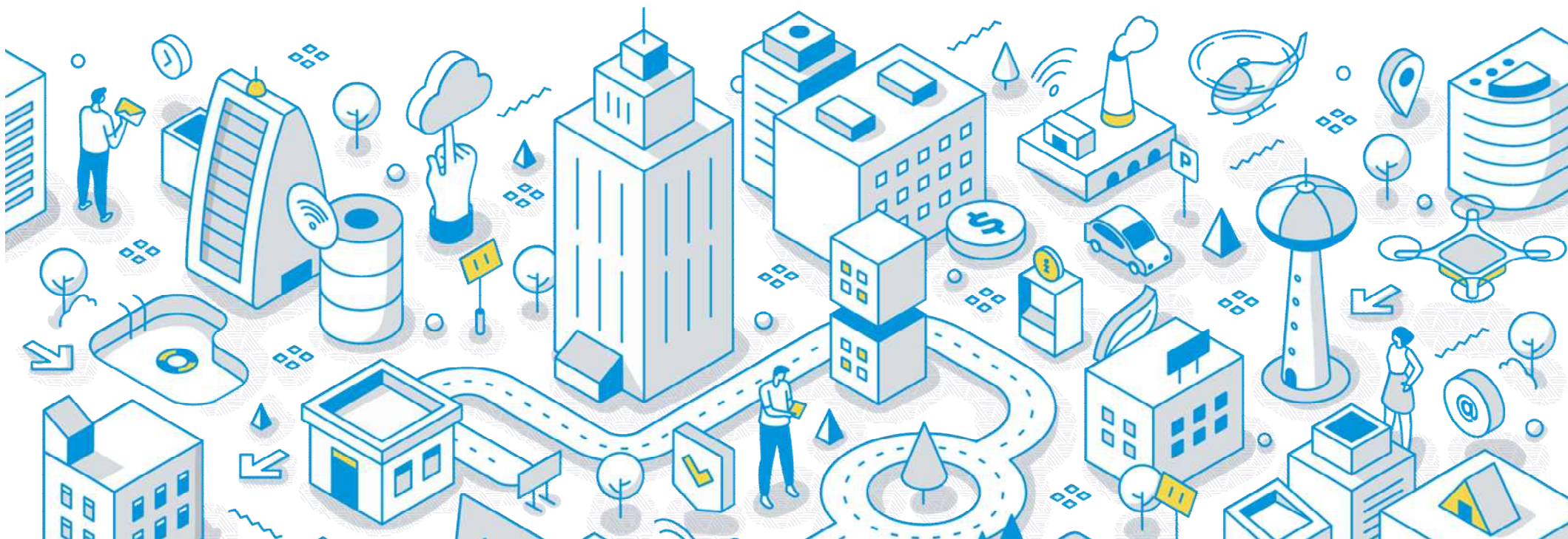


K-City Network : Global Cooperation Program 2021 Smart City Planning Program Briefing Session

K-City Network Smart City Planning Program Secretariat
Korea Overseas Infrastructure & Urban Development Corporation



- I K—City Network Program Overview
- II Smart City Planning Project





I

K-City Network: Global Cooperation Program 2021
Smart City Planning Program Briefing Session

K-City Network Program Overview



1 K-City Network Program Overview

Smart Cities of Korea



STAGES OF CITY DEVELOPMENT IN KOREA

CITY DEVELOPMENT IN KOREA
PASSES INTO THE MATURITY STAGE

KOREA HAS ACCUMULATED
KNOWLEDGE ABOUT SOLUTIONS TO
RELEVANT URBAN ISSUES FOR BOTH
MATURED CITIES & NEW CITIES

U-City
(Ubiquitous)

U-eco City
(Ubiquitous+Ecological)

K-Smart City

- A city where ubiquitous services are provided through city infrastructure using ubiquitous city technologies
- A city that promises to provide an environment-friendly urban milieu with advanced ubiquitous infrastructures and services for residents and visitors
- A customized city based on the convergence of ICT (Information and Communication Technology) with city development & management

Korean National Pilot Smart City I : Sejong 5-1 Living Area

The National Pilot Smart City was implemented to freely demonstrate and integrate technologies related to the Fourth Industrial Revolution to sites without development plans. In addition, it is pursuing the goal of presenting the future smart city leading model by creating an innovative industrial ecosystem that can implement creative business models.

