

MOLIT Public Notice No. 2021-236

「K-City Network 2021」

Following the Article 30 of the Act on the Promotion of Smart City Development and Industry, the Ministry of Land, Infrastructure and Transport of the Republic of Korea (MOLIT) hereby releases this public notice on *selection of “**Solution Planning Project**” to be implemented under the **K-City Network: Global Cooperation Program 2021**.*

February 18th, 2021

Minister of Land, Infrastructure and Transport

**Request for Application
for
K-City Network 2021 – Solution Planning Project**

1 Project Overview

1.1 (Project Name) K-City Network 2021 - Solution Planning Project

1.2 (Project Description) This project supports planning to develop and apply Korean smart city solutions for smart city projects that are to be considered or carried out by foreign governments.

1.3 (Purpose) This project aims to 1) identify smart city cooperation projects in order to develop a concrete plan for urban problem solutions, and 2) share and disseminate each other's best technologies and practices among partner countries for mutual benefits and prosperity.

2 Application and Target Projects

2.1 (Eligible Applicants) departments, agencies and public bodies of central, federal and local government

2.2 (Target Projects) Smart city project of the candidate country, which aspires to learn from Korea's smart city experiences and deploy smart solutions to solve urban problems

- Simple infrastructure development projects or R&D projects are not recommended to be submitted; priority will be given to projects that has a comprehensive plan as to smart city solutions(e.g. concept design, master plan, feasibility study etc.) with secured budget.
- Applicants may link the proposed project with another smart city collaboration project being or to be implemented in partnership with a Korean public institution or corporation. Applicants may specify the name of the partner organization in the application.
 - * Applicants must submit the evidence for an existing collaboration project. The names of partner organizations are for reference only, and a contractor (consultant) for each project will be selected through a bidding process later.

3 Project Details

3.1 (Scale of Support) up to 300 million KRW (300,000 USD) per project, for up to four (4) cities overseas

3.2 (Description of Support) Project Planning assistance to develop smart city solutions(services, platforms, or systems) of the candidate city, which aims to tackle critical urban problems in fields such as transportation, environment etc.

- Based on the status and condition analysis of the city, a smart solution will be presented to resolve major urban issues, and a feasibility study will be supported.

3.3 (Follow-up Support) According to the result of feasibility study, projects with high potential and feasibility will be granted incentives when applicant applies for a smart city solution demonstration project next year.

4 How to Apply

4.1 The applications must be submitted to the K-City Network Solution Program Secretariat (Korea Agency for Infrastructure Technology Advancement ("KAIA")) **on or before 6 p.m. April 20, 2021 (Tuesday), KST** via electronic documents sent over e-mail

- (contacts) kcitysolution@kaia.re.kr, +82-02-798-9725

4.2 (Required Documents) Required documents below shall be submitted on or before the deadline.

- 1) the Application (signed or sealed by the head of the organization)
- 2) the Proposal
- 3) Collaboration Commitment among Relevant Organizations
- 4) the Consent to the Relevant Information Sharing and Cooperation

4.3 The required documents shall be submitted in the form of an electronic document via e-mail to the K-City Network Solution Program Secretariat (Korea Agency for Infrastructure Technology Advancement, hereinafter called 'KAIA')

5 Schedule

- **Feb. 18, 2021 - Apr. 20, 2021:** submission of applications
- **Mar. 2021:** Project briefing session (Details will be announced later)
- **May – Jun. 2021:** selection of target projects
- **Jul. - Aug. 2021:** selection of a contractor (consultant) and commencement
- **Dec. 2021 (subject to consultation):** interim presentation, field training
- **April 2022 (subject to consultation):** final presentation

6 To Note

- Eligible applicants shall be are limited to central or federal governments or local governments.
- Proposed projects might not be selected due to budget constraints.
- For further details, please refer to the contract details below.
(phone) +82-2-789-9725 / (e-mail) kcitysolution@kaia.re.kr



- 【Appendix No.1】 K-City Network - Solution Program Overview
- 【Appendix No.2】 Selection Process and Schedule
- 【Appendix No.3】 How to Prepare Applications and Matters to Note
- 【Appendix No.4】 (Form 1) Project Application Form
- 【Appendix No.5】 (Form 2) Project Proposal Template
- 【Appendix No.6】 (Form 3) Collaboration Commitment Letter
- 【Appendix No.7】 (Form 4) Consent Form of Cooperation
- 【Appendix No.8】 (Form 5) Document Checklist

Appendix 1 K-City Network - Solution Program Overview

1 K-City Network Program Overview

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

1.2 (Progress) Master planning and feasibility studies have been underway for 12 cities in 11 countries through K-City Network's international open call since 2020 (① six (6) urban development projects, ② six (6) solution projects).

