



Ministry of Land,  
Infrastructure and Transport



**KIND**  
Korea Overseas Infrastructure &  
Urban Development Corporation

# Latest smart city demands and KIND's support program

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# K-City Network's speed and simplicity derived favorable reception from governments and municipalities around the world

- **The program is funding**

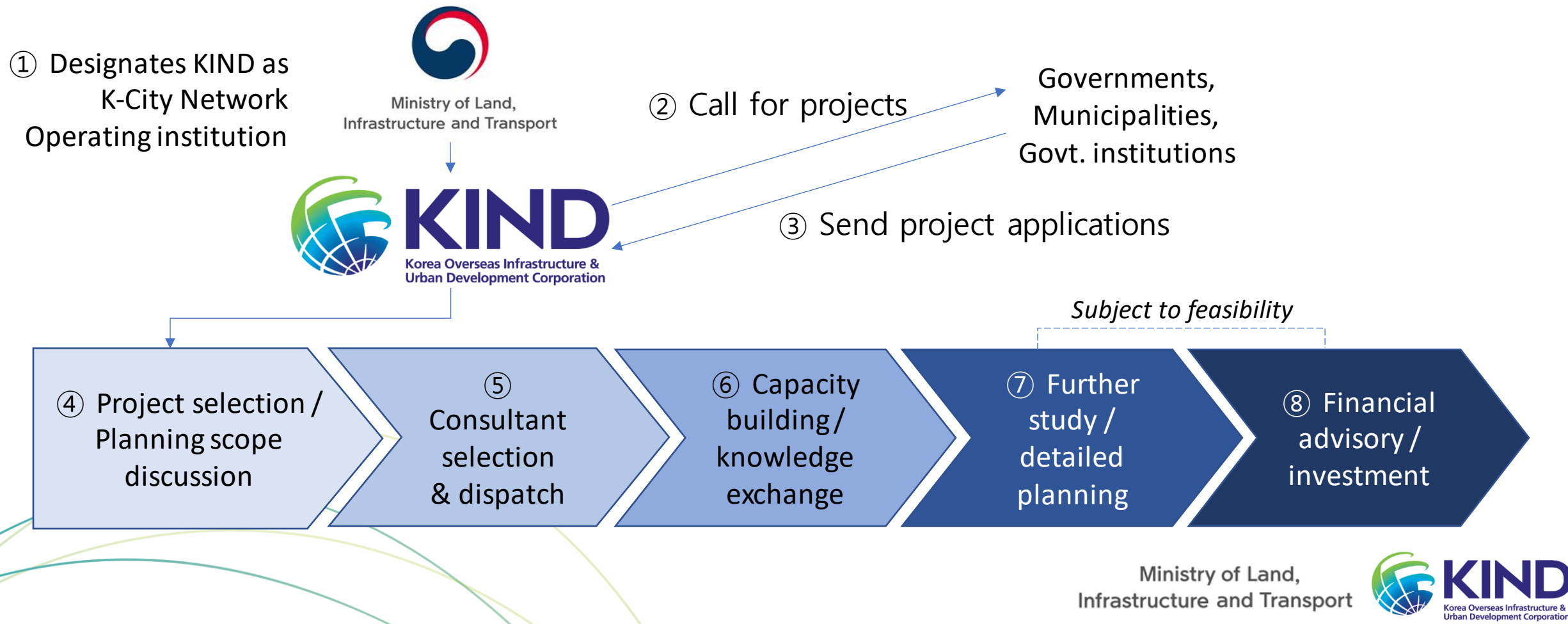
- 1) Project planning/analysis
- 2) Online/offline capacity building
- 3) (For private companies) Smart solution demonstration

