

People-Centered x Inclusivity of Progress and Challenges in Implementing the Smart City Projects in Phnom Penh Capital City



Samphors DOR
Phnom Penh | Cambodia

The 7th ASEAN-Japan Smart Cities Network High Level Meeting
54th - 55th November 6469, Kagawa, Japan



Phnom Penh Capital Administration

Smart & Sustainable City Secretariat



VISION, FOCUS AREAS & STRATEGIC TARGETS

1 | VISION

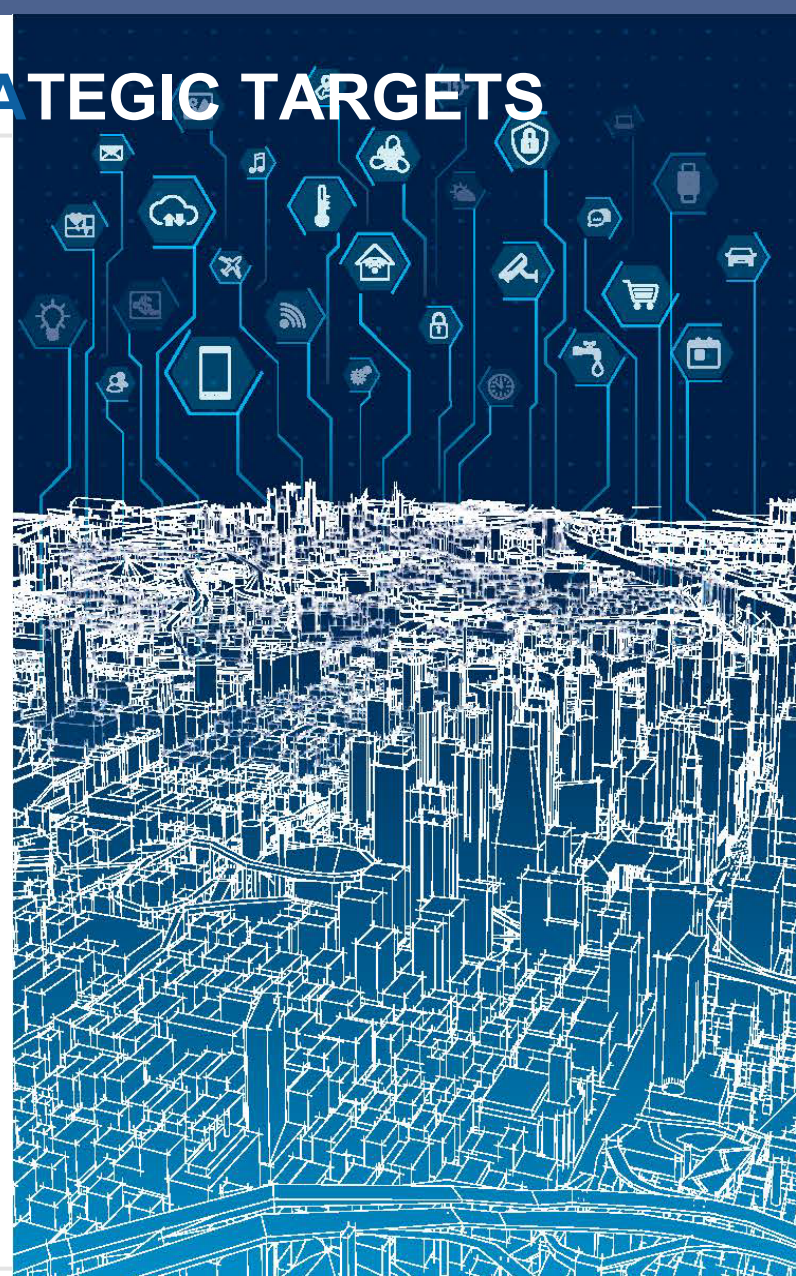
- To improve the urban environment to enhance citizen's quality of life.