Project Name: National Pilot Smart City in Sejong 5-1 Living Area

Implementation Period: 2017- 2021

Location: Hapgang-ri, Sejong-si

Business Area: 2.7 km²

Planned Population: 22,585 people

Project Cost: (estimated) 1.5 trillion KRW
(1.3 billion USD)



Key Elements:

3 values- Dematerialism, Decentralization, Smart Technology

7 innovations- Mobility, Healthcare, Education and Jobs, Energy and Environment, Governance, culture and shopping, life and safety

Korean National Pilot Smart City II : Busan Eco Delta Smart City

Project Name: National Pilot Smart in City Busan

Implementation Period: 2019 – 2023

Location: Gangseo-gu, Busan

Business Area: 2.2 km²

Planned Population: 8,500 people

Project Cost: (Estimated) 2.2 trillion KRW
(2 billion USD)



Key Elements:

- Space planning for new smart growth city
 - Smart life for future, Smart links for sharing, Smart place for everyone
- Smart City 3 platform based on technology
 - Digital city platform, Augmented City Platform, Robot City Platform
- 10 innovation services
 - Robot-based life innovation, Learning-work-play (LWP) convergence society, Intelligent urban administration and management, Smart Water, Zero energy city, Smart Education & Living, Smart healthcare, Smart mobility, Smart safety, Smart Park

1 K-City Network Program Overview

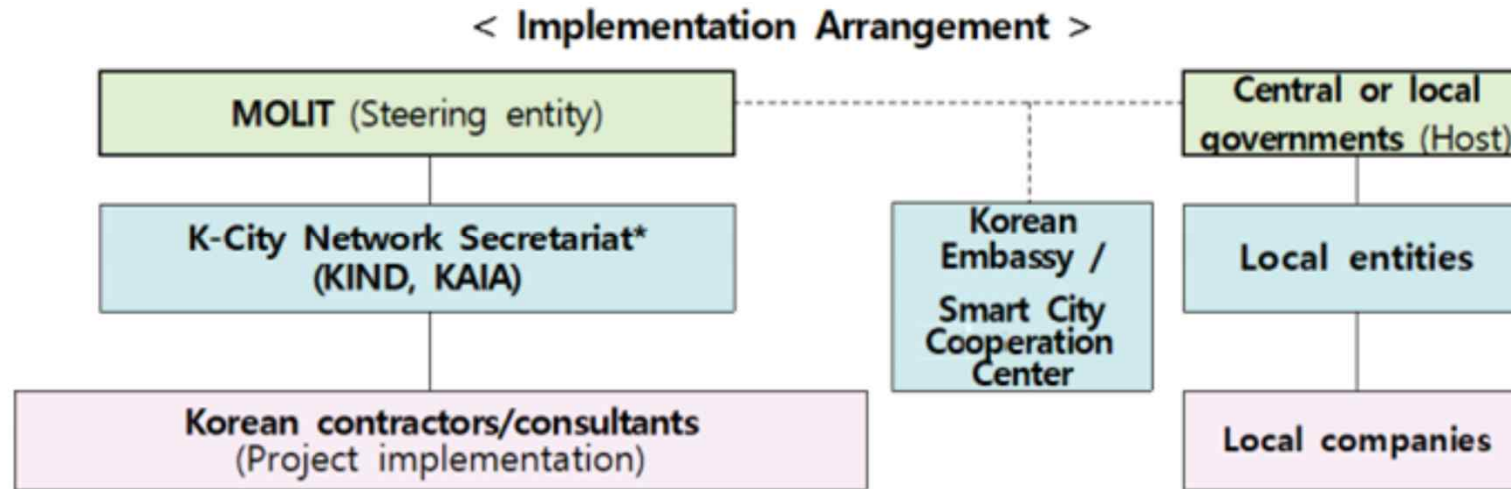
What is K-City Network?

