



**12 - 15 October 2020**

2.00pm - 5.00pm (GMT+8)

# TOWARDS A **SUSTAINABLE,** **COMPETITIVE &** **DISASTER-READY CITY**

Official Opening by:

**YB Puan Hajah Zuraidda Binti Kamaruddin**

Minister, Ministry of Housing and Local Government of Malaysia



**FULLY  
VIRTUAL**



Hosted by:



Researched, Produced  
& Managed by:



Knowledge partners:



**URBANICE**  
MALAYSIA

**THE GLOBAL  
CATALYST**

# OVERVIEW

## Towards a Sustainable, Competitive and Wellbeing City

As urban populations continue to expand and citizens' expectations grow, the development of smart cities – enabled, powered and integrated by digital technologies – is set to be one of the crowning achievements of societies worldwide in the 21st century.

In countless countries, the everyday lives of the citizens are being made easier, more fulfilling and more secure by previously undreamt-of services enabled by digital. It is forecasted that the global smart cities market size will reach USD 463.9 billion by 2027, registering a CAGR of 24.7% from 2020 to 2027.

Smart cities address a diverse set of problems, such as efficient transportation, smart and enhanced buildings and homes, optimum energy utilization, and better administrative services. The increasing adoption of novel technologies that complement the management of cities in the future is also a major catalyst for the market growth.

The hosting of the third edition of Cities 4.0 in Kuala Lumpur is to provide an interactive platform for governments, municipalities, urban planners, developers, urban futurists, solution providers and innovators to converge and discuss practical deployment of cutting-edge technologies in shaping sustainable, competitive and resilient cities.

## Key themes of Cities 4.0

- Digital Deployment In Smart Cities Planning
- Improving Living With Efficiency, Safety And Security
- Building A Cleaner And Sustainable City
- Effective Transportation And Mobility For All
- Disaster Prevention And Mitigation For A Safer City
- Strategies in Developing Secondary Cities into Smart City

This will be the best place for city leaders and business innovators to connect and collaborate in planning and implementing successful smart city projects.

### Endorsed by :



### Media Partners :



# KEY ELEMENTS OF SMART CITIES



## SMART SOLUTIONS

### E-Governance and Citizen Services

- 1 Public Information, Grievance Redressal
- 2 Electronic Service Delivery
- 3 Citizen Engagement
- 4 Citizens – City's Eyes and Ears
- 5 Video Crime Monitoring

### Waste Management

- 6 Waste to Energy & fuel
- 7 Waste to Compost
- 8 Waste Water to be Treated
- 9 Recycling and Reduction of C&D Waste

### Water Management

- 10 Smart Meters & Management
- 11 Leakage Identification, Preventive Maint.
- 12 Water Quality Monitoring

### Energy Management

- 13 Smart Meters & Management
- 14 Renewable Sources of Energy
- 15 Energy Efficient & Green Buildings

### Urban Mobility

- 16 Smart Parking
- 17 Intelligent Traffic Management
- 18 Integrated Multi-Modal Transport