2 | FOCUS AREA

- Quality Environment
- Civic and Social

3 | STRATEGIC TARGETS

- Sustainable Environment
- High Quality of Life
- Sustainable Environment



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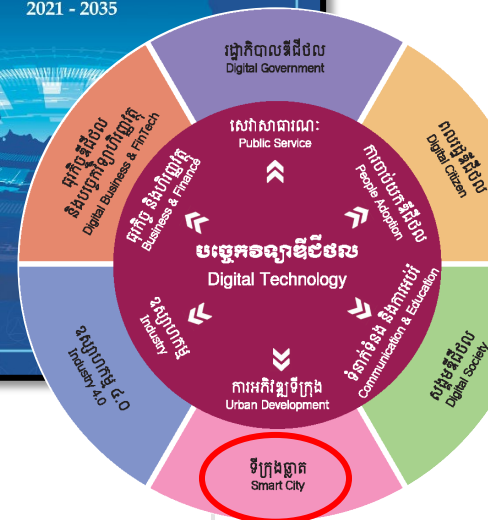
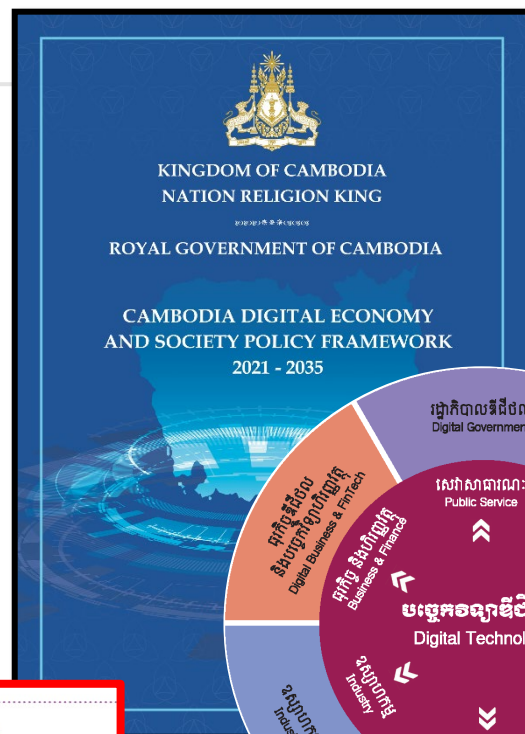
VISION, FOCUS AREAS & STRATEGIC TARGETS

Cambodia Digital Economy and Society Policy Framework 2021-35

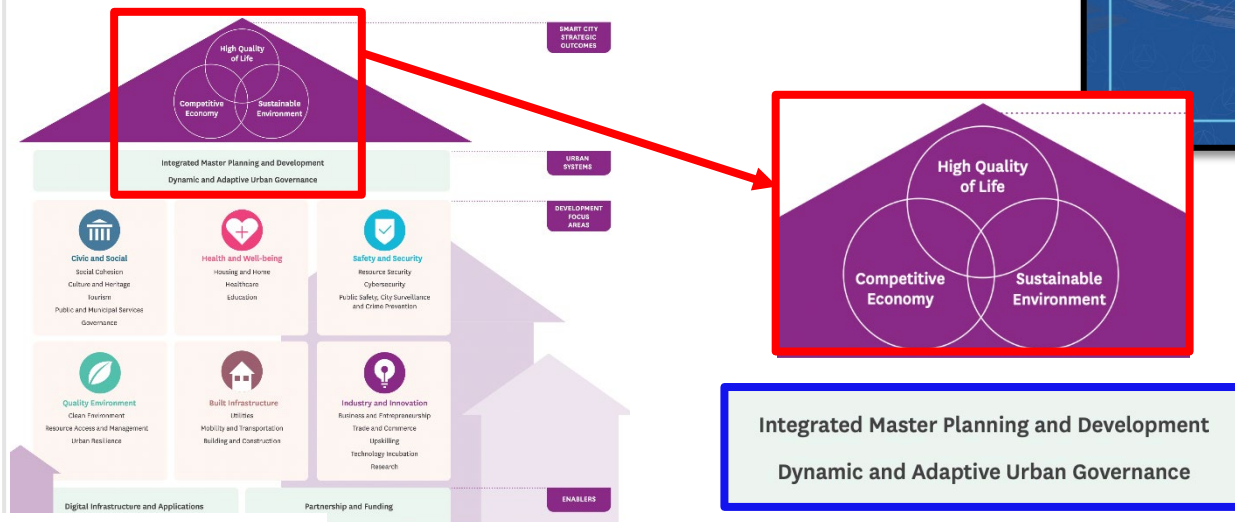
“ I strongly believe Cambodia shall strive to achieve the **digital transformation** to turn Cambodia’s economy and society to a higher level of development.”