2 How to Proceed with K-City Network - Solution Program

2.1 (Purpose) This program is intended to share smart city experiences with cities outside Korea willing to adopt Korean-style smart city development and support outstanding **smart city solutions** developed by Korean businesses to **access international markets**

2.2 (Description) The program supports **1)Solution Planning Projects** to set up smart city services, systems, and platforms, and **2)Solution Demonstration Projects**, which apply outstanding solutions from Korea to the existing infrastructure of cities overseas.

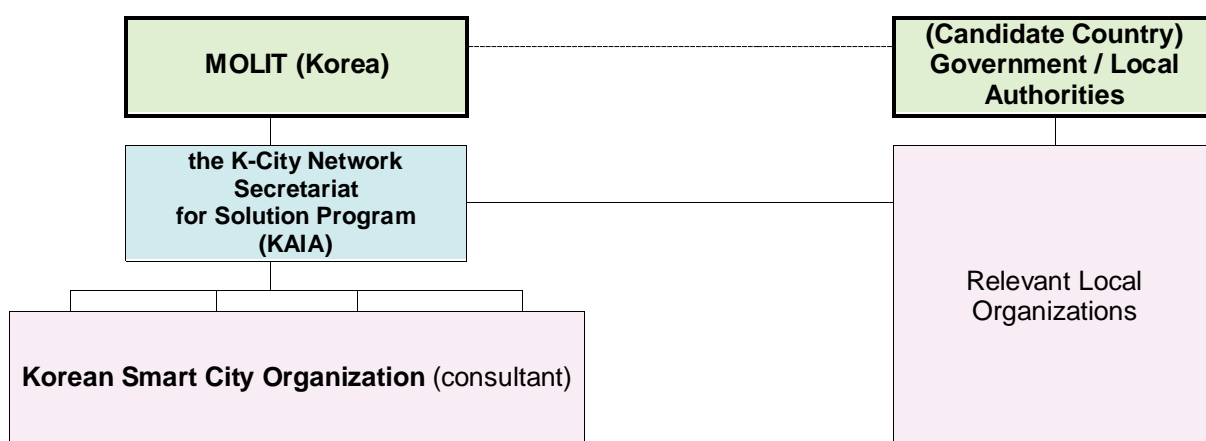
<Plan for K-City Network 2021 - Solution Program>

	Solution Planning Project	Solution Demonstration Project
Target Project	smart city solutions projects (services, platforms, or systems)	Oversea demonstration project of domestically commercialized smart city solutions
Scope of Support	concept design, master plan, feasibility study etc.	pilot operation & validation
Scale of Support	Approximately KRW 200 – 300 mil. per project / For up to 4 projects	Approximately KRW 400 – 600 mil. per project / For up to 3 projects
Applicants	Central governments and local authorities overseas	Korean organizations and businesses (must include an international partner in the consortium)
Project Period	Up to 10 months	Up to 11 months

3 Definitions

- **(K-City Network Program)** 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. The program consists of urban development type and solution type.
- **(Smart Solution)** Smart solutions refer to technologies to provide services and related platforms or systems in the areas of transportation, energy, environment, security, urban administration, etc.
 - * e.g. smart parking solutions, video monitoring platforms, and transportation card systems
- **(Solution Program)** Solution Program formulates a plan to develop and operate a standalone or packaged solution to address urban issues in fields such as transportation, energy, and the environment in cities overseas.
 - Solution Planning Project covers analysis of project conditions of the candidate city, recommending suitable solutions, reviewing project details, and considering feasibility for project implementation.
- **(Candidate City)** Cities overseas that need planning to deploy Korean smart city solutions or are interested in adopting and demonstrating smart city solutions developed in Korea.

