

# **SMART CITY**

Decision intelligence

500 M

## **Smart Cities Roadmap**

Updated as of 21 September 2023

### **OVERALL STRATEGIES**

### **Facilities and Services**

Command Data centers in pilot cities

### **Human Resources**

- · Train traditional management professors in digital literacy skills 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 (3<sup>rd</sup> 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

### **R&D SOLUTIONS**

20 M

for Efficient redevelop

Value Assessment, Big

Data, Data Mining, and

2022

**Enhancement of** 

**Smart City Index** 

for Baguio City

Monitoring

ment and

Service

of Indicators

Data Analytics

### 50 M

Creation of Digital twin Big Data, Data Mining, and Data Analytics Service delivery optimizat 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

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

300 M

Integrated simulation and

Remote management

synthesis



### 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 techno logies and smart systems

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



### 2026

Model cities with decision intelligence for replication Advanced capabilities, func tionalities and applications

### **VISION**

Provision of enabling technologies for applications beneficial to society.

More cities recognized with a seal of good governance

### **MILESTONES**

### **OVERALL OUTCOME**

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



26 M

Link up of

geomatics and

social science

research and

smart cities

development of

**Smart City** 

ashboard

2021

Index for Cauayan City

Visualization platform/d



# List of Smart City Projects (for the whole duration of the roadmap)

R&D Technologies	Project Title	Budget Allocation ('000)							
		2022	2023	2024	2025	2026	2027	2028	Status
Smart City	PATURO: Platform for Assessment and Tracking of Urbanization- Related Opportunities of AIM with Cauayan City (Completed Project)								Completed (PCIEERD-GIA)
	A Link-Up of Geomatics and Social Science Research for the Development of Smart Cities (LUNGSOD) Project of UP-TCAGP with Iloilo City (Completed Project)	8,674,645.00							Completed (PCIEERD-GIA)
	MINERVA: Monitoring of Indicators for Efficient Redevelopment and Value Assessment of AIM with Baguio City (Ongoing Project)	11,961,640.00	5,893,640.00						Ongoing (PCIEERD-GIA)
	Modern Geospatial and Collaborative Solutions for the Development of Smart Regions (Smart METRO) with Decision Intelligence and Situation Interoperation through Heterogenous Sensors			15,014,624.00	13,801,624.00				Ongoing (PCIEERD-GIA)

