

AT&T Smart Cities Framework & LTE-M Deployment

AT&T Smart Cities framework uses a secure, holistic approach to helping cities improve functions like transportation, lighting, safety and sustainability.

Smart City Framework/Alliance

- Over the past few months, AT&T has worked with their spotlight cities to identify their unique challenges. AT&T developed a comprehensive strategy to tackle them and is currently deploying solutions in three spotlight cities: Miami-Dade County, Atlanta and Chicago.
- Miami-Dade County is the first to launch AT&T's Smart Cities Operation Center. The platform gives municipality leadership visibility of their communities' conditions—all from one location and in near-real time.
- In Atlanta the area of focus for the city is intelligent lighting. Together with GE and Georgia Power, the largest subsidiary of Southern Company, AT&T is working to bring intelligent LED lighting solutions to the city that will ultimately help improve public safety conditions and create greater efficiencies, including maintenance costs. GE and Southern Company are both members of the AT&T smart cities alliance.
- In Chicago the focus area is keeping Chicago residents and tourists more productive, engaged and informed as they move about town. The solutions rolled out in the first half of 2017 include:
 - Smart digital transportation boards in Chicago O'Hare International airport – The smart digital display will help travelers with their ground transportation planning. Boards located near airport baggage claim will show the fastest and lowest-cost routes into the city. Reliable AT&T network connectivity will source real-time information so travelers can determine their best mode of transportation.
 - Connected bus shelters in several Chicago communities – Connectivity will increase productivity and help create a safer, more inviting environment. Select bus shelters will have free Wi-Fi, intelligent lighting and digital displays to inform commuters of the next bus arrival.
 - Interactive touch-screen information kiosks – Chicago has many popular tourist spots, but the city also has hidden gems. The kiosks will help visitors find local points of interest, and directions to get there. The kiosks will also feature USB charging ports and offer free public Wi-Fi services.

AT&T's LTE-M Deployment

- In May 2017, AT&T completed deployment of its U.S. nationwide LTE-M network. The network will enable a new generation of Internet of Things (IoT) devices and applications.
- Advantages of LTE-M over traditional IoT connectivity options include: Longer battery life (expected up to 10 years), better coverage for IoT devices underground and deep inside buildings, reduced module size (as small as 1/6 the size of current modules).
- LTE-M supports large-scale IoT deployments such as smart city services, smart metering, asset tracking, supply chain management, security and alarm monitoring and personal wearables.