IDC Government Insights: Worldwide Smart Sustainable Cities, States and Spaces: AI, Cloud and Edge Strategies

IDC *Government Insights: Worldwide Smart Sustainable Cities, States and Spaces: AI, Cloud and Edge Strategies* service advises government organizations and technology suppliers on how data and technology can be used to modernize front- and back-end systems to enable the faster delivery of secure, reliable, and human-centered digital services. IDC analysts research best practices for technology investments in the context of digital equity, employee experience, resident experience, and sustainable outcomes. This analysis covers vendor offerings in cloud, mobility, IoT, edge computing, and services, which provide the foundational layer for advanced solutions, such as digital twins. Uses of data and artificial intelligence (AI and generative AI) to drive productivity and a new frontier of services are also core research topics. Solutions for environmental sustainability and resilience, urban planning and administration, public safety and resilience, and mobility are covered in depth, as well as the new processes, relationships, business models, skills, and policies required for the effective deployment of technologies.

APPROACH

The IDC Government Insights: Worldwide Smart Sustainable Cities, States and Spaces: AI, Cloud and Edge Strategies research advisory service analyzes how municipalities, state, provincial, and regional communities, together with their ICT suppliers and other partners, are leveraging technology to improve operations and better serve residents, visitors, and businesses. The creation of new partnerships and procurement and funding models and the continuing evolution of state and local government's use and adoption of emerging technologies to create smart, sustainable ecosystems are covered in detail.

TOPICS ADDRESSED

Throughout the year, this service will address the following topics:

- Vendor capabilities and offerings in enterprise applications, GovTech, PropTech, cloud services, IoT and edge, AI and automation, and cybersecurity
- The use of emerging technologies such as AI/analytics, generative AI, cloud platforms, cloud applications, edge processing, the Internet of Things, drones, and video management and analytics — with a focus on best practices in data management, ensuring digital trust with the public, and the future of work in regional and local government
- Public safety, mobility, future of work and digital skills, climate intelligence technologies, built environment, and other departmental initiatives
- The use of Smart City technologies and concepts in defined spaces such as districts, campuses, stadiums, ports, and airports and the partner ecosystems emerging to deploy these projects

KEY QUESTIONS ANSWERED

Our research addresses the following issues that are critical to your success:

1. Which technology initiatives are causing significant shifts in the ways local and regional governments conduct business and provide services? How are risk, innovation, and transformation managed?
2. What are the organizational, process, and cultural initiatives needed to fully realize the benefits of technology innovation for the future of a sustainable Smart City and community?
3. Which ICT solution providers are facilitating smart, sustainable city, state, and regional government advancements?
4. What innovative solutions are being introduced to the market? How will technological innovation help us prepare for population shifts, compound environmental crises, and new work models? What is the balance between guardrails and adoption for new technologies?
5. How are Smart Cities and communities sustained? What are emerging business models? How do cities maintain civic engagement and sustainable behaviors?
6. What are the technological capabilities that the vendor ecosystems need to provide in the next three to five years to meet the needs of its subnational government clients? What is the best go-to-market position for suppliers to successfully engage and retain clients?
7. What are the priorities of government technology buyers when selecting development and technology partners?

WHO SHOULD SUBSCRIBE

The service will benefit multiple stakeholders across the urban ecosystem including CIOs, digital, and IT executives to strategically invest in and deliver technologies and solutions for smart, sustainable cities, communities, and spaces. In addition, it provides technology suppliers with cutting-edge knowledge on the adoption of technologies in local, regional, state, and municipal governments. Senior executives will appreciate the unique insights into how technology is transforming subnational governments and urban environments from mobility to building environment and public safety and what are the main drivers, priorities, policies, pain points, and technology investment plans.