- **Merits of the program**

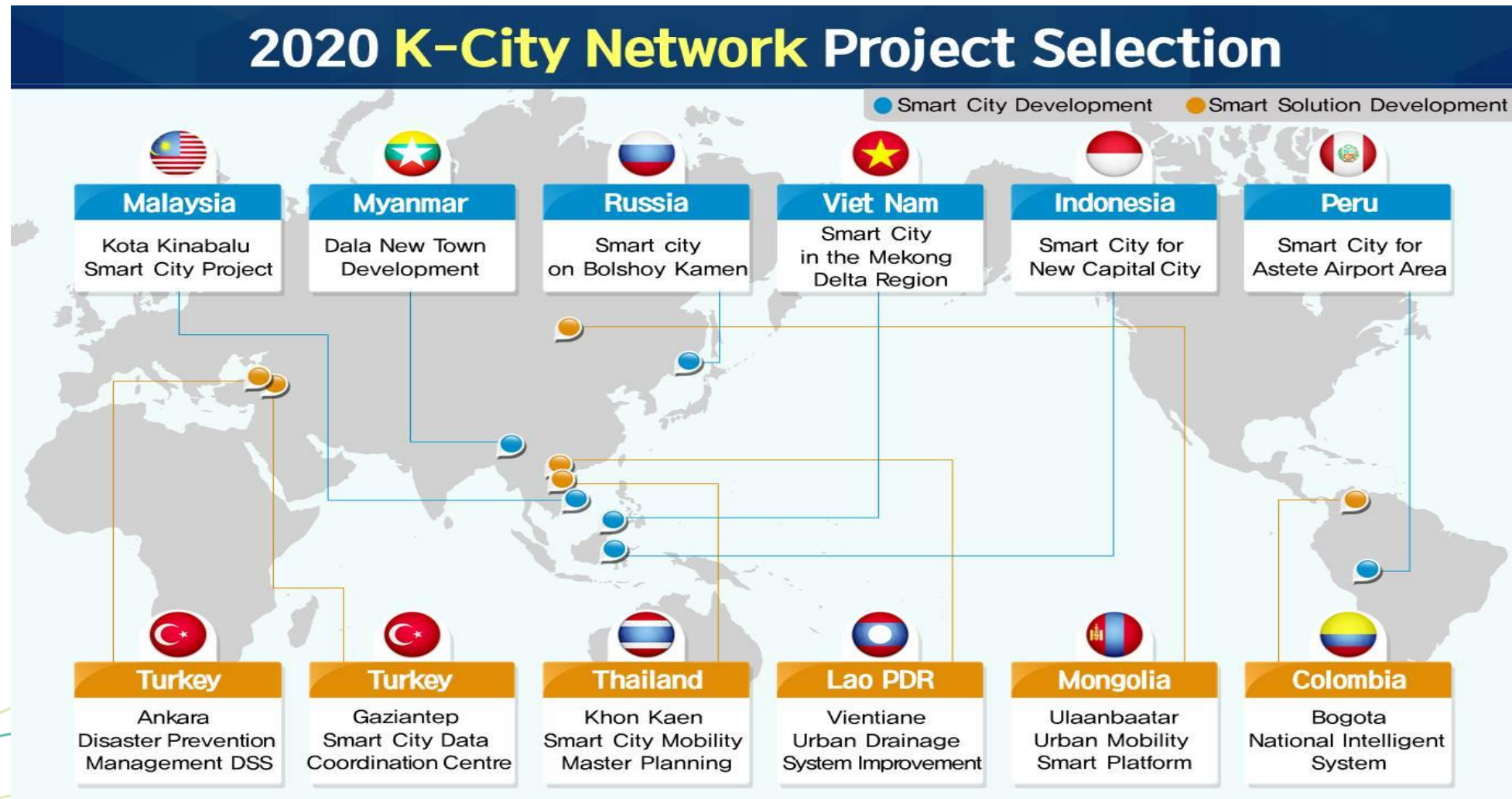
- 1) Speed: Apply in 1Q / Selection in 2Q / Consultants hired and kick-off in 3Q
- 2) Simplicity: Application form is simple and does not require long time to edit
- 3) Open for the level of smartness

# The program is budgeted by MOLIT and operated by KIND, while actual planning/analyses are carried out by external consultants

