



MARIM Conference 2017

Empowering Citizens: Challenges in Developing Smart Societies

Mahadhir Aziz
26th July 2017

Cyberjaya - Global Tech Hub Blueprint



CYBERVIEW
Living Lab | Talent



CYBERVIEW
Living Lab | Accelerator



CYBERVIEW
Living Lab | Pilot

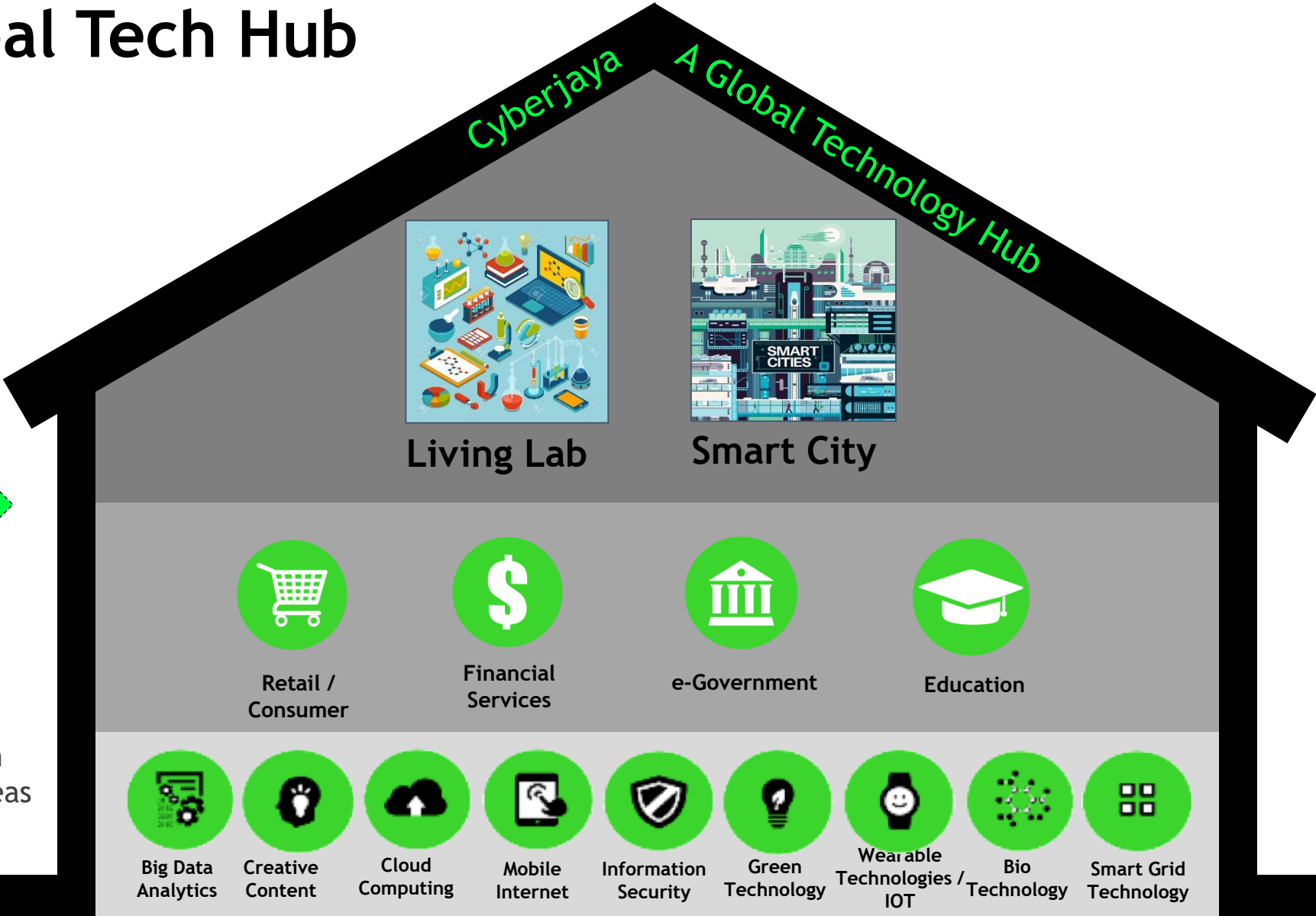


CYBERVIEW
Living Lab | Enterprise



Industry
Focus

GTH Tech
Focus Areas



Cyberview Living Lab concentrates on 4 key programmes to enhance & encourage growth of local talent, local IPs, startups & SMEs



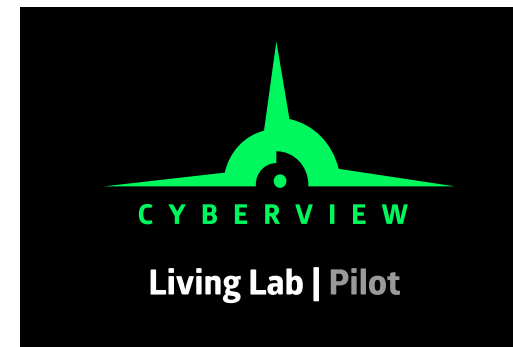
Grooms talent from the young and impressionable to aspiring university students

