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Preparation of Engagement in the ADB Projects

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- Potential Opportunities in ADB
- Strategies and market placement of international firms
- Goal and direction for Taiwanese firms to engage in the ADB projects.



Problems in the cities



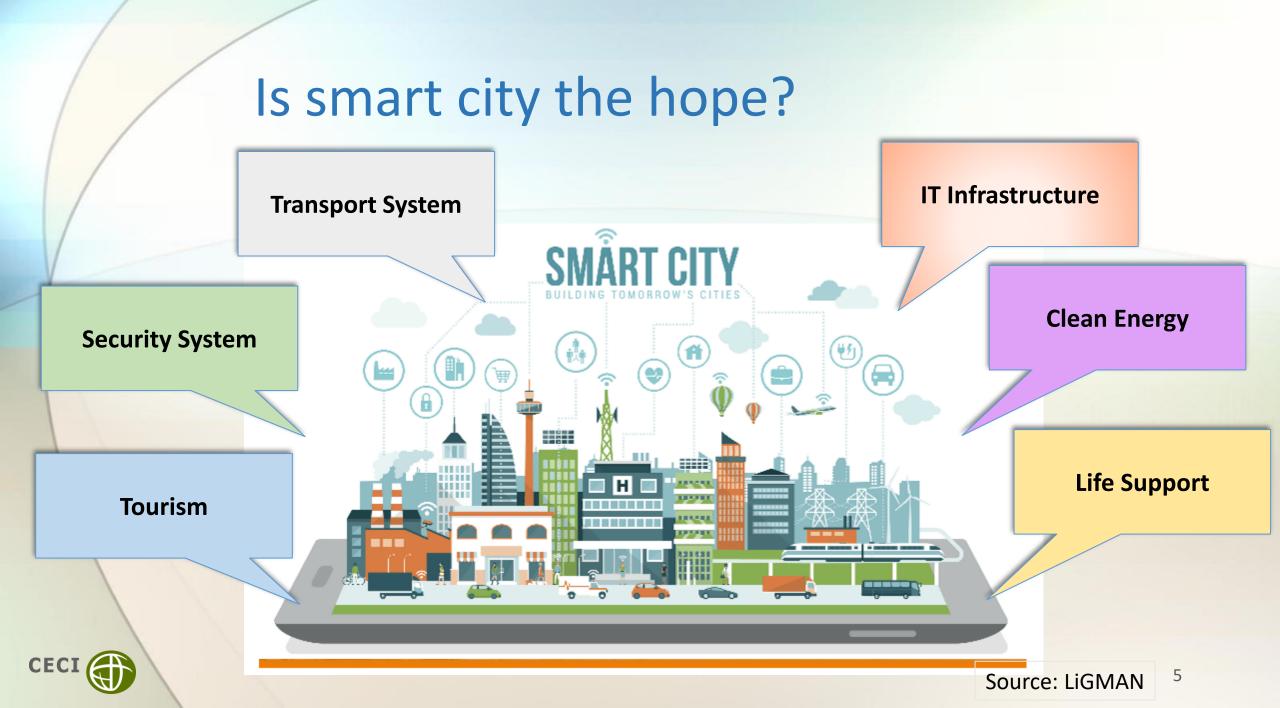










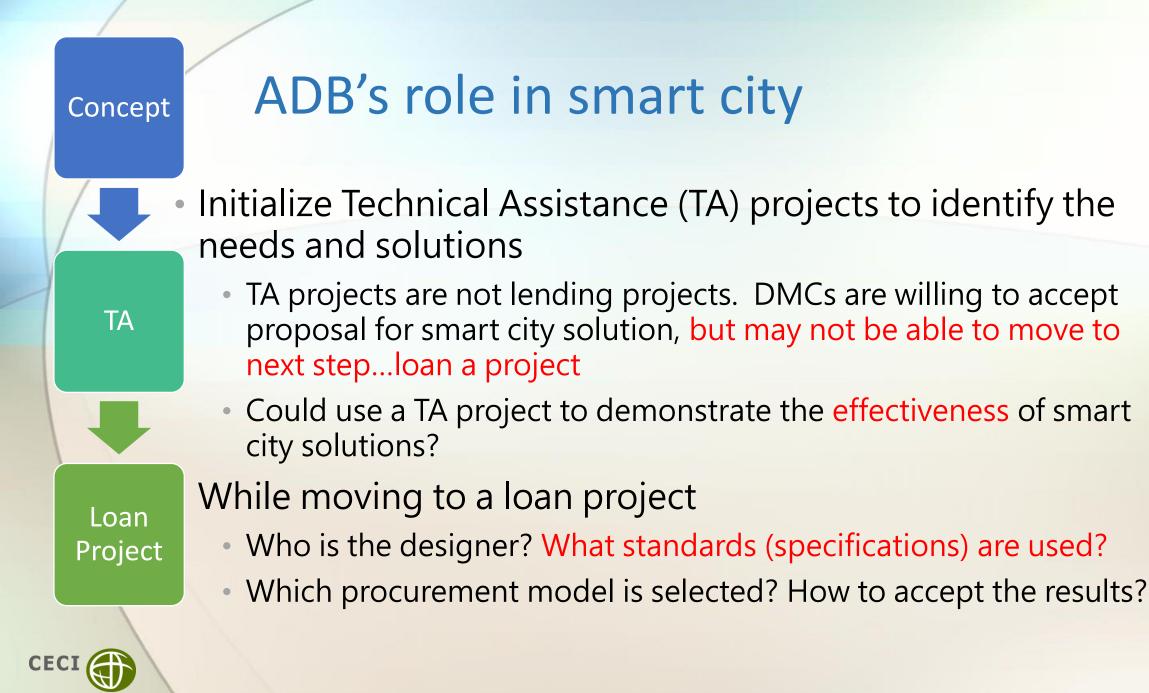


Solutions

- ICT solutions
 - 5G, AIOT, Smartphones and applications, e-Government, Virtual stores, Distance education, Telemedicine, Security (Disaster mitigation), Financial activities
- Smart transport and mobility enhancement
 - Intelligent Transport, ETC, Smart cards, Advanced logis
- Energy
 - Renewable energy, Energy storage, Green products



- Life supports
 - Water Management, Recyclables, Greenhouse plantation, Food banks



Technical Assistance (TA)

- Technical assistance (TA) helps ADB's developing member countries (DMCs) implement projects, improve capacity, promote technology transfer and stimulate regional cooperation.
- Who will be recruited?
 - Consulting Firms and Individual Experts
 - Abundant local experience
 - Knowing solutions and policies
 - Proficiency in English and Local Language





Loan Projects



- ADB provides financing for projects in developing member countries (DMCs) that support economic growth and social development. Projects are identified in partnership with DMCs during strategic planning processes.
- The various stages that each project goes through, from country programming, project design, to project completion, and evaluation are known collectively as the ADB project cycle.
- Who will be recruited? (by Executing Agency, EA)
 - General contractors both international and local
 - Suppliers, project supervision teams and evaluators



Strategies and market placement of international firms



Strategies for international firms

- Locking in certain countries
 - Following major development such as intercity railroads, rural road reconstruction, mass rapid transit and critical infrastructures.
 - Linking local consultants, or being a local consultants
- Being familiar with regional development
 - Cross-border projects such as GMS (Greater Mekong Subregion)
- Being sensitive to important issues
 - Climate changes, Safeguard, Inclusion and Green products



Other promotion activities

- Demonstration projects funded by international cooperation agencies
