





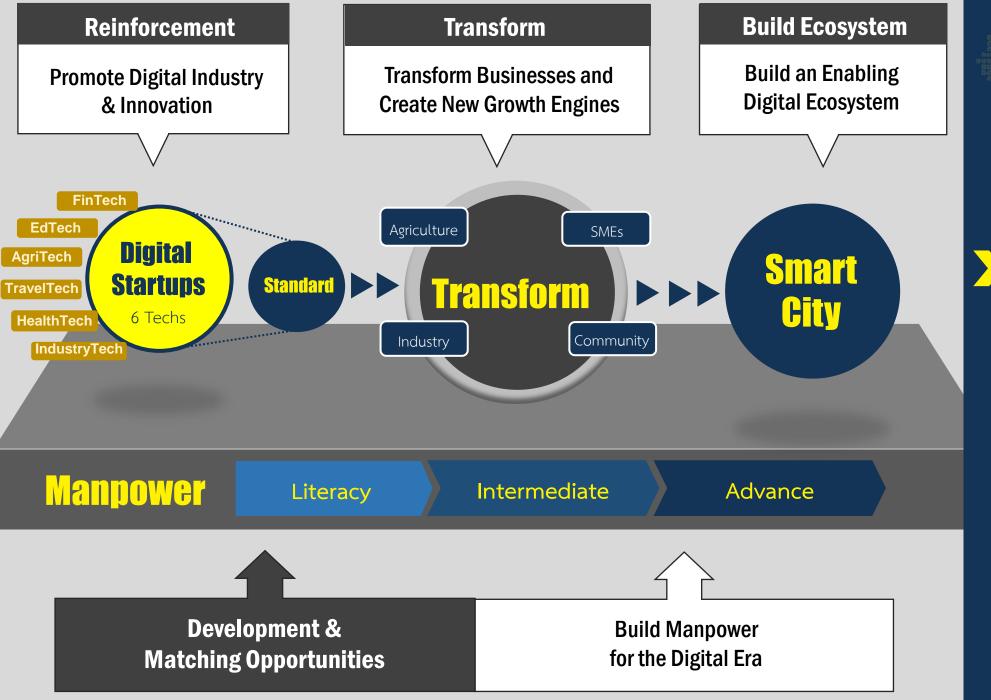








30 March 2023 depa







- Employment Rate
- Purchasing Power
- Quality of Life
- Strong Community
- Civil Society
- Sustainable Economic Growth



SMEs

Industry













asean

Smart City Primer Selected ASEAN Experiences



**Smart City Thailand's Milestone** 















# 70 Proposals in 37 Provinces 'Smart City Promotional Zone'

63 Smart Livable Cities

7 new Cities



Provincial Level

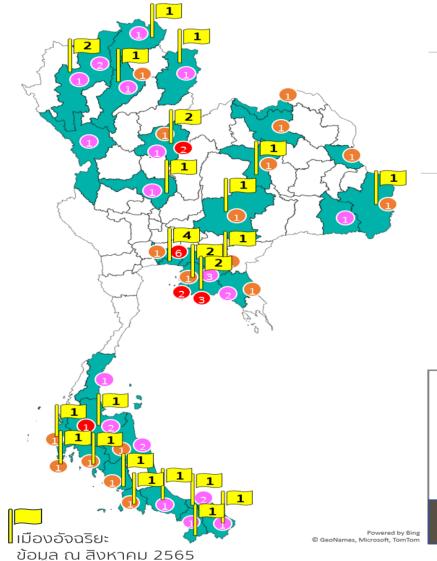


Municipal Level



Area-Based Level

- New proposals are coming in monthly from all regions of Thailand; and,
- ASEAN Smart Cities Network (ASCN) considers adding 3 more cities from Thailand as proposed by and interest submitted to the Smart City Thailand Office (i.e., Chiang Mai, Rayong, Khon Kaen, Chacheongsao, Nakhon Ratchasima, Nakhon Si Thammarat)