~ Samdach Akka Moha Sena Padei Techo **HUN Sen**

May 10, 2021



ASEAN Smart Cities Framework



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VISION, FOCUS AREAS & STRATEGIC TARGETS

PP Smart & Sustainable City Strategic Roadmap 2022-2035

VISION

Smart Phnom Penh, a Capital City using information & technology to better respond sustainably to the needs of communities and businesses.

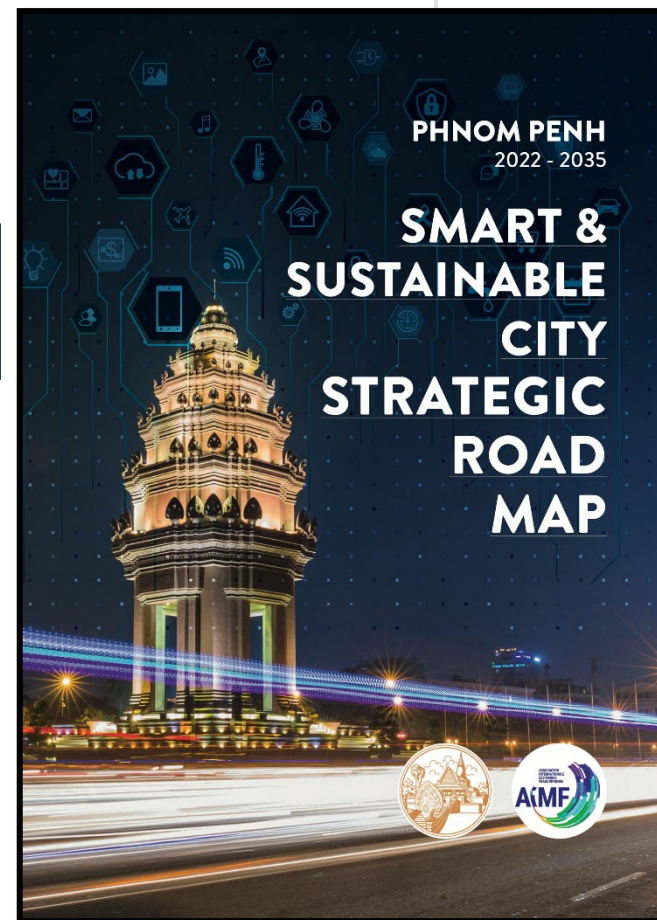
Economic
and Business
Friendly City
through
Digital
Infrastructure

City with Best
Collaboration
between
Government,
Industry and
Business

A Livable
City with
High
Access of
Smart
Technology

A City For
All with
Highly
Connected
Community

**A City where
technologies
are solution
to tackle
potential
environment
challenges**



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SMART CITY PROJECT 1: COMPLETE STREETS FOR ALL USERS

- Join the workshop between two cities, Boston and Phnom Penh to identify the issue
- Department of Transportation has been preparing the work plans in order to update the progress between Phnom Penh-Boston on how to solve and re-design the sidewalks.
- By paring, the segment for 2 kilometers of Phnom Penh's Monivong Blvd. from the segment of the train station to the French Embassy was chosen as a pilot project.