 - Electric vehicles (EV) and charging stations
 - Solar farm (photo-voltaic panels, PV panels)
 - Data Center
- Bridging the gap



- Before implementing smart city solutions, how to improve existing infrastructure? e.g. ICT
- Who will pay for the upgraded services?
- What are the examples that show the results?



Goal and direction for Taiwanese firms to engage in the ADB projects



Do we have enough experts?



- We have accountable engineers, but we don't have
 - Project Managers with plentiful international project experience
 - Socialists solving gender and balancing development between urban and rural areas
 - Public Health Experts solving health issues such as pandemic
 - Environmentalists coping with climate changes and substantiality
 - Green Design Specialists recyclables, reuse, energy saving products

Do we have enough side supports?

Procurement Specialists

- Knowing rules and regulations
- Hand-on experience
- Legal and Contract Specialists
 - Managing contract
 - Client Communications
 - Examination of local legal issues related to the project
- Finance Specialists
 - Financial and investment models
 - Estimate project costs and expected profits





ADB Evaluation Criteria

- Company Experience
- Roles and capability for team members
- Solutions that meet TOR requirements
- Reasonable price estimations
- Proper time and staff schedules
- Solid deliverables fit the client's demand
- Awarded (Congratulations!)





Challenges ahead

- Operation and Maintenance (O&M)
 - Unlike the traditional infrastructure, smart city solutions may require long-term operation and maintenance
 - Supports from local partners or on-site permanent staff
- Shorter product life cycle
 - 5-10 years working life for most of electronic parts
 - Continuous technologies evolution
- Compatibility
 - Linking other services and interoperability issues
- Price competitiveness





Conclusion



- Consultants and suppliers shall implement the project and deliver the results on time, with quality, within budget, and in accordance with government and ADB policies and procedures.
- Smart city solutions may require pilot studies or project demonstration to attract clients' interest where full-scale implementation could follow.
- In addition to excellent engineering, project management team should include social, environmental, gender, energy and finance aspects to ensure a successful project.





Thank you

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