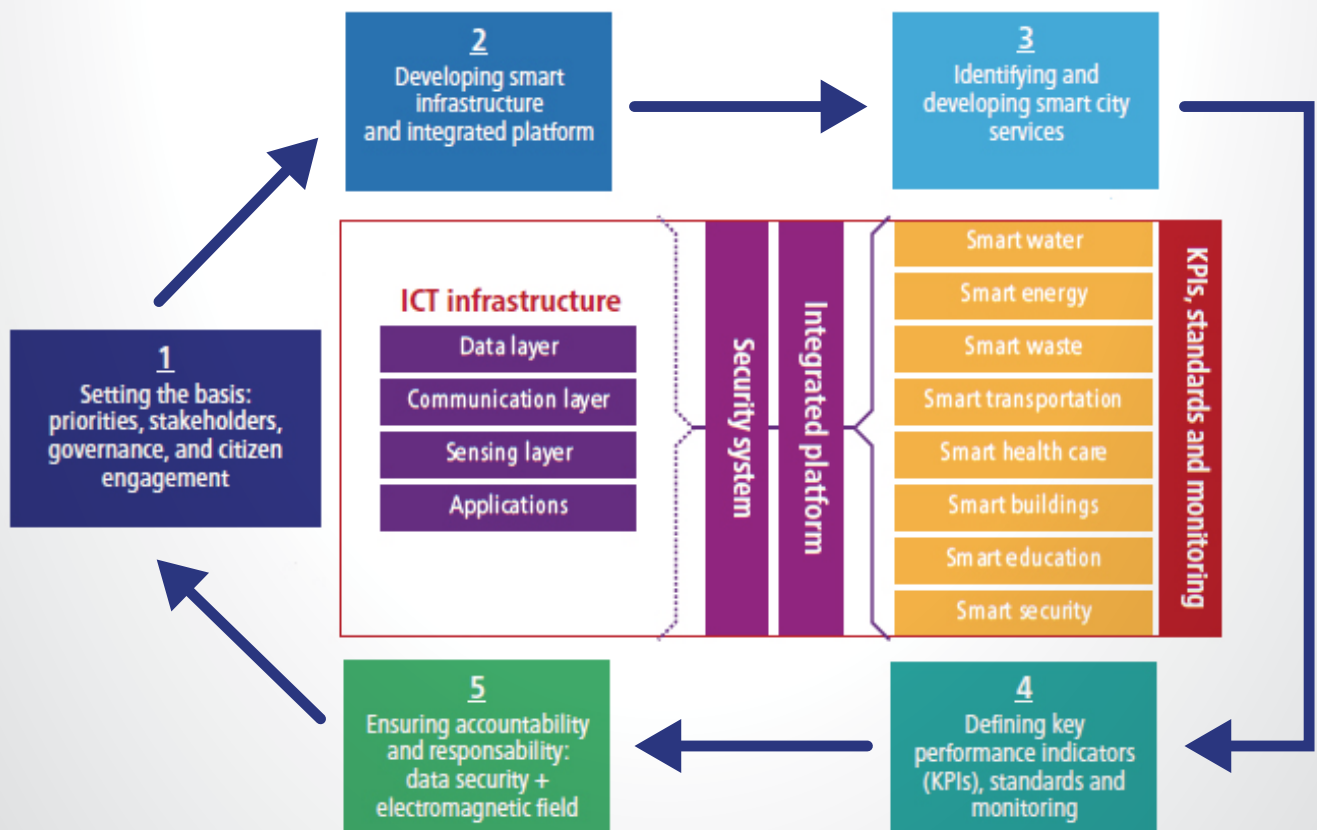
### Others

- 19 Tele-Medicine & Tele Education
- 20 Incubation/Trade Facilitation Centers
- 21 Skill Development Centers