K-City Network is a global cooperation program that offers packaged support, including **identification and development of a Korean smart city project** and **technology transfer for cities overseas**, on the basis of **inter-governmental cooperation**.



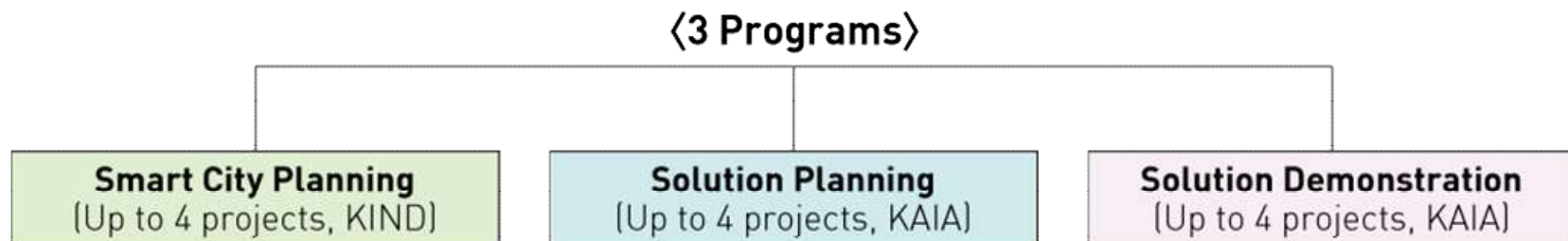
1 K-City Network Program Overview

Implementation Structure



* Budget assignment and Overall management: Urban policy division, MOLIT

* Operation and administration: KIND and KAIA





K-City Network: Global Cooperation Program 2021
Smart City Planning Program Briefing Session

Smart City Planning Program



Smart City Planning Program

Smart City Planning Program is a government-to-government cooperation program that selects smart city development proposals, collaborates with the host governments that made the proposals on project discovery and development, implements technological exchanges and seek cooperation on future projects.



Smart City Planning Program

Analysis of project conditions of the candidate city, reviewing project details, developing basic studies or planning for the smart city development proposals and arranging an invitational training program in Korea

2 Smart City Planning Program

Smart City Planning Program

Target Projects

Mid-to-large scale smart city projects that requires development and operation of smart city solutions.
e.g., new towns, industrial complexes, housing blocks and etc.

Eligible Applicants

National/local government

Scale of Support

Approximately KRW 400 to 600 mil. per project / Up to 4 projects

Program Period

Up to 10 months

What is the process of Smart City Planning Program?

Concept
Design



Master
planning



Pre-Feasibility
Study



Feasibility
Study

- Location

Eastern Kalimantan of Borneo, Indonesia

- Project Site Description

New capital development plan of the central government for balanced national development

- Scale of Support // Project Period

490 million KRW // from Jul 31, 2020 to March 27, 2021 (8 months)



Projects of 2020

Master Plan for the Smart City Development Project for Astete Airport Area in Peru

- Location

Astete Airport Area, Cusco, Peru

- Project Site Description

Due to the new Chinchero airport plan, Astete airport area turns into cultural, historical smart city

- Scale of Support // Project Period

400 million KRW // from Jul 15, 2020 to March 11, 2021 (8 months)



Deadline

The applications must be submitted to the K-City Network Smart City Planning Secretariat (Korea Overseas Infrastructure& Urban Development Corporation ("KIND")) before **6 p.m April 20, 2021 (Tuesday), KST** by **e-mail or post**

Required Documents

Required documents below shall be submitted on or before the deadline.