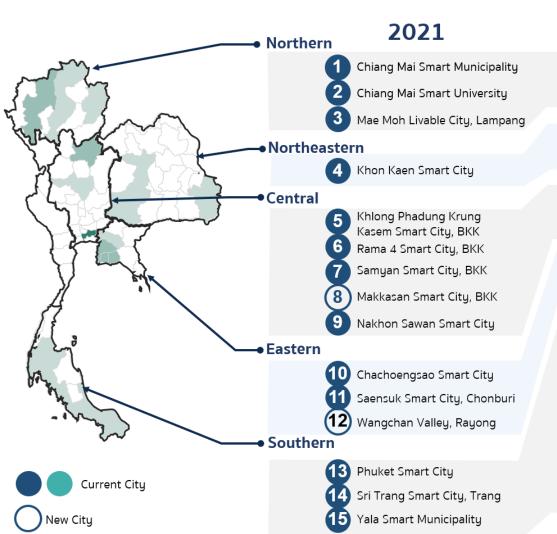








## 30 Smart Cities in Thailand (as of January 2023)



2022

- 16 Chiang Rai Smart Municipality
- 17 Nan Smart Municipality
- 18 Korat Smart City, Nakorn Ratchasima
- 19 Ubon Ratchathani Smart City
- 20 Phitsanulok Smart City
- 21 Phitsanulok Smart Municipality
- 22 Rayong Smart City : Smart and
- Livable Khao Khansong Model, Chonburi
- 24 Krabi Smart City
- 25 Phang-nga Smart City
- 26 Satun Smart City
- 27 Koh Samui Municipality Smart
- and Sustainable
- 28 Hat Yai Green Smart City, Songkhla
- 29 Pattani Smart Municipality
- 30 Narathiwat Smart Municipality

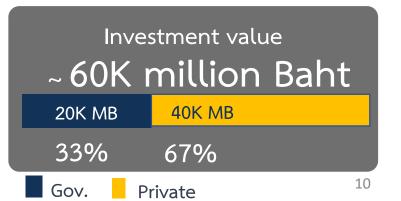
Data as in August 2022

30 SMART CITY Thailand

23 provinces

Impact to population

115 20m people







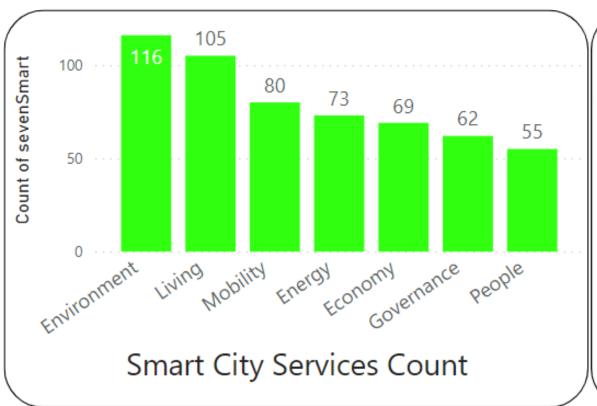


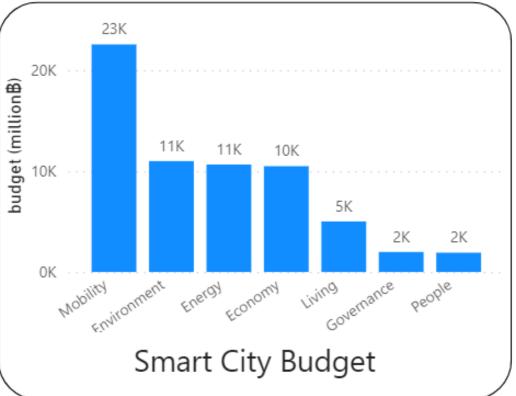






## Data Analytics Based on 30 Smart City Proposals































## **Workforce Development Activities in Smart City Development**

## **Executive Level**

Smart City Leadership
Program: SCL



## **Operation Level**

The Smart City Ambassadors

(SCA)

The Fundamentals of Smart City

(Online)

Smart City Officers Program

(SCO)

# THE FUNDAMENTAL OF SMART CITY

## **General Public**

City at the Next Level with

SCB Academy

Webinar: PDPA and Smart City

Smart City Explorers

(Smart City X)



## Policy & Promoting









#### **Funding**













## **Smart City Landscape**

as of July 2022

#### **Solution Providers**





startup





### R&D, Creative, Innovation







#### **Global Partners**











### City Management















### Standard & Regulation









#### Academic























Processed

Raw data

Smart transportation

center

in Khon Kaen







#### PHUKET

## 2020 - 2021 K-City Global Collaboration Program: Khon Kaen Smart Mobility Master Planning









☑ Link traffic information with competent authorities



☑ Traffic information (real-time, statistics)



Real-time video information

data ✓ Various event information

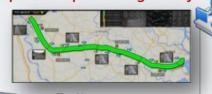


◆ New ATMS system





Operation (processing / analysis).



