Smart Cities Roadmap

OVERALL STRATEGIES

Facilities and Services

Command Data centers in pilot cities

Human Resources

- Train traditional management professors in digital literacyskills and smart city principles through mentorship program
- Developing embedded/ladderized program for Future Cities for management/public administration undergraduates

R&D Technologies

- Assessment/Scoping analysis of LGUs and government agencies
- Build relationship with 3 LGUs (3rd class cities), secure MOU for:
 - Smart city platform codevelopment program (data exchange systems, smart grids)
 - Public administration apprenticeship program

S&T Policies

- Broaden adoption and utilization of National Government Data Center and the Government Network (GovNet)
- Development and implementation of international standards (e.g. ISO 20022)
- Incentive systems for LGUs with smart cities

Link up of geomatics and social science research and development of smart cities

26 M



2021

Smart City Index for Cauayan City Visualization platform/ dashboard

20 M

Big Data,
Data Mining, a
nd
Data Analytics
Service
Monitoring of
Indicators for
Efficient
redevelopment
and Value
Assessment



2022

Enhancement of Smart City Index for Baguio City International collaboration with countries with successful smart cities

50 M

R&D SOLUTIONS

Creation of Digital twin
Big Data, Data Mining,
and Data Analytics
Service delivery optimizati
on
Smart surveillance
Public sensor networks
for situation monitoring
Multi-dimensional data
correlation



2023

Smart Command and Smart Data Hub of the Iloilo City Command Center Citizen Mobile Application for Smart Feedback, Smart Connect, and Smart Sense

100 M

Integrated simulation and synthesis
Remote management
Internet of Things and
Smart Systems
Collaborative diagnostics and decision-making
Smart grids
Decision intelligence
Prescriptive Analytics
Multi-dimensional
data correlation
Earth Observation solutions in public services



2024

Development of decision support tools for Baguio City Smart systems developed in 3 pilot cities LGUs capacitated

150 M

Smart grids
Decision
intelligence
Prescriptive
Analytics
Multi-dimensional
data correlation
Earth Observation
solutions in public
services



2025

Application to other cities of developed techn ologies and smart systems

200 M

Decision intelligence
Prescriptive Analytics
Recommender systems
Financial securities
recommendations
Intelligent Applications
Image and Video
Recognition
Situation interpretation
through heterogeneous
sensors



Digital Twin

2026

Model cities for replication
Advanced capab ilities, functionalities and applications
Developed smarticity indexing
Developed standards for smarticity fata

VISION

Provision of enabling technologies for applications beneficial to society.

ISO Certification of smart cities

OVERALL OUTCOME

Locally-developed products and services intended for wide-range of applications

MILESTONES