- **《Implementation Structure (example)》**



* The Structure may be subject to change over the course of the program.

Appendix 2 Selection Process and Schedule

Process		Timeline	Details	Remarks
Request for Application		Feb. 18, 2021	• International call for applications	MOLIT → Foreign central and local governments
Submission of Application		Feb. 18 - Apr. 20, 2021	• One original application • One copy of the project overview	Foreign central and local governments → K-City Network Solution Program Secretariat (KAIA)
Evaluation	Preliminary review	~ May 2021	• Review of eligibility and of omission or incomplete documentation	KAIA
	1 st evaluation		• Evaluation based on the written materials	Public-Private Evaluation Committee
Selection	Negotiation over the scope of work	May ~ Jun. 2021	• Coordination of the scope of work between the Secretariat and the applicant country	KAIA
	Comprehensive evaluation		• Evaluation of the willingness for and areas of cooperation and • Finalization of the project site to receive support	Public-Private Evaluation Committee
Notification of Selection		Late Jun. 2021	• Announcement of selection and press release	MOLIT → Central and local governments
Selection of a contractor		Jul. – Aug. 2021	• Announcement and selection of a Contractor (consultant) (to be done in Korea)	KAIA → Contractor
Project implementation and management		Aug. 2021-	• Project implementation and budget execution management	
Interim presentation and field training		1 st half of 2022	• Interim presentation in and outside Korea • Field training	
Final presentation		1 st half of 2022	• Final presentation in and outside Korea	

* The timeline may be subject to change over the course of the program.

Appendix 3**How to Prepare Applications and Matters to Note****1. Application Guide**

- Please refer to the forms for the application.
 - Application documentation shall be comprised of a Project Application (Form 1), Project Proposal (Form 2), Collaboration Commitment Letter (Form 3), Consent to the Relevant Information Sharing and Cooperation (Form 4), Document Checklist (Form5) and Appendix (if needed) and be organized in the aforementioned order.
- Documents regarding the previous research/project and plan going forward in relation to the proposed project shall be submitted as an appendix along with the application.
 - The Project Proposal shall be up to 30 pages.
 - The application documents shall comprise one file and be submitted in PDF format.
 - Content written in italic **in blue** on the forms is for illustration purposes or to assist with preparation. Please remove the content in blue.
- The applicant must provide full support for any additional inquiries or requests for documents made by MOLIT or the K-City Network Solution Program Secretariat (KAIA).
- Any false or misleading statements in the application or fabrication of evidence may result in revocation of selection.
- Applicants will be solely responsible for any disadvantage arising from any errors or omissions in the submitted documents or unavailability.
- Depending on the number of submitted applications, competition, and evaluation results, the project budget and the number of projects receiving support may be adjusted.
- Matters related to the evaluation and selection under this program are subject to the authority of the Ministry of Land, Infrastructure, and Transport and the K-City Network Solution Program Secretariat (KAIA). The information regarding the Evaluation Committee members and evaluation details and results for each application will not be disclosed.

- The interpretation rendered the Ministry of Land, Infrastructure, and Transport and the K-City Network Solution Program Secretariat (KAIA) shall prevail to the extent of any question arising in relation to the interpretation of the Request for Applications.

2. To Note

- Only projects submitted for application by foreign central and local governments are eligible for support under this program. Please make sure to have the consultation between the central and the local governments concerned for the preparation as well as the submission of this application.
- The most suitable Contractor (consultant) will be selected in Korea for each proposed project, and the budget will be executed directly by the Ministry of Land, Infrastructure and Transport within the range of the support provided (KRW 200 – 300 mill.).
- This program does not constitute an ODA project.

