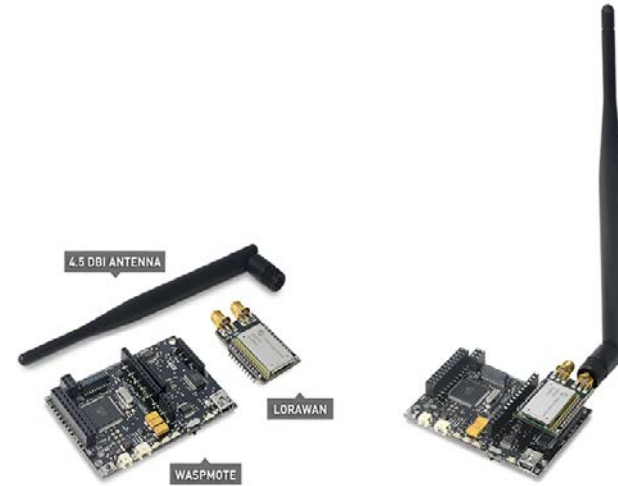
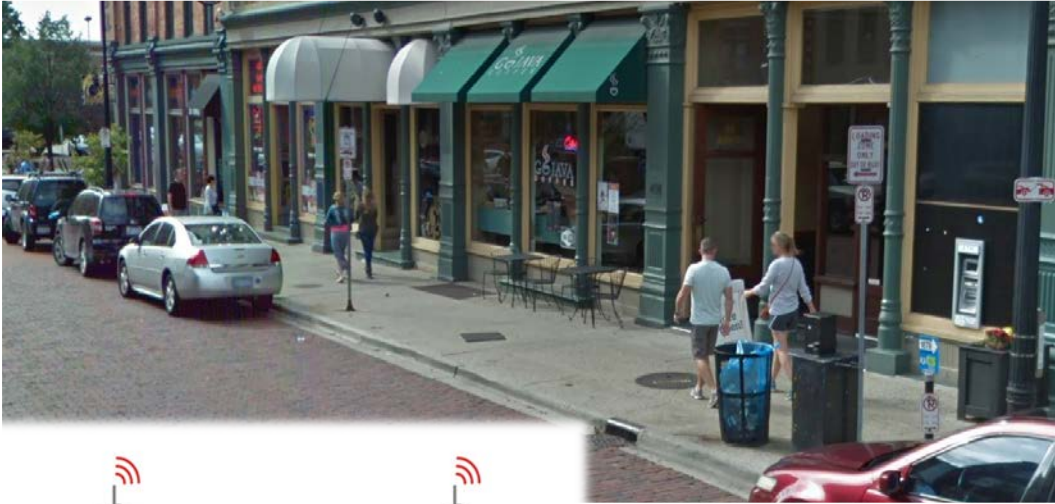