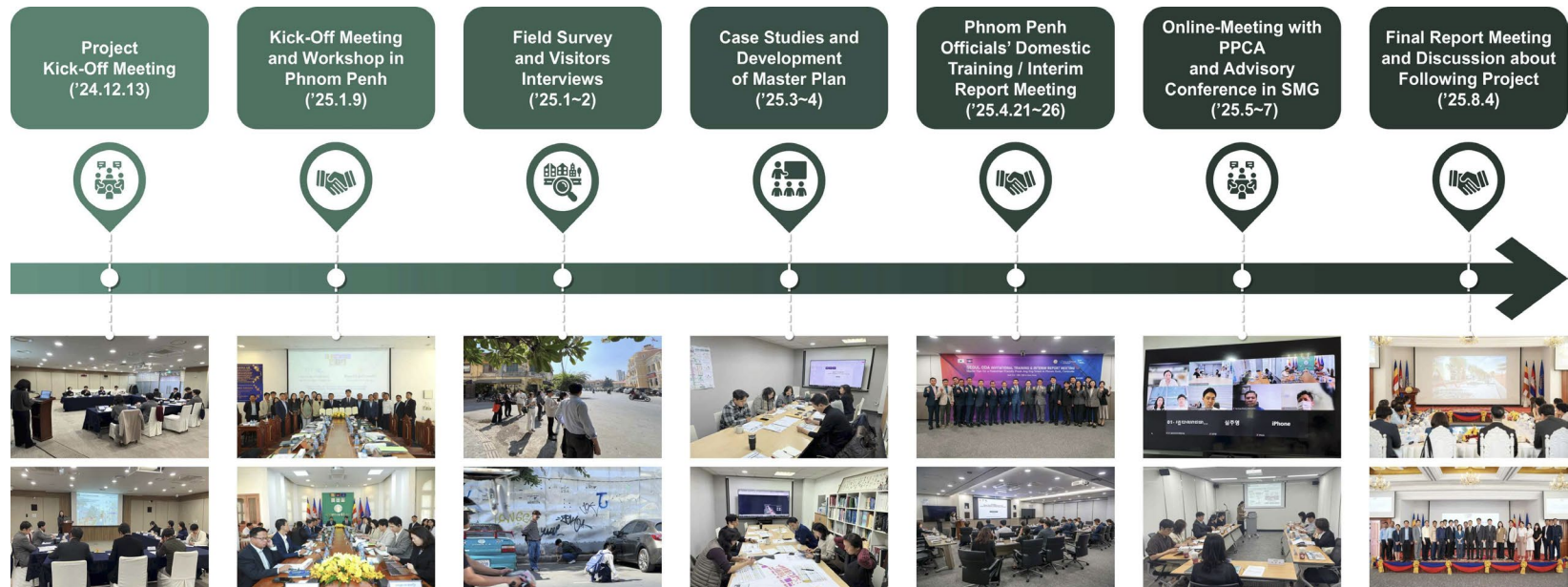
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SMART CITY PROJECT 2: SEOUL ODA CHALLENGE PROJECT 1

- Establishment of the Preah Ang Eng pedestrian- friendly streets master plan for central Phnom Penh and enhancement of policy implementation capacity through knowledge and experience exchange between Seoul and Phnom Penh
- Establishment the vision and policy framework for a pedestrian-friendly street in Phnom Penh
- Collaborative development of public-private partnerships and implementation strategies
- Sharing Seoul's pedestrian-friendly city policies and experiences



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SMART CITY PROJECT 2: SEOUL ODA CHALLENGE PROJECT CON'T.

Final Report for the "(2024 Seoul ODA Challenge) Master Plan for a Pedestrian-Friendly Preah Ang Eng established



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SMART CITY PROJECT 3: CHAKTOMUK WALK STREET

- Established in Feb. 2025 and has been successfully opened beyond expectation
- To create vehicle free zone for public to relax and enjoy weekend life