- ✓ The Application Form (signed by the head of the organization)
- ✓ Smart City Project Proposal (summary)
- ✓ Smart City Project Proposal (full version)
- ✓ Letter of Commitment
- ✓ Consent for Disclosure and Coordination

Contacts

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Phone : +82-02-6746-7445

Guide for Applicants – Project Proposal Contents

1. Project Outline

- 1.1 Project Name
- 1.2 Project Summary
- 1.3 Implementing Agency/ Relevant Institutions

2. Summary of K-city Network Application

- 2.1 Project Type
- 2.2 Required Format of the Technical Assistance
- 2.3 Scope of the Technical Assistance
- 2.4 List of Resources That Can Be Provided
- 2.5 Other Instruction or Request

3. Necessity and Current Status of the Project

- 3.1 Current Status of the Site and Rationale/
Necessity of the Project
- 3.2 Relevant Upper Plan and Implementation Plan
- 3.3 Current Project Progress

4. Project Implementation plan

- 4.1. Project Amount
- 4.2. Project Structure
- 4.3. Future Schedule
- 4.4. Financing Plan
- 4.5. Financing and Attracting Investment Plan
Including Private Capital
- 4.6. Land Acquisition and List of Needed Licenses
and Permits, and Institutions in Charge
- 4.7. How to Select Investors and
Project Participating Companies
- 4.8. Other Available Supports

5. Others

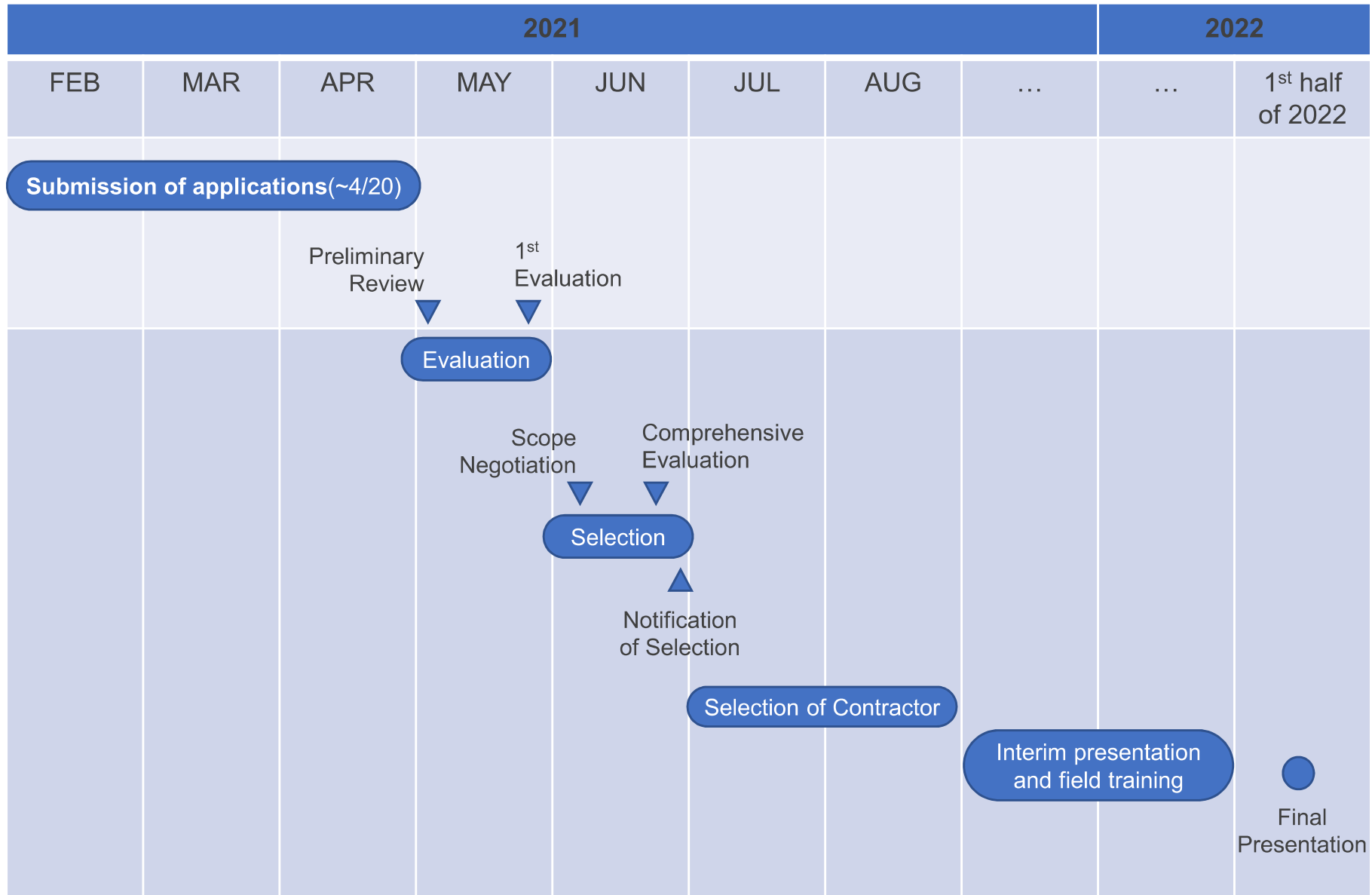
- 5.1. Related Korean Government Ministries and/or
Cooperative Institutions (Companies)

