

Panasonic

GOVERNMENT AND PUBLIC SAFETY

Making cities smarter, safer
and more sustainable

The future is now for city governments



See how technology can move our daily lives forward

If you were to rethink today's modern city, how would you make it more livable? What new services would you offer? How would you power it?

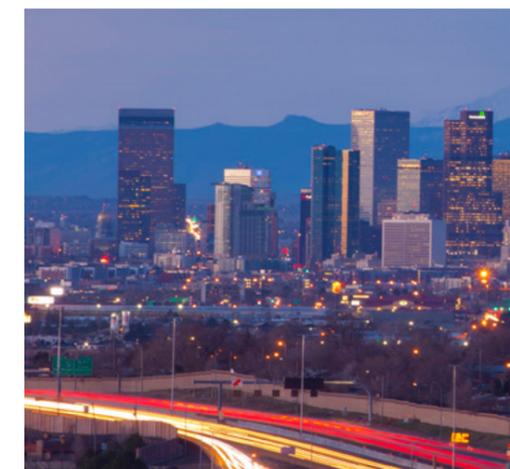
At Panasonic, we've given questions like these a lot of thought and come up with an innovative portfolio of solutions to help governments move swiftly and decisively into the future.

Strategic partnerships, unsurpassed capabilities

Through cooperative partnerships with cities, states, real estate developers, transit hubs and utilities, we're creating safer, more convenient and more sustainable environments for citizens. Ours is a complete approach that joins multiple systems and stakeholders together to bring about true progress.

A few of our capabilities include:

- Strategic consulting for sustainability planning, public-private partnerships and mixed-use developments
- Smart energy solutions including solar PV, Li-ion battery energy storage, and microgrid systems
- Sophisticated technology paving the way for the country's most advanced connected vehicle and connected highway system
- Computing solutions that make first responders more efficient in the field



In Denver, CO, our innovations are laying the groundwork for the future of urban development.

Welcome to today's smart city

Innovation on every block

Our smart city vision is coming together today in Denver, CO, and it's full of forward-thinking ideas. Like energy-conserving LED street lights that brighten when needed. While that's smart on its own, we've integrated additional features into each unit – environmental sensing, community Wi-Fi, security cameras, intelligent parking and traffic management – making these lights an indispensable asset to the city.

Sustainability for the long-term

Increasingly, environmental impact is a big issue for citizens and cities. Through a groundbreaking public-private partnership with the City and Country of Denver, Denver International Airport, utility Xcel Energy and prominent real estate developers, we've developed an innovative solar+storage microgrid that will be a model for future utility projects. On the demand side, we're outfitting smart buildings with sensor networks and advanced controls to maximize energy efficiency.



Making it happen

Smart city innovation can take many forms, from entertainment districts built with integrated technologies to responsive infrastructure that provides timely information to citizens. Whatever your goals, Panasonic CityNOW can help transform your city experience.

As a strategic partner, we offer you unmatched process and planning expertise, plus best-in-class technologies and integration skills. Once you're up and running, our CityWIDE infrastructure management portal enables real-time monitoring and control of a diverse suite of technologies, including lighting, parking and public safety. Leveraging these capabilities, your city can unlock greater efficiencies, not to mention the potential for big data analytics.

A better way to get to work

Commuter bottlenecks are a common frustration for cities. Our V2X smart highway project with the Colorado Department of Transportation could change all that. Built on a first-of-its-kind software platform, it's expected to be the largest deployment of connected vehicles and highway technology in the U.S. when completed. Soon, it will help drivers avoid accidents and congestion. Down the road, it could quadruple highway capacity, paving the way for free-flowing autonomous vehicles.

+ Solutions

Smart City

- Solar+storage microgrids
- Smart infrastructure
- Planning, consulting and implementation
- CityWIDE management portal

Smart Mobility

- V2X vehicle/highway connectivity

Public Safety

- Toughbook mobile computing solutions
- Body-worn and in-vehicle cameras
- Evidence capture platform



1.6 MEGAWATTS

Denver's Peña Station NEXT microgrid project includes a solar PV installation located over the Denver International Airport parking lot.

A smarter city is a safer city

Rethinking city services

Taking a fresh perspective has enabled us to enhance the safety of citizens. In our smart city, networked security cameras monitored by a central mission control keep a watchful eye. And services such as snow removal can be dispatched more efficiently.

Of course, safety depends heavily on those who have a duty to protect it. And no one takes better care of their needs than Panasonic. Because equipment failure can put lives in danger, we develop mobile devices with the lowest failure rate in the industry – five times more reliable than the average computer.

That durability reduces the government's total cost of ownership, including IT support needs, and keeps first responders in the field where they're most productive. For example:

- Emergency professionals on the scene in Houston use ToughPad tablets to consult with doctors, avoiding costly ambulance trips and ER visits in 80% of the cases where utilized
- The Alameda County, CA motorcycle patrol uses our tablets for photo identification, ID searches and report writing, while the marine patrol depends on our Toughbook laptops to check critical infrastructure and monitor for terrorist targets

Purpose-built for you

Since our mobile solutions are built specifically for the field, we're able to tailor the entire package, from deployment services to engineering support to custom configurations that meet government compliance regulations. That's the Panasonic advantage: reliability, support and the right capabilities to solve specific challenges.

To boost mobility and versatility in the most demanding work conditions, we offer 2-in-1 devices with detachable touchscreens and rugged handhelds as small as a phone but as powerful as a full PC.

Technology that has your back

Things happen quickly in the line of duty. With Panasonic's body-worn cameras, officers can reliably capture crucial digital evidence even in the most challenging environments. And you can be sure they're following proper safety protocols.

These cameras integrate seamlessly with our 360° view, in-car video systems and evidence management software, creating a unified evidence management platform that preserves every link in the chain of evidence.

180° PROTECTION

Our wearable camera's lens captures a commanding view of officers' actions.



> Technologies that move us toward a better life and world

At Panasonic, we anticipate the future, innovate continuously and integrate disruptive technologies into breakthrough solutions for our customers. Our goal? Create technologies that move us toward a better life and a better world. We provide integrated solutions in these four areas:

A Connected World that meets today's information, connectivity and mobility needs

Immersive Entertainment that turns live events into unforgettable, personalized experiences

Sustainable Energy that advances eco technologies and transforms industries

Automated Supply Chain solutions that bring intelligence and insight to how products are made, shipped and sold

Learn how Panasonic can help move your city forward.

PanasonicMovesUs.com