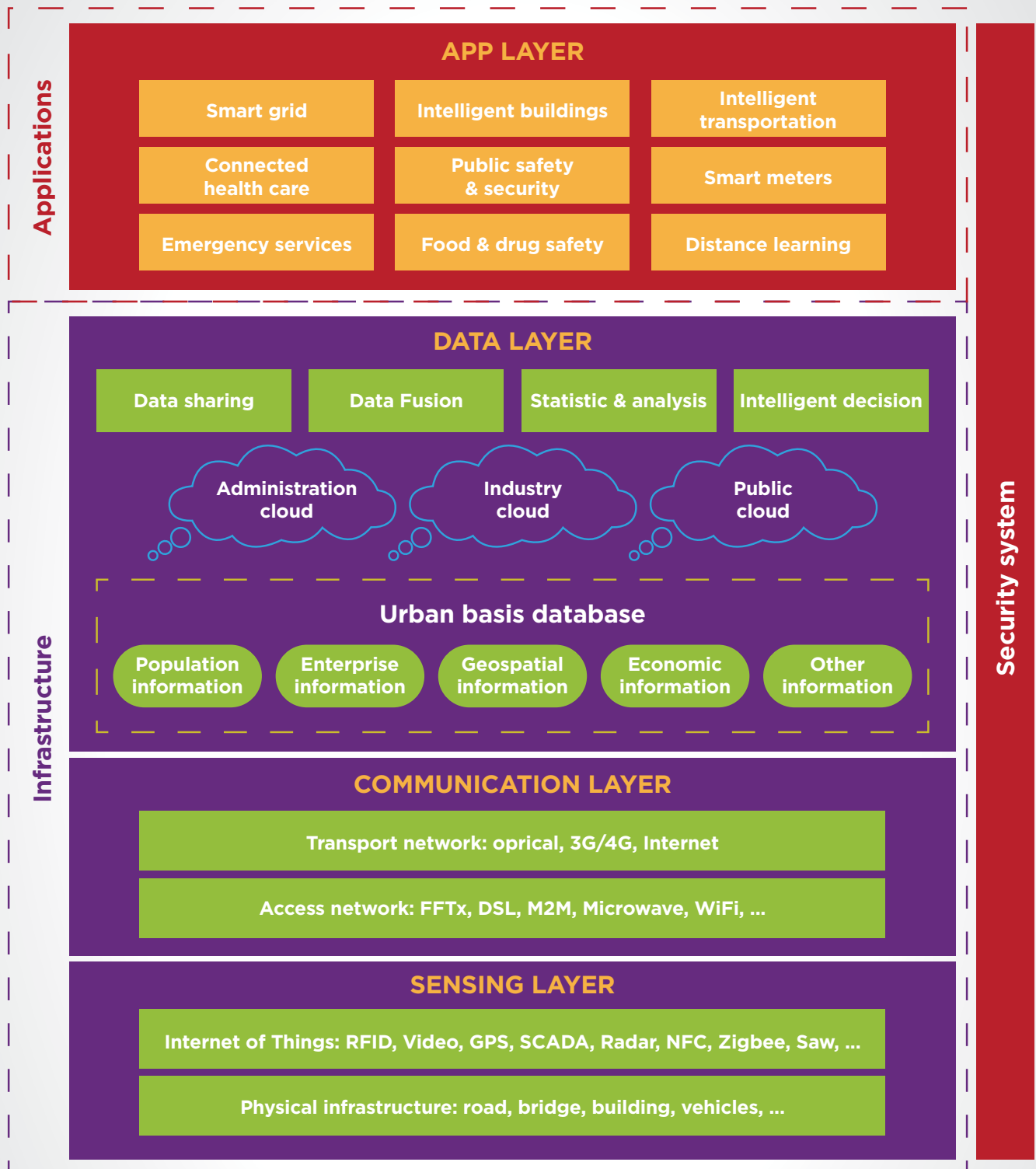
# SMART CITY OPPORTUNITIES AND CHALLENGES



# SMART CITY FRAMEWORK



# ARCHITECTURE OF A SMART SUSTAINABLE CITY



# ► PROGRAM

## DAY ONE: 12 OCTOBER 2020, MONDAY

GMT+8

### OPENING CEREMONY

- 2:00PM **INTRODUCTORY REMARKS**  
Datuk Dr. Abdul Aziz S.A. Kadir, Chairman, Confexhub Group
- 2:05PM **INAUGURAL ADDRESS AND LAUNCH OF CITIES 4.0 2020 CONFERENCE AND EXHIBITION**

### PLENARY SESSION

- 2:15PM **Plenary Address 1: An Overview of Global Smart Cities Initiatives**  
Mr. Calum Handforth, Technical Lead, Digitalisation, UNDP Global Centre
- 2:40PM **Plenary Address 2: Smart Cities Technology Outlook**  
Mr. Hazmi Yusof, Managing Director - Malaysia & Asia Pacific Senior Vice President, Frost & Sullivan
- 3:05PM **Plenary Address 3: Smart Cities Funding and Financing Strategies**  
Mr. Ximon Zhu, PMP, Manager, Infrastructure & Capital Projects, Deloitte Risk & Financial Advisory
- 3:30PM **Plenary Address 4: Improve Citizen Service through e-Governance**  
TBA
- 3:55PM **Cities 4.0 Leadership Forum: Strategies in Developing Secondary Cities into Smart City**  
**Moderator:** Pn. Norliza Hashim, Urbanice  
Mr. Calum Handforth, Technical Lead, Digitalisation, UNDP Global Centre  
Mr. Hazmi Yusof, Managing Director - Malaysia & Asia Pacific Senior Vice President, Frost & Sullivan  
Mr. Ximon Zhu, PMP, Manager, Infrastructure & Capital Projects, Deloitte Risk & Financial Advisory
- 4:55PM **End of Day 1**