Appendix 4 (Form 1) Project Application Form

K-City Network 2021 - Solution Planning Project Application Form

Applicant	<i>Country / name of the central or local government</i>	
Project Lead	<i>Name, title, division or department, organization (0000-000-0000) * The head of a government department or agency is eligible to be made a Project Lead</i>	
Contact	<i>Name, title, department, organization (0000-000-0000, e-mail) Name, title, department, organization (0000-000-0000, e-mail)</i>	
Proposed project	Project Name	K-City Network 2021 <i>- 000 Smart City Solution Planning Project (000 City, 000 Country)</i>
	Project Site	
	Project Area	<i>0,000 km² (m²)</i>
	Project Type	<i>*e.g.) Services, systems, or platforms related to administration, transportation, healthcare/welfare, environment/energy/water resources, crime prevention/disaster prevention, facilities management, education, culture/tourism/sports, distribution and logistics, labor/employment, housing</i>
Attachment	1. One copy of Project Proposal	
	2. One copy of Collaboration Commitment Letter	
	3. One copy of Consent to the Relevant Information Sharing and Cooperation	
	4. One copy of Document Checklist	

By signing below, the applicant hereby applies for the K-City Network 2021 - Solution Planning Project. The applicant certifies that the statements made in this application are true, and understands that an incorrect statement of fact may be grounds for permit denial or for permit revocation.

For the attention of the Minister of Land, Infrastructure and Transport.

_____	_____	____/____/____
Name, Title Organization	Signature	Date



Appendix 5 (Form 2) Project Proposal Template

**K-City Network 2021 -
Solution Planning Project
Proposal**

____ / ____ / 2021

(City Name)

Country / name of organization

K-City Network 2021 - Solution Planning Project Proposal Summary

※ Up to 2 pages

Lead Organization		Participating Organization <small>(private/public institution)</small>	
Project Name	K-City Network 2021 - ○○○ Smart City Solution Planning Project(○○○City, ○○○Country)		
Project Period			
Project Overview	<ul style="list-style-type: none"> ▪ <i>Project overview</i> ▪ <i>Areas of cooperation for the project</i> 		
Need for the Project	<ul style="list-style-type: none"> ▪ <i>Current state and major issues of the candidate city</i> ▪ <i>Background and need for the project</i> ▪ <i>Goals and implementation strategy</i> 		
Cooperation Measures for the Project	<ul style="list-style-type: none"> ▪ <i>Background of application to the Korean Smart City Solution project</i> ▪ <i>Plan to cooperate with Korea for demonstration of the solution</i> ▪ <i>Requests to the Korean government</i> 		
Further plans for Development Project after Solution Planning	<ul style="list-style-type: none"> ▪ <i>Estimated project budget</i> ▪ <i>Project implementation structure</i> ▪ <i>Funding plan for demonstrating the solution going forward</i> ▪ <i>Support available for implementing the solution</i> 		
Contact	<ul style="list-style-type: none"> ▪ <i>organization and department name</i> - <i>(Primary) name, title, area of responsibility (000-000-0000, abc@abc.ac.kr)</i> - <i>(Secondary) name, title, area of responsibility (000-000-0000, def@abc.ac.kr)</i> 		

Contents

I. Solution Planning Project Overview	1
1. Project name	1
2. Project overview	1
...	

1. Solution Planning Project Overview

1.1 Project name

K-City Network 2021

- ○○○ Smart City Solution Planning Project (○○○City, ○○○Country)

1.2 Project overview

Guide:

○ Location/area: address (legal and administrative name of the district) and zone

○ General statistics: the size of the economy, population, industry, housing, residential/floating population, and other statistics

○ Description of the conditions and location of the site, including the characteristics of the location, key infrastructure around the area, cultural facilities, commercial and educational facilities, mass transportation, and access to the metropolitan transportation network

○ Details of existing or newly planned smart city solution projects at the candidate site

○ Please include a map of the area and briefly describe the location on the map.

Project Overview	
Project Name	
Project Location	
Project Area	
Project Period	

Related solution projects planned or being implemented within the candidate site	- for each smart city solution
Others (if needed)	

1.3 Areas of cooperation with the country for the project

○ *Policy support for the implementation of 00 city's smart city solution from the relevant country and city*

1.4 Relevant department/agency of the country

**Please disclose if multiple agencies and organizations will serve as the competent bodies.*

- Competent authority:
- Relevant organization:
- Other relevant agency:
- Consultation between the central and local governments: ☐ (please check the box on the left-hand side if consultation is completed)

Central government :

Local government :