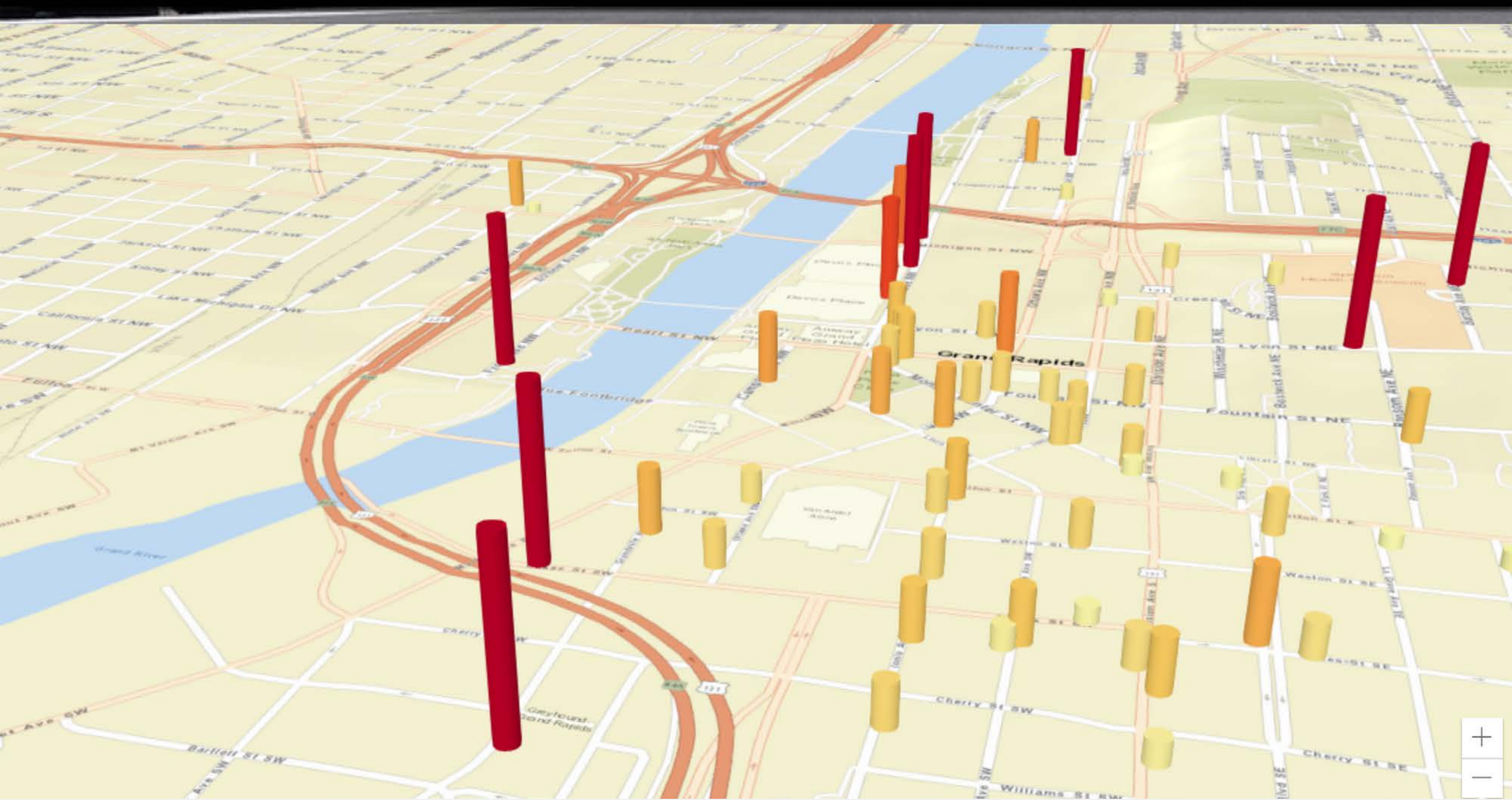
Housing

2ND PHASE: PILOT TESTING



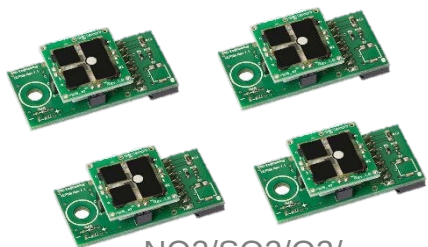
