

Smart City Solutions

NXTKey Corporation is an agile Business that places emphasis on teamwork and partnership with our clients to produce optimum contract performance while delivering world class information communication technology (ICT), Information technology (IT), information / data management, Information Assurance (IA) and cybersecurity solutions to global customers.

NXTKey Corporation has been engaged in numerous Smart City projects across the world involving various industry sectors.

A smart city is a metropolitan / urban area that uses electronic methods and sensors to collect data. Insights gained from that data are used to manage assets, resources and services efficiently and effectively. In return, that data is used to improve the operations of various citizen services across the city to better serve the communities. This includes data collected from citizens, devices, buildings and assets that is then processed and analyzed to monitor and manage transportation systems, energy generation and distribution, utilities management, waste and water supply networks, local government operations, healthcare, and other community services.

The smart city concept integrates information and communication technology (ICT), and various physical devices connected to the IoT network to optimize the efficiency of city operations and services and connect to local communities.

Smart city technology allows local governments, utilities, service providers to interact directly with both community and city infrastructure and to monitor and respond to activities, transactions and events in real or near real time. ICT is used to enhance quality, performance and interactivity of these services, to reduce costs and resource utilization and to increase contact between citizens and local governments, utilities, service providers.

NXTKey has deep working knowledge working with various grant making, funding and aid agencies like US Trade and Development Agency (USTDA), World Bank, Asian Development Bank and others to support Smart City initiatives across the world.

NXTKey Industry Sector Experience

Waste and Water Supply	SAWACO Water Supply Company, City of Ho Chi Minh, Vietnam
Agriculture	National Oceanic and Atmospheric Administration (NOAA)
Energy & Extractives	Government of Rwanda Government of Nigeria
Financial Sector	Department of Revenue – State of Delaware
Info and Communication	Iskandar Regional Development Authority (IRDA) – Government of Malaysia ipNX Nigeria Limited
Public Administration	Department of Natural Resources and Environmental Control – State of Delaware
Law Enforcement	US Department of Justice US Department of Prisons



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Many local governments around the world are looking for ways to better serve and interact with their citizens, while at the same time fostering transparency in city services and operations. To do this, municipalities are investing in technologies that emphasize Smart City initiatives with focus in Citizen Services and Open Government which, when implemented, will improve the quality of life of all citizens.

These goals are being achieved through enhanced ICT solutions preferably in a cloud-based environment capable of aggregating data from existing municipal and external databases as well as other information inputs. Such an infrastructure would allow the Municipality to retrieve data from a variety of domains, which would generate comprehensive analytics to serve and support its citizens as well as improve planning, decision making, operations, and control within the municipality.

In order to meet such objectives, NXTKey can support Municipalities by commissioning a study, that will define a number of projects in areas related to Citizen Services and associated issues. These would include the following topics:

Crisis/Disaster Management, Safety and Security

- Surveillance Infrastructure
- OCC Integration – Dispatch Center (911/112)
- Police/Fire/Rescue Services
- National/Regional/Local Citizen e-ID
- Citizen fast Identification technologies
- Emergency Communication

Citizen and Business Services – Portals and Applications

- Non-emergency 311 and 211 Services
- Health Primary Care Services
- Tourism
- Education
- Property and Business Records
- Taxes and Licenses
- Transparency and Open Government

Transportation and Traffic

- Traffic Management
- Smart Traffic Lights
- BRT's / Subways / Light Trains
- Tolls, Parking and Traffic violations
- Single Fare Collection for Public Transportation
- APNR, Vehicle RFID, Transponders

Energy and Environment

- Public Lighting
- Smart Buildings
- Smart Grid Water and Electricity
- Garbage Collection and Recycling
- Pollution and Flood Control

IT and City Management Applications

- Government Dashboards
- BI and Analytics
- Management Information Systems
- Geographical Information Systems

ICT Infrastructure

- Internet Broad Band
- Public WIFI
- Kiosks
- Evaluate City Data Center versus Cloud Services

For more information, please visit:
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