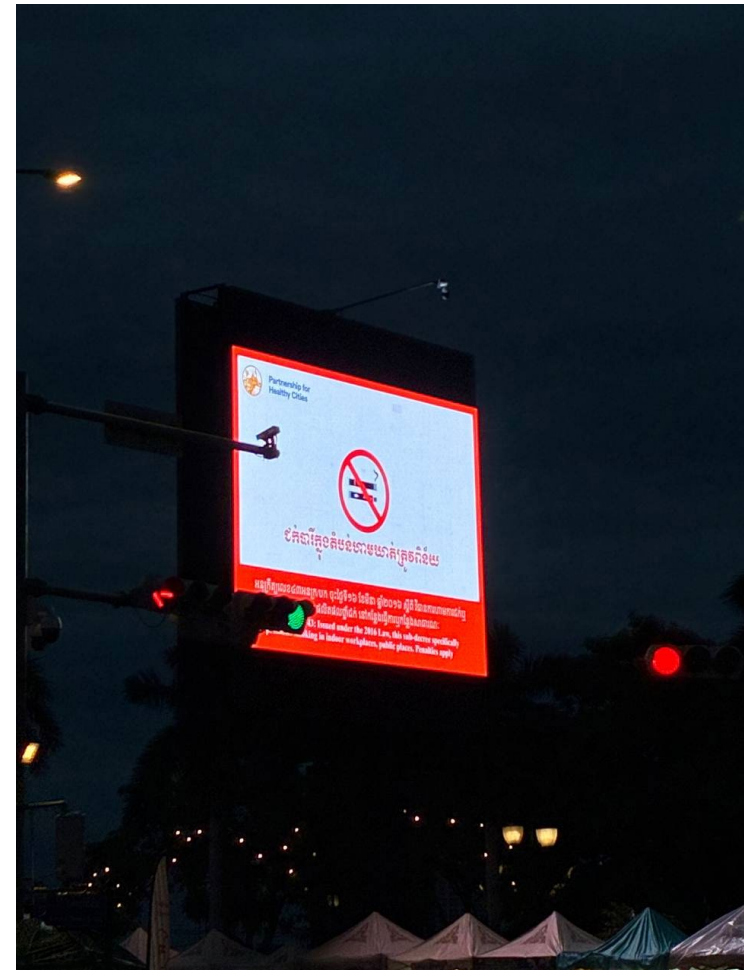
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SMART CITY PROJECT 3: CHAKTOMUK WALK STREET

- Further step ahead to create a smoke free zone
- Aims to implement measures to establish a healthier and more welcoming environment for all, free from the harmful effects of tobacco smoke.



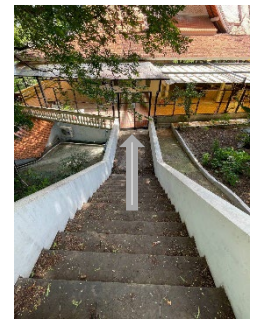
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SMART CITY PROJECT 4: PHNOM PENH SMART CITY HUB (PPSCH)

- The “Phnom Penh Smart City Hub” Project was created in order to start implementing the Phnom Penh Smart and Sustainable City strategic roadmap and deliver on its vision of “Phnom Penh, a smart capital that uses information and technology to meet the needs of businesses and communities more sustainably.”
- Report on the Establishment of Phnom Penh Smart City Hub (PPSCH) and Its Legal Status is created under the partnership between Phnom Penh Capital Administration and AIMF



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SMART CITY PROJECT 4: PHNOM PENH SMART CITY HUB (PPSCH)

Smart City Hub officially opened by PPCA with support from AIMF



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SMART CITY PROJECT 5: Project for Development of Integrated Urban Transportation Management Mechanism of Phnom Penh

- Aim to revise current urban transport master plan
- Implement the pilot project
- Improve the institutional set up as the key outputs of the Project.



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SMART CITY PROJECT 6: Public Bus – Chaktomuok Walk Street – Newly Opened Techo International Airport

- Daily operation of 13 routes through out Phnom Penh City
- To support vehicle free zone so called Chaktomuok Walk Street by expanse its operation hour to 11pm.
- For better accessible to newly operated Techo International Airport, the bus authority to launch airport express bus routes from the city center to the airport starting from 5:30 to midnight.