FOOD TRUCKS & LOADING ZONES



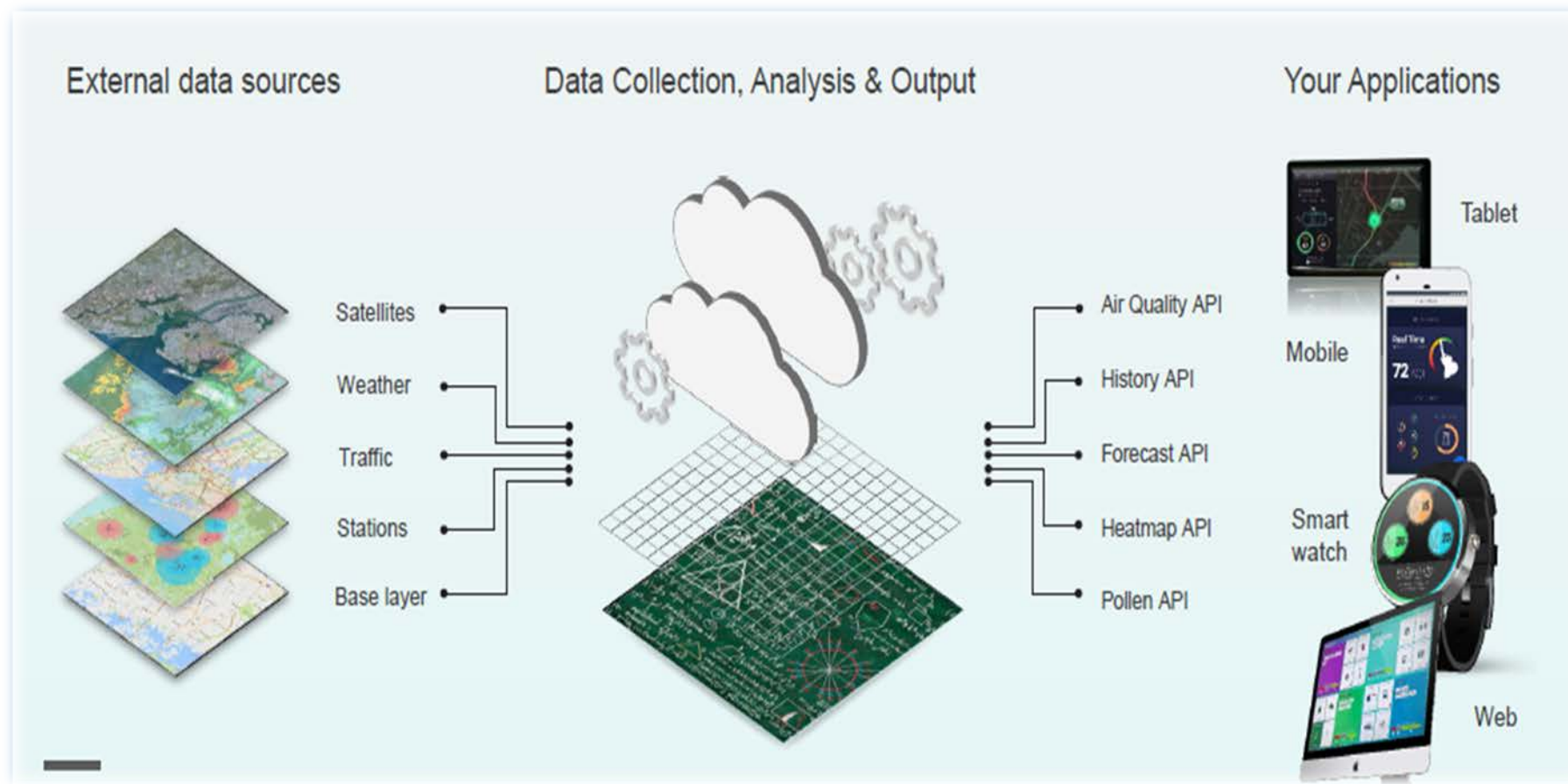


GRAND RAPIDS BREATHE PROJECT

MULTI-LAYERED SYSTEM & CONSORTIA:

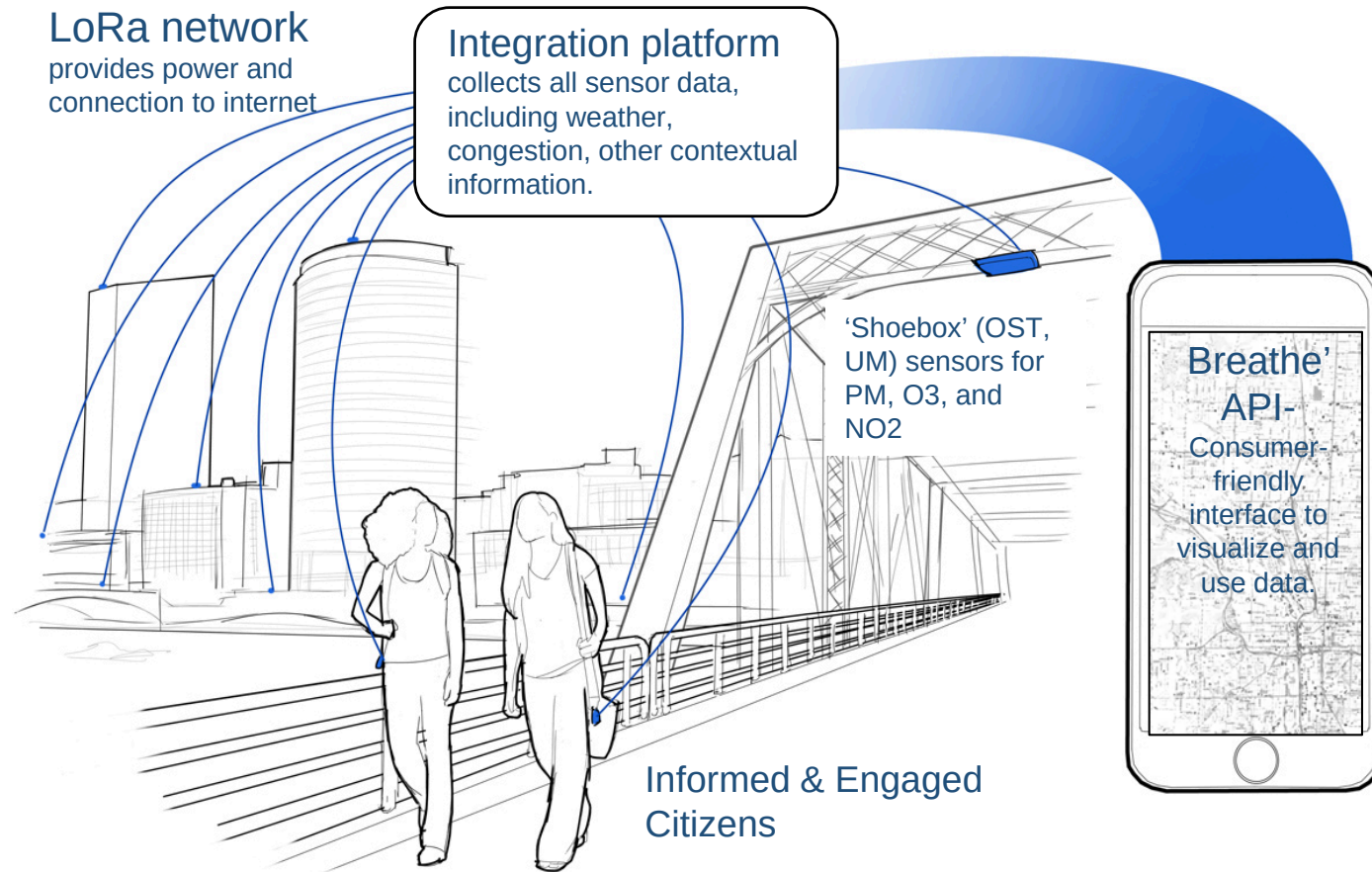


NO₂/SO₂/O₃/
PM_{2.5} Sensors



GRAND RAPIDS BREATHE PROJECT

MULTI-LAYERED SYSTEM:



BENEFITS:

City of Grand Rapids:

- Livability index
- Establishing pollution 'safe zones'
- Incentives for clean mobility
- Smart routing to improve problem areas.
- Enforce 'safe zones'; Schools, Hospitals, etc.

Consumers:

- Clean routes, activity planning
- Transparency of city/business action and results
- Health alerts and notifications for 'at risk' consumers

Business community:

- Sustainability goals and reporting
- Informing, confirming effective air-quality devices/air-treatment solutions
- Healthcare notifications and analysis
- Open platform for 'smart city' innovation



11/8

Members

Get 8 Members on board

Invite people



4/2

Gateways

Connect 2 gateways

Place gateway



2/2

Exposure

Let your presence be known

Go to forum post



1/1

Communication channel

Create a channel for internal
communication

Go to channel



Celebrate !

Celebrate !

Unleash Grand Rapids and
become an official community
of The Things Network

Unleash !

PHASE 3: POLICY & IMPLEMENTATION





City of Grand Rapids

What are you looking for?



Welcome to **grpayit**



The new, official way to pay your Grand Rapids bills. Pay and manage your Water, Property Tax, Refuse and Parking Tickets.

Get Started

Welcome to

The City of Grand Rapids

I WANT TO

NEWS

EVENTS



Start water and sewer services

Did you recently move or purchase a new home? Apply to start your new services.