**If the target site straddles the jurisdiction of more than one organization, or if there are multiple related organizations, it is necessary to appoint competent authority and specify the role of each organization. If central government (Ministry related to infrastructure facilities) is appointed as a competent authority, please describe the contents of the consultation with the local government and add the signature of the person in charge to (Form 3) Collaboration Commitment among Relevant Organizations*

2. Need for and Feasibility of the Project

2.1 Smart city-related policy or implementation strategy

○ *Please describe a smart city-related policy or national implementation plan of the country*

2.2 Current state and major issues of the candidate city

- *Please describe the current social and economic state of the city*
- *Please present the need for a smart city solution based on analysis of the city's current state and issues.*



2.3 Background and need for the project

- Please describe how the proposed project is linked to existing smart city policy or projects in light of 2.1.*
- Please explain the background of adopting a smart city solution in the candidate city.*
- Please describe the need, rationale, and urgency for a smart city solution project.*
- Please expound on the need for cooperation with the Korean government*
e.g.) selection in line with national development plan

2.4 Related smart technologies and infrastructure deployed in the city

- Please explain related smart technologies and infrastructure deployed in the city*
- Please describe technologies or the area to which they will be applied or plan for adoption in the city.*
- Please present some representative solutions that need to be deployed for solving the urban problem*

2.5 Goals and implementation strategy of the project

- Key objectives to be achieved through the adoption of the smart city solution and implementation strategy*
- ※ These need to be in line with the country's policy and local demand.*

3. K-City Network Application Overview

3.1 Type of smart solution

- The applicant can choose one or more smart solution types based on the need.*
**e.g.) shared smart parking solution, smart street lamp, smart crosswalk, intelligent video analysis platform, smart park, customized citizen service, intelligent crime prevention system, etc.*

3.2 Application field and the scope of work

- The applicant can choose one or more fields for the scope of work for the proposed smart city solution project.*
**e.g.) ① Master plan: a master plan outlined by the purpose or objectives of the project*



② Pre-feasibility study: policy implications, economic feasibility, and efficient and realistic project implementation measures to be presented

Feasibility study: study of project viability, feasibility and investment effects (technological, economic, and financial aspects to be looked into)

3.3 Measures for cooperation with Korea to demonstrate the solution and requests to be made to Korea

※ Please describe areas where cooperation with Korea is needed in order to introduce and deploy Korean smart city solutions and various cooperation measures such as joint operation plans (e.g., support for infrastructure, joint system development)

○ Please elaborate on the requests to be made to the Korean government or organizations pertaining to the deployment of a smart city solution in the candidate city.

4. Smart solution development plan

** Please elaborate on the project to be implemented after or in connection with the K-City Network Program.*

4.1. Estimated project budget

○ Estimated project budget including total project budget and a detailed breakdown

4.2. Project implementation structure

○ Figure or diagram that shows project implementation structure and project organization for a smart city solution project

4.3. Funding plan including private funds for solution demonstration down the road

○ Measures to ensure the participation of various parties to implement the project and plans for support and incentives

○ Please present a plan as to how to secure funding from various sources, including the government and investment from the private sector to implement the project.

*○ State whether the applicant is willing to adopt an investor-friendly policy
e.g.) The government will secure the land for demonstration of the solution (ensuring the availability of land)*



The government, for demonstration of the solution in the future, will build mainline facilities such as a ramp, power supply, water supply, and sewage treatment with its own financial resources.

The government will provide support so that the process of obtaining a permit in relation to the solution's demonstration is facilitated.

Up to ○ ○ % of the rent/pre-sale risk will be borne by the government.

Lease-type Public-Private Partnership available

Tax benefits, government guarantees, etc.

4.4. Target site selection for the solution project

○ Current condition of the target demonstration site, whether it is available for the solution project, demand for move-in or move-out measures and compensation and plans going forward

○ Need to demonstrate the solution in consideration of the current state of the target site and its characteristics

4.5. Timeline going forward

○ Timeline if the smart city solution project is launched and implemented

○ Please elaborate on key milestones such as solution demonstration and expansion of project and target.

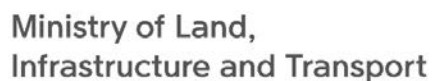
5. Others

5.1. Relevant Korean government department and partner organization (corporation)

○ Name of the partner organization

○ Description of key areas of cooperation between the two countries.