ពេលវេលាបណ្តាញអន្តរជាតិកៅស៊ូ

កាលបរិច្ឆេទប្រតិបត្តិការខ្សែរថ្មី Express Bus ទៅអាកាសយានដ្ឋានអន្តរជាតិកៅស៊ូ
រថ្នាកស្វយ័តដឹកជញ្ជូនសាធារណៈថេយ្យន្តរក្រុង (City Bus) រាជធានីភ្នំពេញ

Schedule Airport Express Bus

Techo International Airport to Kouch Cannon Roundabout Bus Terminal

5:30-6:30	5:30	5:40	5:50	6:00	6:10	6:20
6:30-7:30	6:35	6:45	6:55	7:05	7:15	7:25
7:30-8:30	7:50	8:00	8:10	8:20	8:30	
8:30-9:30	8:40	8:55	9:05	9:15	9:25	
9:30-10:30	9:35	9:45	10:10	10:20	10:30	
10:30-11:30	10:40	10:50	11:00	11:15	11:25	
11:30-12:30	11:35	11:45	11:55	12:05	12:25	
12:30-13:30	12:35	12:45	12:55	13:05	13:15	13:30
13:30-14:30	13:40	13:50	14:00	14:10	14:20	
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17:30-18:30	17:35	17:45	17:55	18:10	18:20	18:30
18:30-19:30	18:40	18:50	19:00	19:20	19:30	
19:30-20:30	19:40	19:50	20:00	20:10	20:25	20:35
20:30-21:30	20:35	20:45	20:55	21:05	21:15	
21:30-22:30	21:40	21:50	22:00	22:10	22:20	22:30
22:30-23:30	22:45	22:55	23:05	23:15	23:25	23:30

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Schedule Airport Express Bus

Kouch Cannon Roundabout Bus Terminal to Techo International Airport

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19:30-20:30	19:40	19:50	20:00	20:10		
20:30-21:30	20:35	20:45	20:55	21:05	21:15	21:25
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SMART CITY PROJECT `7: SAFE SCHOOL ZONES BY PHC

The launch of the Safe School Zones initiative reflects Phnom Penh Capital Hall's strong leadership and commitment to safeguarding its youngest citizens. This partnership-driven effort is a remarkable step toward saving valuable lives and building a safer, healthier city for all.

- SLOW DOWN -

"Saves lives"



30
km / h



9 OUT OF 10 PEDESTRIANS SURVIVE

50
km / h



THE SURVIVAL RATE DROPS SIGNIFICANTLY

Partnership for
Healthy Cities

Bloomberg
Philanthropies

World Health
Organization

Vital
Strategies

- SLOW DOWN -

"for our children's future"

30



Partnership for
Healthy Cities

Bloomberg
Philanthropies

World Health
Organization

Vital
Strategies

- SLOW DOWN -

"30 km/h is a law"

30



Partnership for
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SMART CITY PROJECT 8: Public Health Improve in Dangkor Referral Hospital

- Under KOCIA support to build a new referral hospital building equipped with modern medical necessary equipment to make a high quality and safety hospital for all.
- To provide various trainings in cooperation with Soon Chun Hyang Medical University by sending medical staff, doctors, nurse and midwives to train in Korea, in major national hospitals during the construction and on site training once the construction is completed.



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2 | Challenges to Implementation

- **Lack of coordinator & collaboration protocol, standardization in work communication;**
- **Lack of digital communication channels for internal and external;**
- **Lack of on-site training to optimize the use of existing materials, smart city-related skills, and not much understanding from the city officers about smart and sustainable city concepts;**
- **No smart city regulatory framework (from digital information diffusion processes to all sectors of PPPs' smart contracts) and no regulatory framework for effective enforcement mechanisms for SC;**
 - **Data collection is still limited in order to the development of the pilot program work plan including organizing, facilitating, and documenting in-person and virtual partnership meetings.**
 - **Even though Technical assistance on multimodal transportation planning, transportation policy development, and the integration of technology into transportation networks.**



3 | Partnership and Supports Required

- Upon the current pilot project, the city is looking for partners and funding sources for project expansion.
- PPSCH needs to cooperate and partner with the private sector to learn best experiences and to get support from them in technical, resource, and/or financial aspects in order to speed up the smart city transformation in the PPP mechanism and/or other mechanisms.





សូមអរគុណ!

ありがとうございます!
Thank You!



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