## • Structure of the program

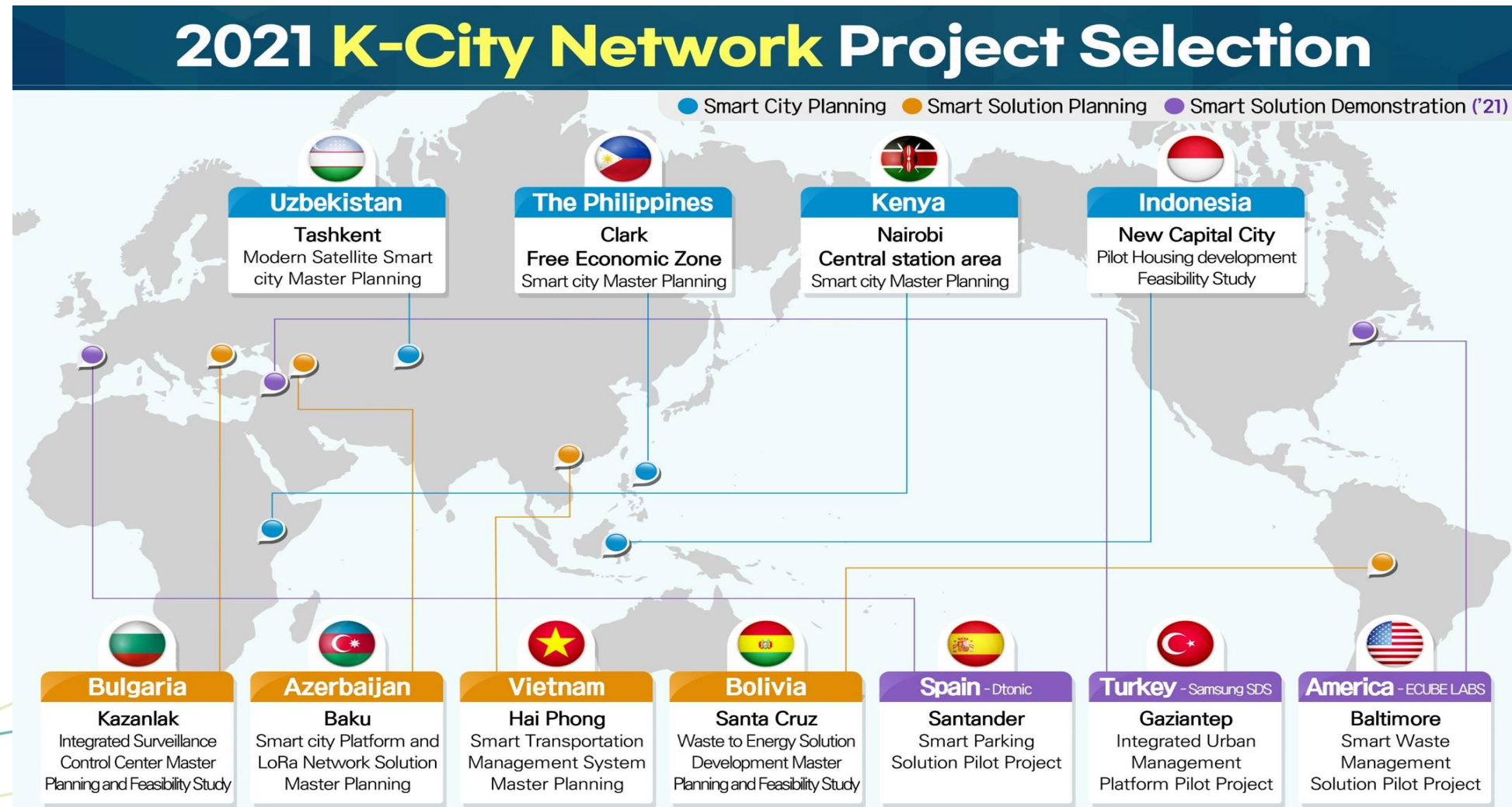


# K-City Network provided planning/analysis to 12 projects in 2020, and just finished selecting 11 for 2021





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# Despite its short history, the large volume of applications provides insights on latest demands of smart city development

- **Smart city development purposes**

- 1) Tackle existing city's urban problem

Clark Smart city, PH

Nay Pyi Taw Smart metering, MM

- 2) Future-proof new city development

New capital city housing pilot, ID

Ha Tinh Smart city, VN

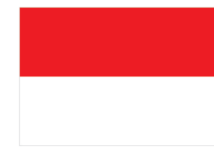
- 3) Smarter tourist locations, campuses

Penang Island New township, MY

Pankor Island Smart mobility, MY

- **Smart city development governance**

- 1) Federal government's initiative



- 2) Regional government's initiative



- 3) Regional demands collated by  
Federal



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# Despite its short history, the large volume of applications provides insights on latest demands of smart city development

- **Most requested smart solutions**

- 1) Transportation / mobility

Subic Bay port, PH

Danang, VN

Hai Phong, VN

- 2) e-Government incl. security/safety

Jakarta geospatial, ID

Panabo, PH

Phnom Penh, KH

- 3) Water / environment management

Nay Pyi Taw, MM

Klang air pollution, MY

- **Other insights**

- Successful engagement brings the next step engagement
- A few advantages naturally lead to awareness and demand increase
- # from Regional >> # from Federal

