AT&T Smart Cities
Digital Infrastructure
with Current, powered by GE's CityIQ™

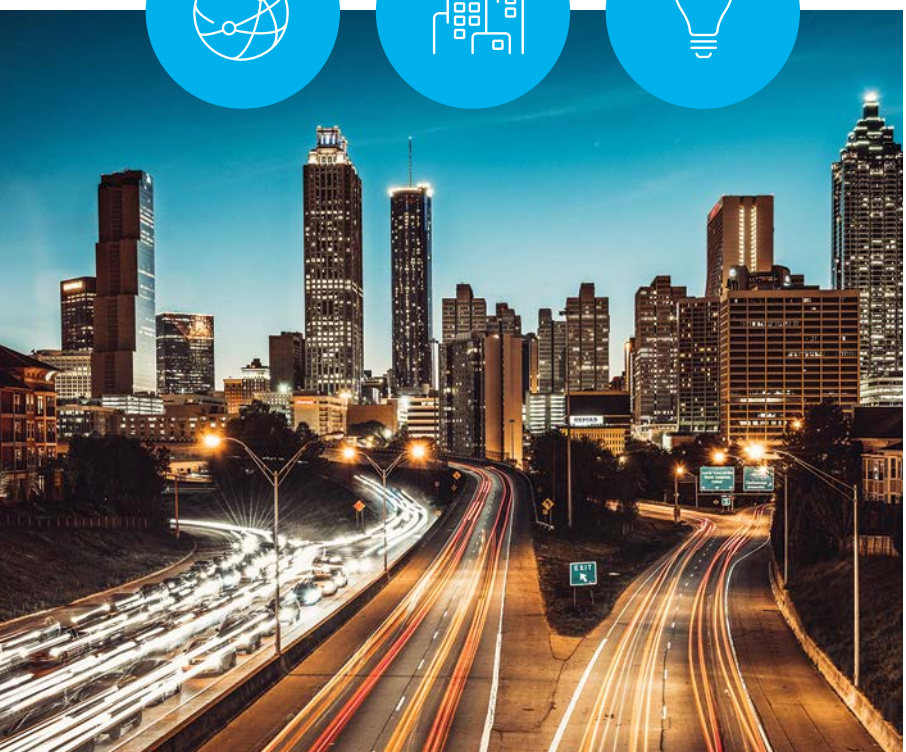
Smart Cities Digital Infrastructure

What if a street light was capable of more than simply illuminating the street? Imagine a lamp post that could help lower civic costs, increase efficiencies, drive economic growth, engage citizens, and improve city life in ways never imagined. AT&T and Current, powered by GE, have developed a digital infrastructure solution that utilizes existing lighting networks to connect cities across the United States and Mexico to the Internet of Things (IoT). With the ability to help improve transportation, public safety, air quality, pedestrian flow, and parking enforcement, the possibilities are endless on what a Smart Cities Digital Infrastructure can bring to city life.

How does a Smart Cities Digital Infrastructure work?

Single pieces of hardware with integrated sensors and IoT digital infrastructure are affixed to lamp posts, where they can harness data and deliver secure, actionable insights about the environment. By utilizing public application programming interfaces (APIs), the solution provides near real-time information that can be used to automate systems and optimize the performance of the other *things* connected to the municipal grid. The solution utilizes the AT&T cellular network and secure cloud connections, and the data collected offers nearly unlimited opportunities for improvements.

A Smart Cities Digital Infrastructure makes it easy to leverage any existing city lighting infrastructure. The intelligent node includes universal hardware that is ready to mount to any pole, almost anywhere.