Talent Partners :



Acceleration of products or services through intensive mentorship, initial funds, network alliances, marketing & access

Accelerator Partner & Startups :



A platform to test and validate proof of concepts and prototypes fit for commercialisation

Pilot Partners & Projects :

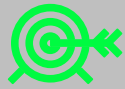


Connects businesses with profitable public-private partnerships and linkages

Corporate Partners :



Cyberjaya Smart City - The Overview



Objectives

Cyberjaya as a Smart City involves the development and testing of intelligent technologies to provide valuable solutions and services aimed at:

#1

Increasing efficiency of public services and city living

#2

Improving quality of life and creating a safe city

#3

Improving standard of environmental sustainability

FOCUS AREAS

Infrastructure

Environment

Economy

Social

Operating Platform

Phase 1 (2015)

Introduction of smart city foundation

Phase 2 (2016)

Promoting consumption of smart city solutions

Phase 3 (2017-2018)

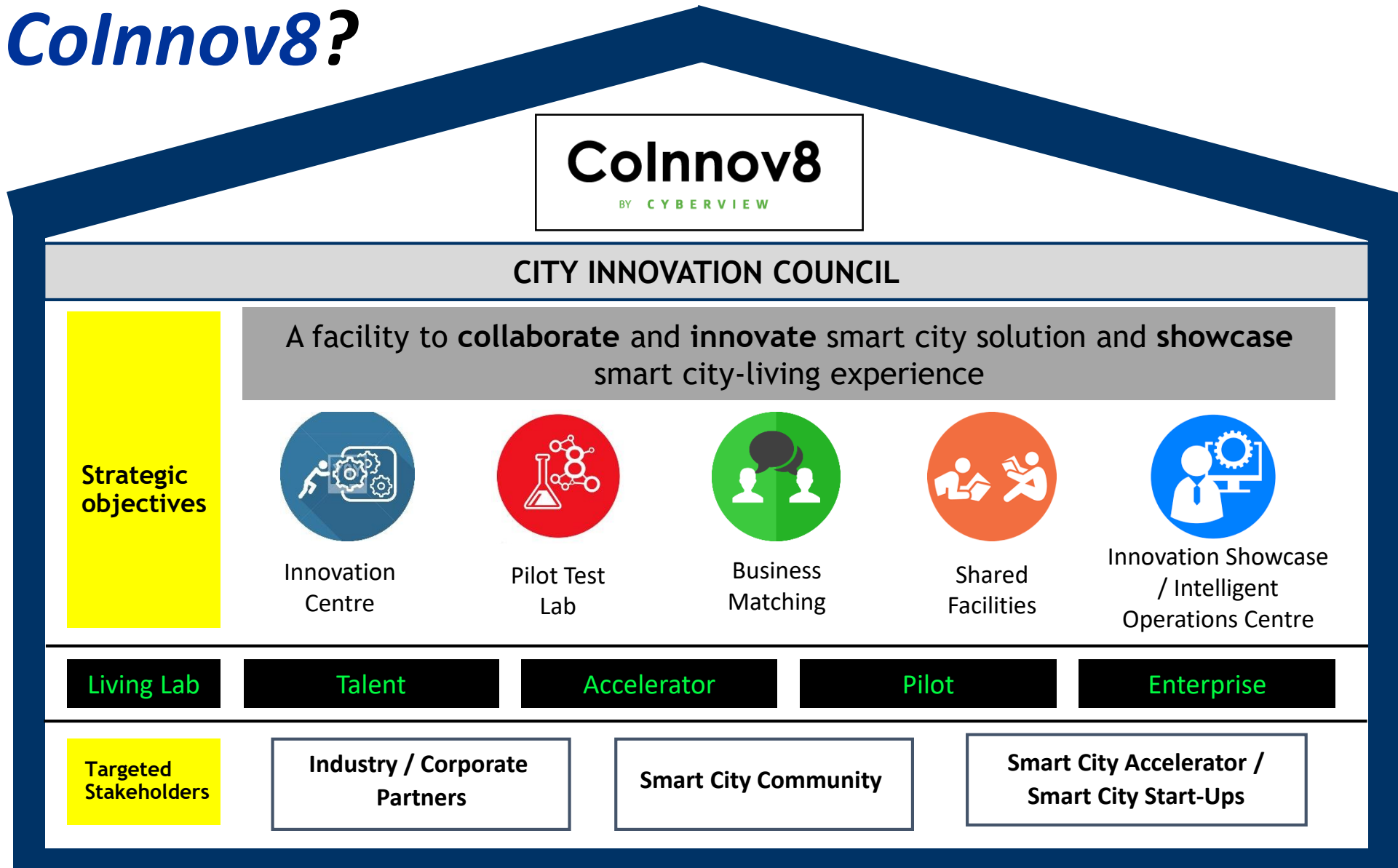
Integrating solutions for control and monitoring

Phase 3 (2019-2020)

Promoting widespread access and adoption

Smart City initiatives enhance the Living Lab proposition of Cyberjaya

What is *Colnnov8*?



