DIRECTING HO CHI MINH CITY TOWARDS A SMART CITY
▪ Resolution no. 16-NQ/TW of the Political Bureau on Developing modern and civilized Ho Chi Minh City as a special city and a leader in industrialization and modernization; increasingly contributing to national and regional areas; gradually becoming a major center of economics, finance, commerce, science and technology of the country and ASEAN region; actively participating in transforming Vietnam into a modernized-oriented industrial country in 2020.

▪ The resolution of the Communist Party of Vietnam in Ho Chi Minh City's 10th Congress on the development of Ho Chi Minh City into a civilized, modern and warm-hearted city which provides a good quality of life; as a motivation in modernization and industrialization to become a major center of economics, finance, commerce, science and technology in ASEAN region.
Strongly developing of science, technology and innovation as the main driving force for socio-economic development in association with the development of the knowledge economy.

7 break-through programs

- Human resources quality improvement program
- Administrative reform program
- Economic competitiveness and development program
- Traffic congestion and traffic accidents reduction program
- Urban flooding reduction program
- Urban renovation and development program
- Environmental pollution reduction program

SMART CITY
GENERAL OBJECTIVES

1. Drive economic growth toward a knowledge economy
2. Enhance livability and workability
3. Facilitate smarter governance
4. Increase citizen participation in city governance
5. Improve operational integration
SMART CITY

GOVERNMENT
- Building e-government
- Linking and sharing data

CITIZEN
- Enhancing the interaction between government and citizen
- Providing facilities for citizen

ENTERPRISE
- Creating a transparent, simple and convenient environment for enterprises
MAIN CONTENT

1. Propose an Open ICT framework
2. Building a Shared Data Warehouse and developing an Open Data eco-system
3. Establishing Security Operations Centre (SOC)
4. Building a Smart City Operations Model
5. Focus areas:
   E-government; Traffic congestion and traffic accidents; Urban flooding; Environment; Health services; Food safety; Public security; Urban renovation and development;
6. Communications and training plan - supporting citizen to participate in smart city operation
7. Recruiting and training plan – improving the capacity of the management team and technical staff of the City to operate smart city
IoT PLATFORM

❖ Benefits:
- Support to **connect multiple IoT platforms**, satisfying different solutions, applications as well as different IoT devices.
- **Use the big data analysis systems, shared data warehouses, Enterprise Service Bus** → improving resource efficiency; enhancing interconnection between applications; saving cost for storage and analysis systems.
- Use the cloud platform to save costs, the ability to expand as required.
- Ensure consistency in the management of security and data safety
IoT PLATFORM

❖ Main functions:
- Connect and manage sensor devices
- Gateways
- Collect and analysis data
- Provide programming interfaces for user applications
- Build the principles, open standards throughout each subclass of the system, support for maximum responsiveness, compatibility with different platforms, solutions and IoT devices.
GOALS TOWARDS 2020

- **COMMAND DOCUMENTS**
  - 80% of documents is in electronic form

- **IT APPLICATIONS FOR PROCEDURE & SECTOR MANAGEMENT**
  - 100% Districts
  - 80% Departments apply ISO standards

- **E-SERVICES**
  - 100% public services provided online (level 3, level 4)
Towards developing of open architecture

1.1 – Independence to suppliers

1.2 – Unified architecture

1.3 – Integrated connection
1.1 - Independence

DEPENDENCE ON SUPPLIERS

Customer

1. Requirements on system architecture
2. Requirement on application development

Supplier A
Supplier B
Supplier C
Supplier D

Application 1
Application 2
Application 3

DEVELOPING ON OPEN ARCHITECTURE

Customer

Requirement on application development

Supplier A
Supplier B
Supplier C
Supplier D

Application 1
Application 2
Application 3

OPEN ARCHITECTURE
1.2- Unified architecture

Source: Official letter no. 1178/BTTTT-TTTH dated on 21st April 2015 of the Ministry of Information and Communications

Architecture of e-Government in provincial level
1.3 – Integrated connection

Integration in commands amongst 4 levels

- Central Government
- HCMC People’s Committee
- Department/District level
- Ward/Commune level

Integrated and shared common database

- Healthcare
- Social, cultural
- Economics
- Urban management
- Environment and natural resources

One-stop service

- Vietnam E-service portal
- HCM City E-service portal

Department E-services

District E-services
For enterprises:
- To propose specific projects for implementing the smart city master plan, in which, pay more attention to calling for resources from society;
- To encourage enterprises to invest and lease IT services in order to quickly and effectively deploy IT applications

Receiving comments for the scheme:
Consulting debates and comments from the City People’s Council, Vietnam’s Fatherland Front in Ho Chi Minh City, socio-political organizations, specialists, business’s representatives, start-up enterprises, young intellectuals, associations, foreign firms in Ho Chi Minh City.
Thank you