- **The proposal must not exceed 20 pages
(Summary- must not exceed 2 pages)**

Guide for Applicants - Tell us about your city

- **What is Current Status of the Site and Rationale/Necessity of the Project?**
 - Describe the site status, the issues for betterment(water and sewage, traffic jam, etc.).
 - Describe the necessity, the appropriateness, the urgency on the project implementation connected to the contents above.
e.g., selected according to the National Development Plan
- **What is Smart city-related policy or implementation strategy of the city?**
 - Relevant national policy and implementation plan (describe relevant upper plan and relevant plan in detail)
- **What is Current Project Progress?**
 - When the initial plan was conceived
 - Existence of established project

Application & Evaluation Process



Q1

What has changed in terms of operation compared to 2020?

A1

KIND operated both 'Smart City Planning' and 'Solution Projects' in 2020. However, KIND operates 'Smart City Planning' and KAIA operates 'Solution Projects' separately in 2021.

Q2

What was the competition rate of 'Smart City Planning Program' in 2020?

A2

Approximately 6:1 (Competition rate of Solution Projects was about 8:1.)

Q3

Is it possible to apply for projects that have been submitted or selected in 2020 again?

A3

Yes. It is possible.

Q4

Who is the eligible applicant?

A4

Foreign national and local governments with prior consultation completed.

Q5

How many applications per country can be submitted?

A5

There are no restrictions, but we recommend setting priorities for each country.

Q6

How is the project budget used?

A6

The budget will be provided directly to the Korean contractor (the Consultancy of the planning), not the applicant.

Q7

Will the main project be implemented after the K-City Network program?

A7

K-City Network program is not an ODA program and only supports planning and invitational training (not the implementation of the main project)

Q8

What are the criteria and methods for selecting a contractor?

A8

The criteria for selecting contractors and scope of tasks will be prepared with the government department that has applied, and will be open bidding within the Republic of Korea in accordance with these standards.

Q9

What is the role of the applicant?

A9

Consultation among the national and local governments, provision of relative project information, good communications for business cooperation, and etc. For more detail, please refer to the application form.

Q10

Does the project still be proceeded even under COVID-19 circumstances?

A10

Yes, but executing the basic on-site survey may be restricted so that cooperation with local government would be necessary for such local surveys.



Ministry of Land,
Infrastructure and Transport



KIND
한국해외인프라도시개발지원공사

Thank you

K-City Network Smart City Planning Program Secretariat
Korea Overseas Infrastructure & Urban Development Corporation