





## Integrated Digital Platform

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### Overview

Aggregate, normalize, and analyze a wealth of data from a myriad of connected sensors and city assets. This data helps improve and create services that address citywide challenges.

### Benefits

- Decrease operating and capital costs through new efficiencies and smarter decisions about resource allocation
- Drive economic expansion by providing services that attract businesses and retain professional talent
- Enable money-saving innovations in transportation, education, public safety, tourism, and more

### What It Means for Your Community

The possibilities are almost endless because the integrated digital platform is the core of all our Smart+Connected Communities™ solutions. Read more about your opportunities in each section.

Learn more at [cs.co/cities](https://cs.co/cities)  
#CityDigitization



## Citywide network

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### Overview

Enable anytime, anywhere network access for anyone, encouraging community participation, stimulating local commerce, and fostering innovation in city management.

### Benefits

- Provide residents with greater access to city services, training, and job opportunities
- Enable money-saving innovations in areas such as transportation, utilities, and public safety
- Enhance situational awareness, real-time collaboration, and decision making for city administrators, first responders, and planners

### What It Means for Your Community



#### Connect anywhere to make life a little easier

People can access the Internet in public spaces and on the move to view maps, local business information, or educational content.



#### Bolster local business bank accounts

Location-based services with geo-spatial capabilities offer valuable data to form new insights for planning and economic initiatives, such as:

- Creating a virtual tourist application to improve visitor experiences
- Allowing local merchants to publish targeted offers to anyone on the city Wi-Fi network



#### Keep your neighborhoods beautiful

Data from air, noise, and water quality sensors help inform short-term and long-term response plans.

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## Lighting

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### Overview

Transform LED light fixtures into sensor-equipped, smart devices that dynamically capture data so you can improve safety, services, and commercial zones.

### Benefits

- Reduce energy consumption, costs, and maintenance using LED technology combined with dynamic light controls
- Access to intelligent sensor data, improving situational awareness, real-time collaboration, and decision making across city organizations
- Enhance quality of life and improve resident safety and security

### What It Means for Your Community



#### Increase security in large, public areas

Enhance security, asset protection, and perimeter detection in parking lots and garages, across college and corporate campuses, and on city streets.



#### Understand where everyone's going and make experiences even better

Without having to invest in significant additional infrastructure, analyze data of city areas, such as traffic counts by location or time of day, number of visitors, and visit duration. This offers key information to managers of airports, malls, or business districts about their patrons and facilities use.

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## Parking

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### Overview

Help drivers find available parking faster. That means less traffic congestion and a more effective partnership between cities, residents, local businesses, and parking enforcement agencies.

### Benefits

- Drivers spend less time circling in search of parking, lowering stress and fuel costs
- Communities generate additional revenue through demand-based parking pricing and more accurate ticketing
- Law enforcement officers improve success rates in parking-ticket disputes
- City leaders gain visibility into available spaces to optimize citywide parking slot usage

### What It Means for Your Community



#### Make the visitor experience a city selling point

Help visitors find parking spaces close to points of interest and allow payment via smartphone. Remove uncertainty through online parking rates and policies, navigation guidance, or even enable advanced booking.



#### I spy a parking violation

Parking attendants and enforcement officers use an application that shows live views of violations, including meter, no-parking zones, and loading zones infractions.

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## Traffic

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### Overview

Provide real-time visibility of traffic conditions to detect incidents faster and enable quick response.

### Benefits

- Facilitate faster emergency response through real-time information about the situation and surrounding traffic
- Reduce traffic delays by up to 20 percent
- Analyze historical and ongoing traffic patterns to improve city management practices

### What It Means for Your Community



#### Keep things cruising along

React faster to incidents before they get worse, avoiding congestion and commuter frustration.



#### Say goodbye to bottlenecks

Report traffic incident distribution by time, date, and location to aid in planning. Identify areas with recurring traffic issues and flow problems for corrective actions.

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## Safety and Security

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### Overview

Help protect your city against crime, terrorism, and civil unrest. Enable law enforcement and first responders to more effectively monitor public areas, track incidents, and apprehend suspects.

### Benefits

- Reduce crime through enhanced surveillance and deterrence
- Automate incident detection to speed response
- Allocate resources to the greatest areas of need

### What It Means for Your Community



#### Vigilance amplified

View live feeds from any surveillance camera to assess situations at a location and determine necessary response.



#### Cool off the crime hot spots

Analyze crimes by frequency, type, and location to identify areas with recurring issues and to plan appropriate prevention and response actions.

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## Operations Center

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### Overview

Integrate sensor, map, video, and input data in a single layout to simplify and improve control room operations.

### Benefits

- Monitor small incidents to citywide catastrophes from multiple view points and provide critical information to first responders
- Cut hardware and maintenance costs by eliminating the need for numerous workstations to manage multiple data sources

### What It Means for Your Community



#### Prevent bad from getting worse

Identify a chemical spill at a nearby factory, respond to the incident, secure the surrounding area, and implement expansion prevention, all from the same control location for more effective and efficient response.



#### Get a step ahead of criminals

Monitor suspects or people of interest with pixel on-demand technology that allows smooth, fast-responding zoom in and out and high resolution via hundreds of camera feeds.

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A smart, connected community offers so much more than efficient services and safer streets. Consider the value of improving the essential institutions that make for a healthy and thriving community.



## Education

- Monitor campuses and surrounding locations to deter crime and identify potential threats
- Alert schools to nearby police activity to ensure timely lockdown
- Provide access to educational content and experiences to residents anywhere, anytime



## Healthcare

- Coordinate emergency response with hospitals and clinics during large disasters
- Determine the fastest route or nearest medical facility, depending on traffic patterns
- Help connect health services to remote or underserved populations



## Transportation

- Avoid delays and reroute buses to avoid traffic
- Promote events or services on digital signage at depots or stops
- Improve safety at bus stops through video surveillance



## Retail

- Provide retailers with heat maps of foot traffic to fine tune their offerings
- Promote local businesses to visitors based on their real-time location
- Alert drivers to open parking spots to encourage foot traffic near store locations



## Energy and Utilities

- Coordinate activities with utility crews during outages to provide onsite traffic management
- Help safeguard critical infrastructure via video surveillance and timely response to threats
- Better manage energy consumption to protect natural resources and ensure environmental sustainability



## Sports and Entertainment

- Help streamline traffic flow to and from sporting events or concerts
- Warn drivers of slowdowns and busy exits and intersections prior to events
- Provide online parking information and available slots
- Enable local businesses to promote pre-event specials to attendees via access to citywide Wi-Fi

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