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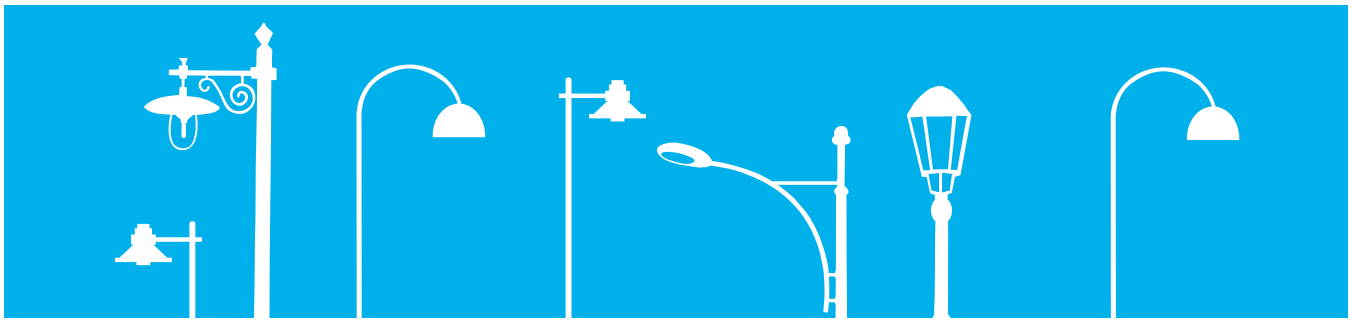
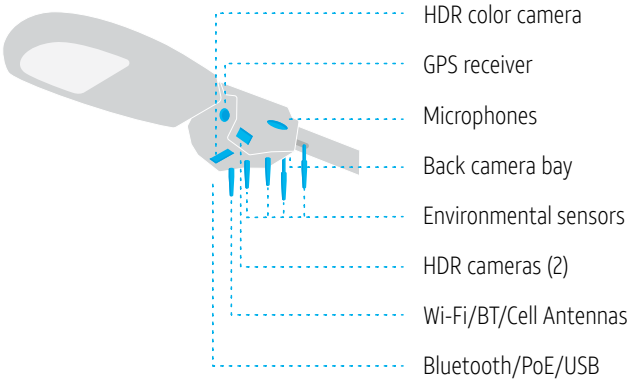
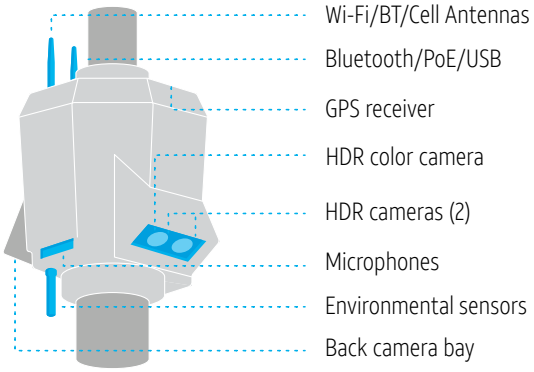


Universal intelligent nodes fit almost any style street lights

Bright futures for smart cities

Cities have limited budgets to address single solutions to issues such as parking, traffic, gun violence, or air quality. A Smart Cities Digital Infrastructure provides the IoT platform to address multiple needs. CityIQ's unique intelligent node, which is embedded with many sensors, is extensible through over-the-air upgrades of analytics, connections to neighboring devices, and in its ability to do multi-sensor fusion, all over a secure cloud connection. By transforming city lighting into an all-knowing data intelligence network, cities can enlist the greater community to help solve civic issues. Citizens, developers, start-ups, universities, entrepreneurs, and companies with niche expertise can bring ideas to the table, and intelligent node sensors can be used to bring concepts to life.





Imagine that the streets and sidewalks of your city are like the nervous system in your body. At any one moment, millions of actions are taking place. There are cars racing by, people crossing the street, and lights changing. Being able to capture information from the intelligent nodes and quantify activity is akin to putting your finger on the pulse of the city. This citywide digital infrastructure is the foundation to drive various outcomes across multiple departments, enable new revenue streams, and unleash the exponential growth of an app economy.

APIs make the vast amount of sensor data actionable through the cloud. These open yet highly secured APIs deliver real-time intelligence to cities, allowing them to enhance their open data policies and begin civic engagement models. Just imagine. No longer will city leaders have to solve every problem on their own with

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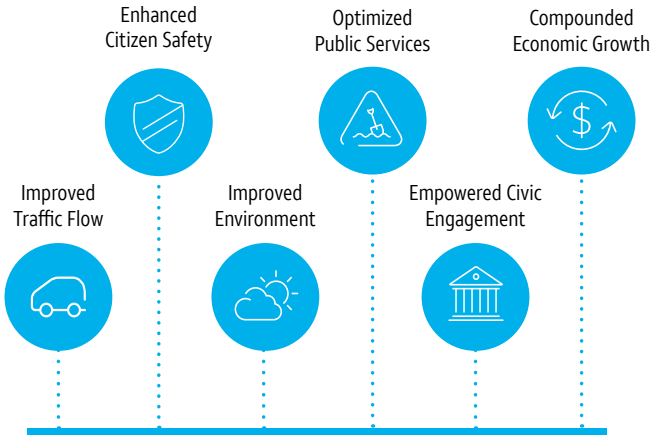
limited resources. They can instead enlist the greater community to help them solve tough issues, create new revenue streams, drive economic development, and make their city a better place to live, work, and play.

"Fostering innovation and improving infrastructure are important to enhancing the lives of all San Diegans. This new technology will give the City and developers the opportunity to make our neighborhoods safer and smarter."

– San Diego Mayor Kevin L. Faulconer

Think of the possibilities for cities that leverage CityIQ's open, interoperable IoT platform to build its digital infrastructure to capture near real-time, ubiquitous data. From reducing traffic congestion, increasing pedestrian safety, and driving new economic development to reducing gun violence and providing city-wide Wi-Fi connections, a Smart Cities Digital Infrastructure can help transform your city.



Benefits

- Cost avoidance through new efficiencies
- Improved public services
- IoT curriculum for schools
- Economic growth through new business and job creation
- Civic pride and enthusiasm
- Ability to tackle problems with unprecedented speed and scale
- Flourish from App Economy

Learn more about what Smart Cities Digital Infrastructures can do for municipalities.

AT&T network

The AT&T network supports integrated systems with a single, highly secure network with nationwide service and redundancies. Take advantage of our progressive and ever-improving network to drive innovation for your business.

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