



# Microsoft Digital Alliance for Smart Cities

# PARTNERING

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- The City of Charlotte has partnered with Microsoft in a three-year digital alliance and smart city initiative as part of Charlotte's sustainable city strategy.
- Charlotte is only the **second city in the nation** to engage in such a comprehensive partnership with Microsoft.
- The agreement aims to improve city services through emerging technologies, support digital literacy and promote STEM workforce development.

# INITIATIVES ALIGN WITH CITY PRIORITIES

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- Each of our five targeted pilot initiatives are aligned to the city's strategic priorities:
  - Workforce and Business Development
  - Transportation, Planning and Environment
  - Great Neighborhoods
  - Safe Communities

# TARGET INITIATIVES

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## Public Safety and Traffic Congestion



## Smart Street Lighting

### Safe Communities:

To improve community safety the city and Microsoft are working with a technology partner, Genetec, to deploy infrastructure that enhances information sharing by providing access to multiple sources of data through a single pane of glass. Expand agency data sharing capabilities, increasing situational awareness.

### Discovery: December 02, 2019

Another strategy to improve public safety is the utilization of smart street lights. Duke Energy is currently deploying LED lighting in neighborhoods to reduce energy consumption and cost of providing the services.

We've identified the north end smart district as a great pilot location for LED lighting.

### Discovery: November 17, 2019

# TARGET INITIATIVES - CONTINUED

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**Public WIFI access**

## Great Neighborhoods

The initiative will also focus on improving the quality of life for Charlotte residents by providing public Wi-Fi spots to help close a critical gap in the digital divide by providing internet access for those who may currently not have access.

Partnering with Planning, Development, and Design to identify the appropriate public spaces to pilot Wi-Fi.

**Discovery: February 12, 2020**

# TARGET INITIATIVES - CONTINUED

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## Smart/Connected Transit

### Transportation, Planning and Environment

To enhance rider experience, the city will rollout a pilot for smart transportation, by equipping a small number of transit vehicles with public Wi-Fi hotspots to enable riders to choose how they use their commute time (work, play, relax).

Internet access on public transit has the added benefit of making people more productive on their way to work and substantially increases the benefit for commuters to ride the bus, taking cars off the road and reducing congestion.

**Discovery: February 3, 2020**

# TARGET INITIATIVES - CONTINUED

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## Workforce Development, Skills training, upward mobility

### Work force and Business Development

This partnership with LinkedIn Learning centers on skills development and upward mobility as the cornerstone.

The city is already working to deliver a pilot training program to help current city employees advance into new roles as well as help potential employees get the skills they need to obtain jobs.

### Pilot Period: January 7<sup>th</sup> and runs through March 2<sup>nd</sup>

Future phases of the program could feature partnerships with local job agencies and corporations to create a talent pipeline for new opportunities.

# WHERE ARE WE

**City-wide kickoff & discovery scheduled for February 12, 2020**

| Initiative                         | Status   |
|------------------------------------|--|
| • Smart Street Lighting            | <b>Discovery: November 7, 2019</b><br>Partnership with Duke Energy. LED and intelligent lighting   |
| • Connected Transit                | <b>Discovery: February 3, 2020</b><br>Initial discovery call with Microsoft and partner  |
| • Public Safety/Traffic Congestion | <b>Discovery: December 2, 2019</b><br>CMPD to evaluate the benefits of piloting an integrated tool like CitiGraf for real-time situational awareness   |
| • LinkedIn Learning                | <b>Pilot: January 7<sup>th</sup> and runs through March 2<sup>nd</sup></b><br>Focus of professional development: <ul style="list-style-type: none"><li>• Recent Quest graduates (25)</li><li>• Career Pathways (25)</li><li>• Technology (TBD)</li></ul> |
| • Public Wi-Fi                     | <b>Discovery: February 12, 2020</b>  |

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THANK YOU FOR YOUR TIME

# COMMUNITY ENGAGEMENT

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City of Charlotte is also celebrating its digital leadership through a series of community engagement efforts in partnership with Microsoft:

- **YouthSpark AI** (increase access to tech education and skills training)
- **DigiGirlz High-Tech Camp** (provides high school girls the opportunity to learn about careers in tech.)
- **Minority Student Day** (provides high school students to learn about the latest technology)
- **Microsoft for Startups** (helps founders grow a favorable customer and revenue base)
- **Hackathons** (two (2) start-up and tech Hack-a-thons focused on innovation)
- **Digital Literacy Training** (host a minimum of two (2) digital literacy workshops for transitioning members of the workforce and/or local veterans)