## DAY TWO: 13 OCTOBER 2020, TUESDAY

GMT+8

### SESSION ONE: DIGITAL DEPLOYMENT IN SMART CITIES PLANNING

- 2:00PM **Paper 1: The Universal Framework of Building Intelligent Connected Cities**  
Mr. Edwin Diender, Chief Digital Transformation Officer and Vice President, Huawei
- 2:25PM **Paper 2: Enhancing Cities Functionality with Smart and Innovative Urban Solutions**  
Ms. Norliza Hashim, Chief Executive, Urbanice Malaysia
- 2:50PM **Paper 3: Use of Big Data and Visualisation Tools to Tackle Urban Planning**  
Mr. Juan Intan Kanggrawan, Head of Data Analytics, Jakarta Smart City
- 3:15PM **Paper 4: Leveraging Digital Twins for City Transformation**  
Dr. Mathilde Marengo, Head of Studies, Institute for Advanced Architecture of Catalonia
- 3:40PM **Paper 5: Advanced Tools for Natural Disaster Risk Management: Practical Approaches and Used-cases**  
Dr. Sanjay K Srivastava, Chief, Disaster Risk Reduction, ICT and Disaster Risk Reduction Division (IDD), United Nations Economic and Social Commission for Asia and the Pacific
- 4:05PM **Open Forum: Comments, Questions and Answers**
- 4:35PM **End of Day 2**

\*This Program is subjected to change and for updated program, please logon on to [www.cities4pointzero.com](http://www.cities4pointzero.com) Program @ 10 September 2020

# ► PROGRAM

## DAY THREE: 14 OCTOBER 2020, WEDNESDAY

GMT+8

### SESSION TWO: IMPROVING LIVING WITH EFFICIENCY, SAFETY AND SECURITY

2:00PM	<b>Paper 6: Practical Integration of 5G Networks in Smart Cities Environments</b> Mr. Sadiq Malik, Principal Consultant, Broadband Gurus Network
2:25PM	<b>Paper 7: Adoption of GIS and AI-Powered Technologies for Crime Prediction and Prevention</b> TBA
2:50PM	<b>Paper 8: Smart Hospital: Deployment of IoT, AI, ML and RFID to Improve Efficiency and Achieve Patient-Centricity</b> Mr. Siddhartha Mishra, Chief Executive Officer, SD Global
3:15PM	<b>Paper 9: Enhancing the Reliability of Public Transit Systems through Predictive Analytics Tools</b> Mr. Alok JAIN, Managing Director, Trans-Consult Asia Ltd
3:40PM	<b>Paper 10: Traffic Management Systems: Optimising Traffic with Existing Infrastructure</b> TBA
4:05PM	<b>Paper 11: Reducing Traffic Congestion with Smart Parking Technology</b> TBA
4:30PM	Open Forum: Comments, Questions and Answers
5:00PM	End of Day 3

## DAY FOUR: 15 OCTOBER 2020, THURSDAY

GMT+8

### SESSION THREE: BUILDING A CLEANER AND SUSTAINABLE CITY

2:00PM	<b>Paper 12: Develop Zero Energy Buildings for Energy and Carbon Reduction</b> TBA
2:25PM	<b>Paper 13: Enhance Productivity and Achieve Efficiency through Digital Transformation in Water Utilities</b> Mr. Shanmugavel Subramaniam, Water Segment Leader - East Asia, Industry - Strategic Customers & Segments, Schneider Electric
2:50PM	<b>Paper 14: A Simple Way to Make Building Clean and Smart with IoT and Automation</b> Ir. Dr. Chee-Fai TAN, Vice President, Institution of Engineers, Malaysia (IEM)
3:15PM	<b>Paper 15: Easing Municipality Waste Management with Smart Bin and Digital Tracking System</b> TBA
3:40PM	Open Forum: Comments, Questions and Answers
4:10PM	End of Day 4

