



An All-in-One Solution to Meet Your Digital Infrastructure Needs

Smart City Solutions for Communities of All Sizes



OUR VISION

Itron is a leading global provider of smart energy, water and future-ready city solutions, with +200M industrial IoT devices delivered globally, across thousands of cities and utilities.

Itron helps cities and utilities to connect, manage and control all the assets they care about, and our data-driven solutions enhance efficiency, sustainability and quality of urban life—paving the way to build more resilient communities through digital infrastructure.

OUR SMART CITY SOLUTION IN A NUTSHELL

Itron’s smart city solutions are standards-based, enterprise grade, open innovation platform enabling customers to understand what is happening across their territory in real- time and build intelligent analytics and automation to enhance city services and optimize costs.








It is comprised of three key elements:

Intelligent Connectivity – Multi transport, secure, private, and resilient IoT connectivity, including mesh, private and public cellular, LoRaWAN, fiber and more.

Flexible device and data management platform – Visualize data from all IoT devices – including streetlights, meters, EV chargers, and a wide range of sensors to monitor traffic, environmental, and public safety conditions among others - in one location, and build intelligent analytics and automation.

Global marketplace of third party IoT solutions – Accelerate your smart city initiatives leveraging sensors and applications from leading vendors on Itron’s platform.










 CITY OF COPENHAGEN	76% ENERGY SAVINGS	
 PARIS	99.5% RELIABILITY	
 CITY OF CHICAGO INCORPORATED IN 1837	\$100M OPERATIONAL SAVINGS	
 BRENT CITY	 Brent	62% LOWER CO2 EMISSIONS
 CITY OF MIAMI FLORIDA	 FPL	ELIMINATED TRUCKS DURING HURRICANE RESTORATION



BENEFITS FOR CITIES AND COMMUNITIES

Our services will help you reduce operating costs, lower carbon emissions, create safer neighborhoods, and enhance both equality and quality of life for all citizens.

USE CASES

	Economic Viability	Quality of Life	Environment
 Smart Street Lighting Energy-efficient LEDs connected through smart controls help cities:	Drive operational efficiencies and lower municipal energy bills	Address crime and improve safety	Reduce energy waste
 Wastewater Management Transform utility instrumentation into active sensor nodes to manage wastewater levels and flow patterns:	Reduce operational costs and avoid fines for illegal discharge	Improve public health	Avoid pollution to local ecosystems and reduce truck rolls
 Air Quality Management Monitor a range of environmental data to help communities precisely identify the patterns and sources of pollution:	Improve operational efficiency	Reduce the impact of air quality related health issues	Reduce GHGs and other pollutants
 Water Leak Detection Pinpoint high flow rates, continuous flow and other leakage indicators:	Reduce the cost of service delivery through proactive maintenance and eliminating non-revenue water	Help consumers manage usage and save money	Conserve water and reduce chemicals used for treatment
 Smart Parking Monitor available parking spaces and guide drivers to their ideal parking location:	Increase enforcement revenue, increase traffic to retail	Minimize search times and improve the experience for drivers	Reduce traffic and vehicle emissions
 Traffic Management Keep people and goods moving quickly, safely and efficiently on the roadways:	Drive traffic to local businesses and provide data to retailers	Avoid congestion, reduce commute times, and monitor social distancing when required	Reduce emissions and optimise traffic flow based on pedestrian density
 EV Fleet Management Streamline fleet charging and management, reducing total cost of ownership and:	Plan and optimize EV fleet charging economically	Develop and deploy convenient and reliable EV charging across the community	Reduce emissions and optimize traffic flow

Intelligent Connectivity

For decades, cities have built multiple communication networks to manage the rising demands for energy, water and livability. Itron's intelligent connectivity melds the adaptability, strength, and performance of mesh, with secure private and public cellular networks to provide an integrated multi-transport solution. We're forging a path toward unparalleled communication resiliency to deliver:

- » Application flexibility: Multi-transport connectivity to support diverse use cases.
- » Proven scalability: Proven to scale to support a handful to millions of devices.
- » Proven security: Rigorous end-to-end security ensures trust and safety with multi-layer protection and continuous monitoring.
- » Open standards: Our commitment to the industry's leading open standards increases choice and reduces risk.



Flexible Smart City Platform

- » **Integrate** with multiple IoT device types, network or third-party applications
- » **Customize** the user experience with role-based access and operations
- » **Visualize** your smart lighting and IoT assets in real time
- » **Analyze** historical trends and quickly diagnose issues
- » **Automate** functionality and build in layered intelligence
- » **Optimize** field operations, reducing deployment time and operational costs

Global Marketplace of Third-Party Solutions

Itron recognizes that every community is unique and that no single technology provider can solve every challenge. Itron accelerates the commercialization of new solutions through our Developer Program, a comprehensive framework that unlocks the full potential of IoT. We have invested in building a Partner Solution Marketplace, a diverse ecosystem of solutions designed to address your pressing challenges.





OUR APPROACH

Connect

Lay the Foundation With Smart Street Lighting

Smart lighting can be the ideal first step for your community's digitalization journey – regardless your size. The right industrial IoT (IIoT)-based smart lighting solution can serve as an open, standards-based platform that supports a diverse range of city services and applications under a single intelligently-connected network. Leverage this unified network and data platform for multiple applications for years to come.

Optimize

Deploy Advanced Applications, Scale Quickly, Accelerate ROI

Extend value and services across your community by leveraging our vibrant ecosystem of partner sensors and solutions, already qualified and integrated in Itron's data management platform. For example, add traffic management applications and fine tune lighting schedules based on congestion patterns to enhance safety and streamline energy consumption. Leveraging multiple applications capable of working together on a unified platform enables you to further increase savings, accelerate ROI and enhance quality of life.

Expand

Enable Collaboration Across Your Community

The flexibility and role-based access security of the platform allows cities and utilities to encourage adoption of new IIoT services across multiple departments, driving additional benefits. Challenge barriers to city digitalization with a proven solution designed to help you drive innovation, foster collaboration across silos and improve the safety, sustainability and livability of your communities today and tomorrow.



ENABLE COLLABORATION ACROSS YOUR COMMUNITY

Enable Collaboration Across Your Community

Having validated the business case for expansion, you can leverage our vibrant ecosystem of partners to extend value into new areas. For example, layering on intersection sensors enables traffic management applications, while also enabling you to fine tune lighting schedules based on congestion patterns. With multiple applications on a unified platform enables you to further increase savings while also improving safety.

LEARN MORE

Smarter Streetlights, Smarter Communities

Lay the groundwork for the future of your community with an IIoT-connected smart city platform. Can your streetlights do more for you?



Smart Streetlight Value Calculator

Where's the ROI? Calculate your community's savings and benefits of upgrading to smart lighting.



To learn more visit [itron.com](https://www.itron.com)

We create a more resourceful world

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