Building Malaysia's Smart Cities

4 April 2019

Components of a Smart City

Smart Economy
High productivity, innovation and utilisation of ICT in all sectors

1

Smart People
Empowered community
Talented human capital

4

Smart Living
Urban safety and security
High quality of healthcare services

2

Smart Government
Open data, data sharing
Quality e-Govt services

5

Smart Environment
Clean environment, sustainable resources
Disaster resilience, green lifestyle

3

Smart Mobility
Seamless efficient connectivity
Integrated and safe public transport

6

MCMC

The National Fiberisation & Connectivity Plan (NFCP): a bridge to the Smart City vision

Robust, pervasive, high quality and affordable digital connectivity for the well-being of the people and progress of the country

Address issues that hinder the widespread availability of high quality and affordable digital connectivity

Support the needs of the country moving forward & harness opportunities offered by new services / technologies

Provide clarity in terms of strategic directions for initiatives to support the digital economy & adoption of future technology

Implementation plan of five years
[2019 – 2023]

The targets under the NFCP are important to support development of Smart Cities

1 Entry level fixed broadband package at 1% of GNI (2020)

2 Gigabits availability in selected industrial areas by 2020, all state capitals by 2023

3 100% availability for premises in State Capitals & selected high impact areas with a minimum speed of 500 Mbps (2021)

4 20% availability for premises in sub-urban & rural areas with up to 500Mbps (2022)

5 Fiber network passes 70% of schools, hospitals, libraries, police stations and post offices by 2022

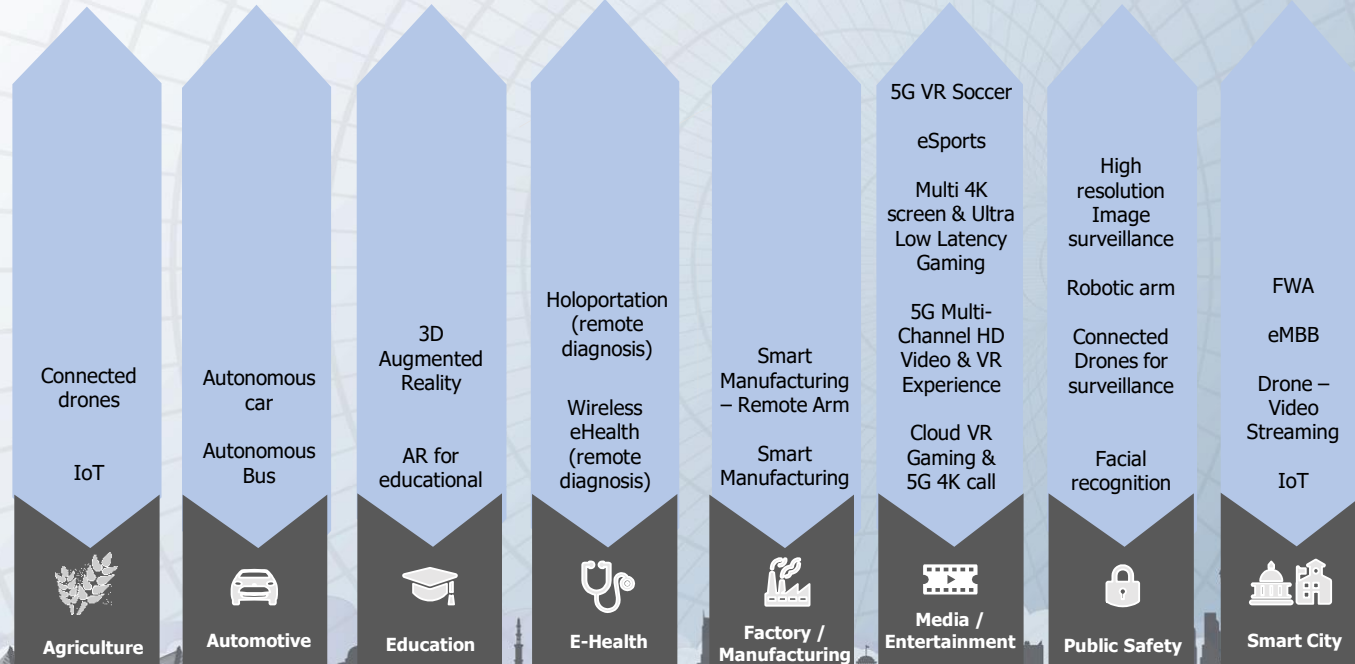**6** Average speeds of 30 Mbps in 98% of populated areas (2023)

7 Improving mobile coverage along Pan Borneo highway upon completion

MCMC

Catalysing the development of a Smart City: 5G Taskforce & 5G Test beds in Cyberjaya, Putrajaya

- 5G Taskforce is a multi-stakeholder task force formed in November 2018 to study and make recommendations on nationwide 5G implementation to support the future needs of Malaysia's digital economy.

- 5G Test beds are meant to explore the practical uses, technologies and modes of implementation for 5G.

Agriculture	Automotive	Education	E-Health	Factory / Manufacturing	Media / Entertainment	Public Safety	Smart City
Connected drones IoT	Autonomous car Autonomous Bus	3D Augmented Reality AR for educational	Holoportation (remote diagnosis) Wireless eHealth (remote diagnosis)	Smart Manufacturing – Remote Arm Smart Manufacturing	5G VR Soccer eSports Multi 4K screen & Ultra Low Latency Gaming 5G Multi-Channel HD Video & VR Experience Cloud VR Gaming & 5G 4K call	High resolution Image surveillance Robotic arm Connected Drones for surveillance Facial recognition	FWA eMBB Drone – Video Streaming IoT

THANK YOU