

Digitalization towards smart city

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General information

Hanoi capital is the political, economic, cultural and scientific center of Vietnam

Area: 3,323 km²

Population: **7 million**

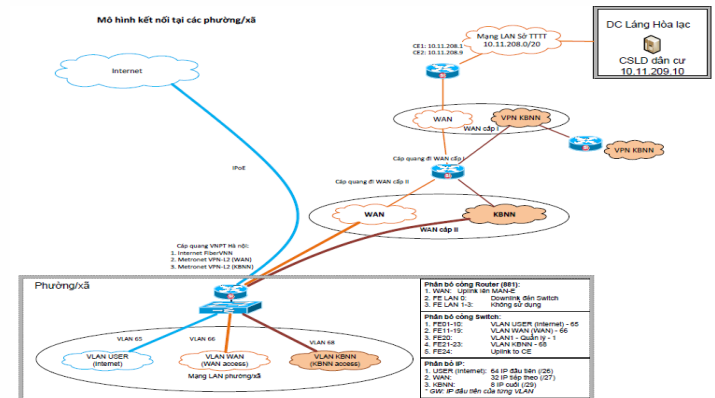
Administrative units: **30** units
at district level and **584** at
commune level



I. Opportunities for digitalization

Firstly, the commitment of the authority and desire of the city dwellers for modernization of public services

Since 2012, Hanoi has adopted its IT development plan with objectives of putting in place e-government and e-commerce by 2020



Large-scale internet system



One door administrative system



I. Opportunities (cont)

Secondly, IT application in transportation, education and health care has gained encouraging results



I. Opportunities (cont)

Thirdly, Hanoi enjoys broadband communications infrastructure with 11 million mobile phone subscribers with 40% using smartphones in 2015 and 70% in 2018, paving the way for artificial intelligence penetration into daily life



Smart phone with IOT



I. Opportunities (cont)



Fourthly, Vietnamese and Hanoian companies active in IT are eager for start-up business



I. Opportunities (cont)

- *Fifthly, the 4.0 industrial revolution is bringing up opportunities to all countries, especially developing ones for augmenting productivity and narrowing the development gap*



II. Challenges

- *Firstly*, its vast natural area and huge population require much resources and investment; investment should be prioritized and focus to create breakthroughs while patchy investments are not conducive to fulfillment of criteria for smart city



II. Challenges (cont)

- Secondly, there is a gap between “smart city” works and reality, including the realization of “smart transport” which is an important building block of smart city



II. Challenges (cont)

- *Thirdly, both city's authority and enterprises do not have opportunities to work with and learn practical experience from partners who have capabilities in this area*





III. Cooperation for high tech development

Technical transfer, modern equipment for smart transportation, IT application in urban management, planning, construction and compilation of digital land map to improve public services; technical transfer in clean and organic agriculture; exchanges of delegations, ideas, experience and research with regard to smart city, etc.





THANK YOU