# To realize these smart city projects, there are works to do for each stakeholder

## Government

G1

### Visionary urban planning

- Future-proof rule setting
- Consider induced demands

G2

### Setting rules and incentives

- Freezing price / sales
- Transferrable tax incentives

## Private Sector

P1

### Motivation and Innovation

- Seoul multimodal terminal
- Re-paving Gangnam stn. area

P2

### Financing and Investment

- Equity/fund investment
- Loans/Guarantees

## DFIs, MDBs

D1

### Knowledge/info sharing

- Policy advisory to govt.
- Info sharing among DFIs

D2

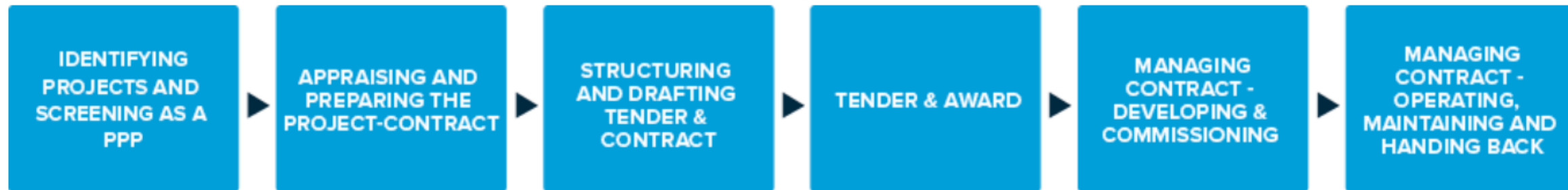
### Leading blended financing

- Realistic phasing
- Proactive structuring



# A long list of K-City Network's unsupported projects is invaluable information ADB and KIND can collaborate with

- K-City Network, ADB, and KIND's works over a PPP lifecycle



© ADB, EBRD, IDB, IsDB, MIF, PPIAF and WBG 2016

- Source to identify potential smart city projects
- Master planning, Feasibility analyses to make 'Green light' decision

- Technical assistance
- Transaction advisory
- Loans, guarantees

- Financial advisory / structuring
- Equity / Fund investment
- Sponsor's duties



K-City  
Network

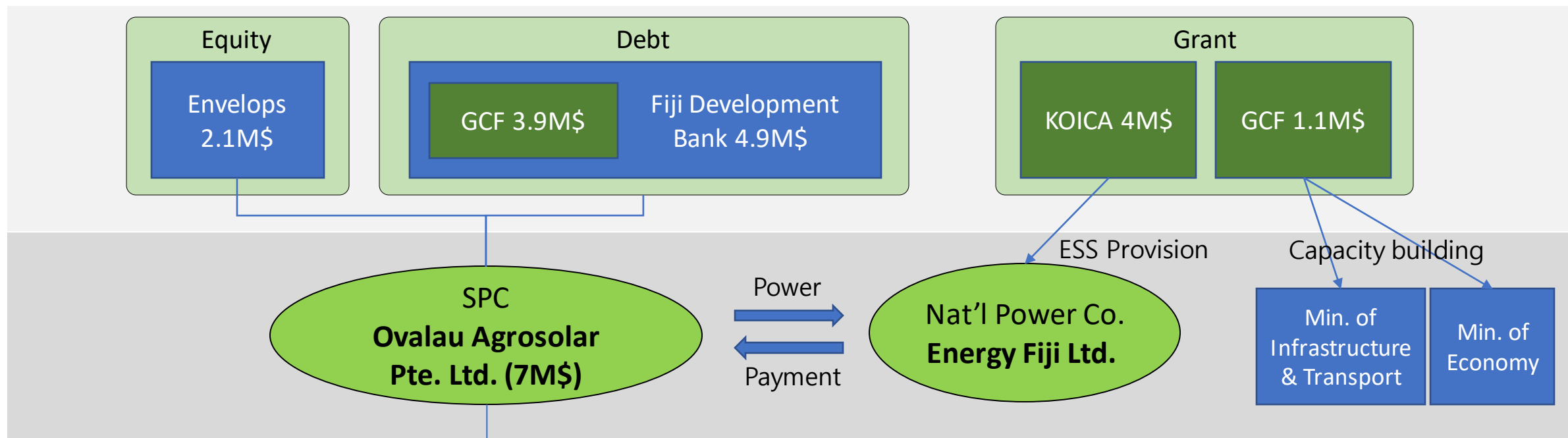
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# One recent renewable IPP deal shows that meeting stakeholders' needs and targets will lead to a good blended financing structure

- **Fiji solar + ESS PPP structure**

Source: Development Marketing Institute  
(modified for presentation purpose)



- *KOICA effectively filled up the project's viability / govt's affordability gap*
- *GCF fulfilled all its targets: lending + grant for capacity building + renewable generation rollout*

# Thank you very much



Presenting

added-value to overseas construction projects



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