*Collaborative space where **entrepreneurs** can **accelerate** their **businesses** towards success.*

City Innovation Council

Led & Chaired

Advisory
representatives

Council Members

Corporate
Partners



Colnnov8
BY CYBERVIEW

Secretariat



MAGIC



Cyberjaya
Stakeholders



GLC/Govt
Agency/MNC
/LLC/SME/
Start-up



The Smart
Way to create
a Smart City

**SMART
COLLABORATION**

Bringing to life Cyberjaya as a Capital of Creation - a smart city that adds value to the Cyberjaya population!

Industry & Community Driven Programmes to Drive Collaboration & Innovation in Cyberjaya



Malaysia Minecraft
GEM Play



LegoRobotic
Classes



CyberFusion



TNB PowerUP
BootCamp



CyberView Living
Lab Accelerator



JomHack
LORA



SME Training



NASA
Hackathon



City Innovation
Council



LORA
Network



Webcash
Machine



iCycle



Global Entrepreneurship
Community



Smart City Expo
World Congress,
Barcelona







Smart City Summit
Asia, Singapore



Korea Smart City
Conference

Smart City Projects

| Infrastructure | Economy | Environment | Society |
|--|--|--|--|
| 1 Integrated Common Platform  <p>Centralized & pro-active response center which monitors and manages smart services</p> <ul style="list-style-type: none"> > 24/7 event based remote monitoring > Dashboard system for easy supervision > Standardized and automated operation process incorporated for more efficient and effective crisis response | 2 Cashless Society  <p>Strengthening Cyberjaya's smart city offering towards cashless society</p> <ul style="list-style-type: none"> > Digitise, enhance routes & increase revenue and ridership for Cyberjaya's Dedicated Transportation System ("DTS") ticketing system > Mastercard's MasterPass QR, as new electronic payment option. > Mastercard's chatbot for foods and beverages ("F&B") outlet in Cyberjaya. | 3 Cyberjaya Air Sense  <p>Providing better information on real time city air quality sensor reading</p> <ul style="list-style-type: none"> > Utilisation of the LORA network > Atilze deploying 10 sensors in Cyberjaya to collect data such as temperature, air quality, & humidity. > Provide Cyberjaya stakeholders real time access to infos such as Air Pollution Index ("API") and heatwave on public dashboard. | 4 Citizen Empowerment  <p>Integration & centralise city administration to its citizen from the stakeholder's smart city platform.</p> <ul style="list-style-type: none"> > Provide responsive system for citizens to provide feedback and participate in improving the quality of life > Access for citizens to be participative in innovative ways for improving public service delivery > Digitise public services through display and access to public information and crowdsourcing on technology capabilities |

An aerial photograph of the London skyline at sunset. The sky is a mix of dark, heavy clouds and a bright orange glow from the setting sun. Several prominent skyscrapers are visible, including The Shard on the left and the Lloyd's building on the right. In the foreground, there are various construction cranes and older buildings, suggesting a city in transition. A bright green rectangular box is superimposed on the left side of the image, containing the word "Risks" in white text.

Risks



Risk #1: Privacy Issues

Smart cities collect & analyse large amount of data

Various sensors and cameras are installed

Surveillance – are citizens being monitored?



Risk #2: Compliance

Some solutions for smart cities are not regulated

Tax-payers' funds are being used

Are technologies used aligned with legislation?

Risk #3: Governance


Financing of smart cities – Government led

Capital intensive – what's the ROI?

Regulations and policy makers

How to make cities more sustainable?





Risk #4: Security

Malware and ransomware attacks

Devices are prone to hacking

Data leakage

Challenge #5: Social Impact

Are robots / AI replacing people?

Automation across all industries

Displacement of population, unemployment

Opportunities



Opportunity #1: Collaboration

Participation at all levels

Improve transparency, governance and information accessibility

Opportunity #2: Smart Economy

Promoting innovation and entrepreneurship

Foster connection to global economies

Highly skilled jobs

Increase productivity and profitability

An aerial photograph of a city street. The street is paved and has a median with trees. On the right side of the street, there are several multi-story brick buildings. In the background, there are more buildings and mountains under a cloudy sky.

Opportunity #3: Smart Living

Tourism, health, culture, security, social, education, welfare etc.

Embedding technology in various aspects

Improve quality of life and society

Optimising use of space

An aerial photograph of a modern city, likely Putrajaya, Malaysia. The image shows a large, circular, light-colored plaza in the foreground, surrounded by greenery and a river. In the background, there is a large, ornate building with a blue roof and a bridge crossing the river. The sky is clear and blue.

Opportunity #4: Sustainability

Addressing shortage of resources

Technology to address sustainability issues

Using data to plan for cities and towns



Summary

New technology, new challenges

We constantly collaborate and engage with various stakeholders

Cyberjaya Quarterly Meeting, City Innovation Council



Thank you

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