○ Please include evidence of prior consultation with the Korean government department and partner organization (corporation).



Appendix 6 (Form 3) Collaboration Commitment Letter

**Please disclose if multiple agencies and organizations will serve as the competent bodies*

K-City Network 2021 - Solution Planning Project

Collaboration Commitment among Relevant Organizations

Concerning the K-City Network 2021 - Solution Planning Project proposed by 000 City, we hereby undertake that relevant organizations will engage in prior consultation for smart city solution planning and render cooperation as specified below.

Organization	Department /Division	Contents of consultation	Name and Signature Of the Head
Competent Authority			
Relevant organization 1			
Relevant organization 2			
Relevant organization 3			

For the attention of the Minister of Land, Infrastructure and Transport

Federal/Central Government

_____/_____/_____
 Name, Title Signature Date
 Organization

Local Government of the Candidate City

_____/_____/_____
Name, Title Signature Date
Organization

Appendix 7 (Form 4) Consent to the Relevant Information Sharing and Cooperation

Consent to the Relevant Information Sharing and Cooperation			
Project Name			
Applicant		Project Lead	
In applying for the K-City Network 2021 - Solution Planning Project, we (organization or agency) hereby consent to the following:			
<p>○ Do you agree to disclose the key points of the project overview in order to help the consultants participating in the call for Contractors (consultants) better understand this project if selected for this program?</p> <p style="text-align: center;"><input type="checkbox"/> I agree <input type="checkbox"/> I disagree</p>			
<p>○ Do you agree to disclose the project overview in its entirety to a Contractor to facilitate planning after a Contractor is selected?</p> <p style="text-align: center;"><input type="checkbox"/> I agree <input type="checkbox"/> I disagree</p>			
<p>○ Do you consent to the following items for cooperation in order to support a Contractor for smooth planning, if selected for this program?</p> <p>- (internal consultations) Coordination with other partners and relevant authorities during the Program</p> <p>- (sharing of materials) Materials regarding previous research/projects and plans going forward in relation to the proposed project to be submitted alongside the application</p> <p>- (coordination) To designate a contact person to facilitate communication with the Contractor and provide additional materials</p> <p style="text-align: center;"><input type="checkbox"/> I agree <input type="checkbox"/> I disagree</p>			
<p>○ Do you consent to the possibility of adjusting the scope of work due to budget constraints?</p> <p style="text-align: center;"><input type="checkbox"/> I agree <input type="checkbox"/> I disagree</p>			
<p>○ Do you agree to provide relevant materials to those who are interested in the proposed project, including a consultant, if requested, although you are not selected?</p> <p style="text-align: center;"><input type="checkbox"/> I agree <input type="checkbox"/> I disagree</p>			
<div style="display: flex; justify-content: space-between; align-items: flex-end;"> <div style="width: 30%;"> <p>_____</p> <p>Name, Title Organization</p> </div> <div style="width: 30%;"> <p>_____</p> <p>Signature</p> </div> <div style="width: 30%;"> <p>____/____/____</p> <p>Date</p> </div> </div>			
For the attention of the Minister of Land, Infrastructure and Transport			

※ This form shall be prepared by all participating organizations (Lead Organization and Member Organization).

Appendix 8 (Form 5) Document Checklist

Document Checklist

No.	Documents List	No. of copies	Remarks	Submission Status (√)
1	Project Application	1	Form 1	<input type="checkbox"/> Yes <input type="checkbox"/> No
2	Project Proposal	1	Form 2	<input type="checkbox"/> Yes <input type="checkbox"/> No
3	Collaboration Commitment Letter <i>*Please disclose if multiple agencies and organizations will serve as the competent bodies</i>	1	Form 3	<input type="checkbox"/> Yes <input type="checkbox"/> No
4	Consent to the Relevant Information Sharing and Cooperation	1	Form 4	<input type="checkbox"/> Yes <input type="checkbox"/> No
5	Document Checklist	1	Form 5	<input type="checkbox"/> Yes <input type="checkbox"/> No

Lead Organization: _____ Project Lead: _____ (signature)