Request waste services

Do you need someone to take care of your trash removal? We'll take care of all your waste needs.



Register for adult softball

Sign your team up for adult softball this summer.

FUTURE SMART PROJECTS



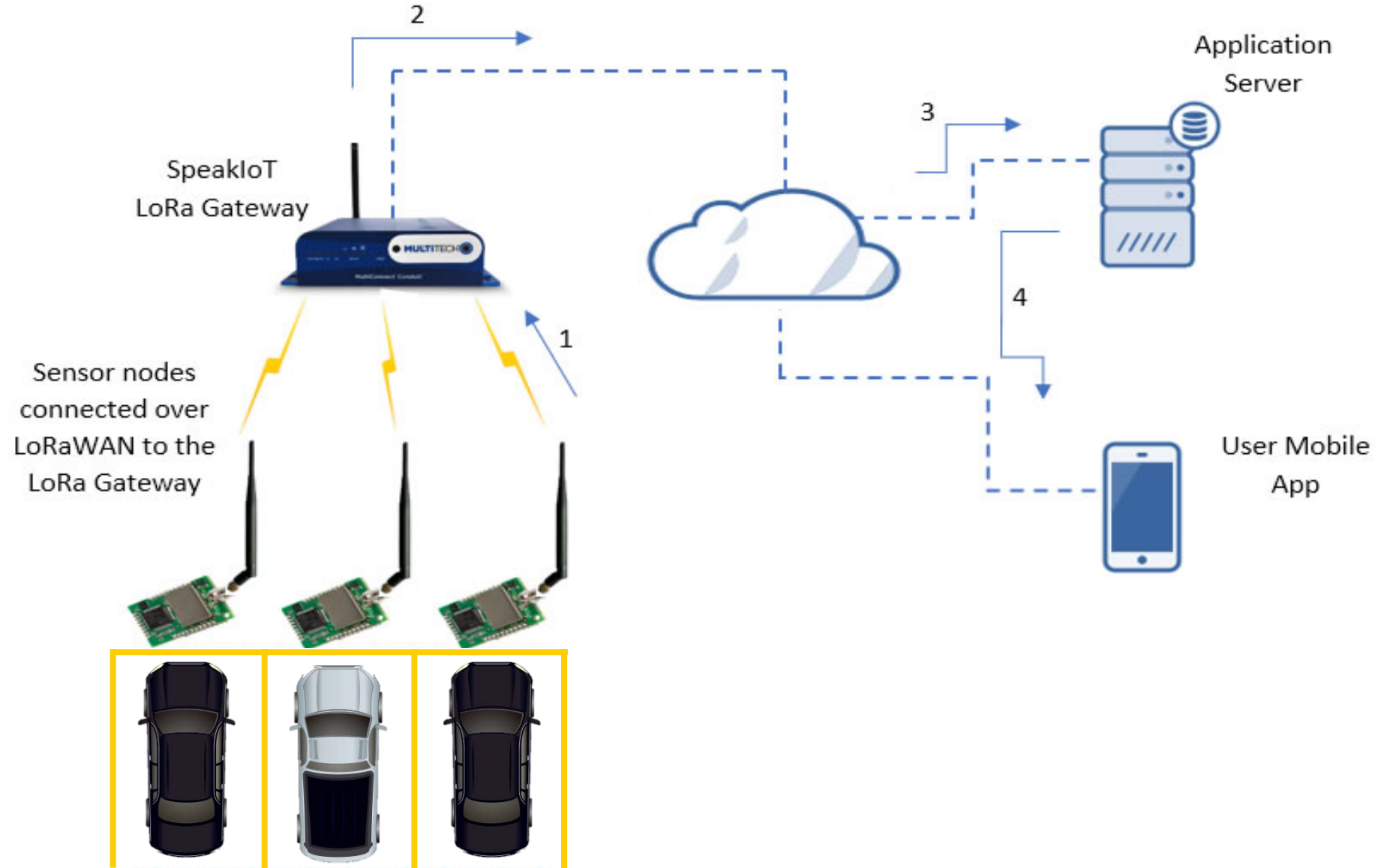