\*This Program is subjected to change and for updated program, please logon on to [www.cities4pointzero.com](http://www.cities4pointzero.com) Program @ 10 September 2020

# REASONS WHY YOU SHOULD NOT MISS THIS



## UNDERSTAND THE FUTURE TRENDS

Hear from inspiring urban futurist and business innovators on new technologies & applications



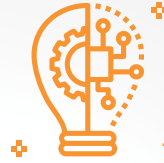
## DISTINGUISHED PRESENTERS

Renowned best practitioners, industry leaders and innovators sharing insights



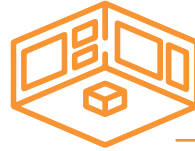
## PREMIUM NETWORKING

Unrivalled networking and exchange of experiences across 15+ countries



## COMPREHENSIVE CONTENT

Updated information reflecting your most concerned issues in developing smart, resilient and sustainable cities



## EXTENSIVE SHOWCASE

Discover new and innovative technologies and services within cities for social good, sustainability, resilience and equity



## BUSINESS OPPORTUNITY

Explore potential collaborations and with 300+ local and international industry stakeholders



# REGISTRATION FORM



Title ☐ Mr. ☐ Mrs. ☐ Ms. ☐ Dr. ☐ Others (specify) : \_\_\_\_\_

Name (as per passport)*		
Name (to be appeared on conference badge)		
Email*		
Passport No.	Date of Issue	D D / M M / Y Y Y Y
Country of Issue	Expiry Date	D D / M M / Y Y Y Y
Job Title*		
Company*		
Address*		
City/State	Postcode	
Country		
Telephone*	Fax*	
Mobile Number*		

\*(Please include country and area code)

## FEE PER DELEGATE

## PRICE

**4 Days Virtual Conference Ticket**  
(T&C Applies)

USD 300

\* fees are subjected to additional 6% SST

## PAYMENT

Full payment is required with your Registration Form before the Conference day. Tax-Receipt will only be issued upon receipt of full payment.

\*Conference registration fee includes lunch and refreshments. The Conference registration fee, however, does not include travel, accommodation and incidental costs.

All payments should be made in USD (\$) by credit card, telegraphic transfer or cash only

All registrations by fax or post MUST reach us before 1 September 2020, after which late registrations will be considered as "WALK-INS" and subjected to "WALK-IN" fee.

## PARTICIPATION TERMS AND CONDITIONS

Delegates may be substituted at any time, in writing, at NO extra charge.

Cancellations received in writing before 1 September 2020 will be refunded, less a 100 USD administrative fee. Cancellations received thereafter are not refundable.

Confexhub reserves the right to reschedule or cancel the conference, exhibition, cocktail reception, due to circumstances beyond their control and reserves the right to make changes to the conference program or speakers without prior notice.

Should the event and all its related activities be cancelled, curtailed or adversely affected by any cause not within the reasonable control of Confexhub including but not limited to war, fire, national emergency, labor dispute, strike, lock-out, civil disturbance, Act of God, or non-availability of premises for any reason, Confexhub shall be under no obligation to refund all or part of the sums paid by the delegate in respect of his/her participation in the workshop. Confexhub shall be under no liability to the delegate or any other person in respect of any actions, proceedings, claims, demands, losses (including consequential losses), costs or expenses whatsoever which may be brought against or suffered or incurred by the delegate as the result thereof.

**PLEASE COMPLETE AND FAX BACK TO +603 2771 1669**  
**For enquiries, please contact at +603 2771 1668 or email: [conference@confexhub.com](mailto:conference@confexhub.com)**

Cambodia Indonesia Laos Malaysia Myanmar Philippines Singapore Thailand Vietnam



Cities 4.0 2020 Secretariat  
c/o Confexhub Group

Suite 1707, 17th Floor, Plaza Permata, No. 6, Jalan Kampar, off Jalan Tun Razak, 50400 Kuala Lumpur, Malaysia  
☎ +603 2771 1668 ☎ +603 2771 1669 ✉ [conference@confexhub.com](mailto:conference@confexhub.com) 🌐 [www.cities4pointzero.com](http://www.cities4pointzero.com)