Traffic management operation board

Processed data



Process, analyze and create statistical data



Management

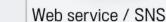


Administrator

Information service









Statistics

Relevant organizations (related organizations)

Road management authority, central government, local government, police traffic policy making authority, research institutes, private institutions













#### PHUKET

## 2022 Smart City supported by Japan ASEAN Mutual Partnership

#### MaaS Application development future plan

#### 1. Integration with first-and-lastmile mobility

Help public transportations fulfill the distance to destinations.



Example of Bike Sharing

#### 2. Integration with taxi hailing service

- · Taxi hailing feature will help the user in picking up the taxi and feeling more comfortable about price transparency.
- Integrate with them helps travelers to use taxi with peace of mind.





Example of Taxi Hailing Service

#### 3. Integration with public transportation packages

- Allows users to hop-on hop-off the bus unlimited times.
- · Compatible with various public transportation modes.



Packages hop-on/hop-off for all public transportation

#### 4. Integration with Piers

· Integration of pier information (for example: the ferry's schedule) helps travelers perform trip planning



Ao Chalong Pier



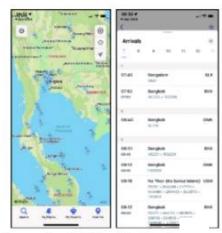
Rassada Pier



Ao Por Pier

#### Integration with airline flight schedule information

· Connect the whole customer's journey by integrating departing and arriving flights time.



Example of airline flight sche













## 2022 Image Visualization Using Fujitsu A.I. Technologies

#### Congestion image







 $\uparrow\uparrow\uparrow\uparrow$  heretofore investigation of the cause of congestion  $\uparrow\uparrow\uparrow\uparrow$ 

[hypothesis] By using image analysis technology, it will be possible to understand what needs to be improved and to draw up accurate improvement plans.

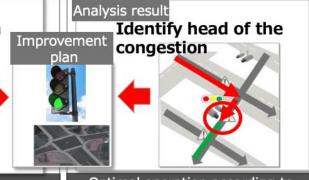
#### New technology



Understanding Traffic volume

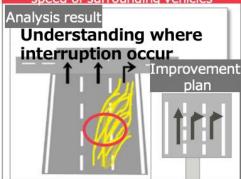
in Roundabouts

Detect Roundabout Entry and Exit Speeds by image analysis ->Detecting congestion by direction outside of roundabout

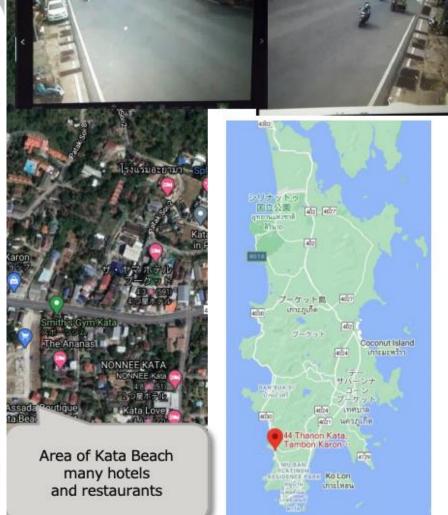


Optimal operation according to traffic capacity by improving traffic signals and infrastructure

Detect Traveling Trajectory between Lanes by Image Analysis -> Detection of frequent lane change points and speed of surrounding vehicles



Install Directional guidance in front where lane change frequently occur











## 2023 USTDA Supported Technical Assistance Project for Phuket



HOME

**ABOUT US** 

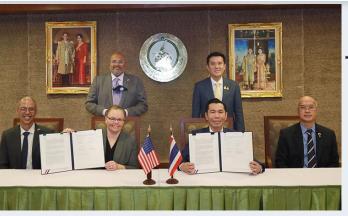
**OUR RESULTS** 

WORK WITH US

INITIATIVES

**REGIONS** 

**SECTORS** 



## Thailand: Phuket Smart Cities Technical Assistance

#### ★ BUSINESS OPPORTUNITY OVERSEAS

Thailand's Digital Economy and Promotion Agency (DEPA) invites submission of qualifications and proposal data (collectively referred to as the "Proposal") from interested U.S. firms that are qualified on the basis of experience and capability to execute a Technical Assistance ("TA") for the proposed Phuket Smart City Project. **The Proposal submission deadline is Friday, March 10, 2023 at 5:00 PM Bangkok, Thailand Time (UTC+7).** The U.S. firm selected will be paid in U.S. dollars from a US\$839,420 grant to DEPA from the U.S. Trade and Development Agency. Source: https://th.usembassy.gov/ustda-helps-thailand-design-smart-cities/











OFFICIAL PARTICIPANT - THAILAND







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