SMART TRANSPORTATION INFRASTRUCTURE



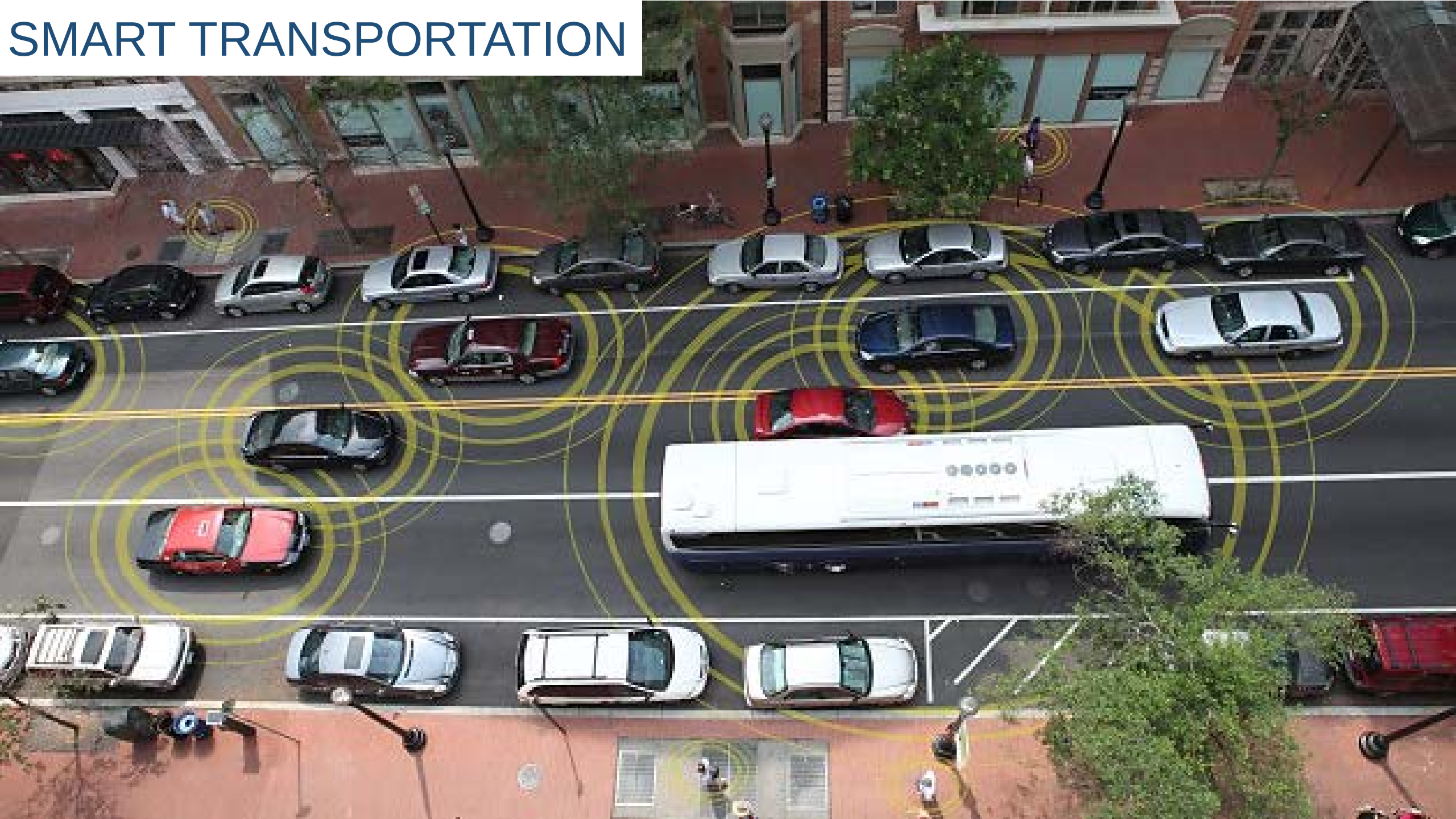
CITY OF
GRAND
RAPIDS



SMART PARKING



SMART TRANSPORTATION





Mobile GR & Parking Services

CITY OF GRAND RAPIDS

Contact Info:

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