

MALAYSIA SMART CITIES ALLIANCE (MSCA) E-NEWSLETTER



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SMART CITIES HIGHLIGHTS

Moving Towards Cities through Partnership

Cities all over the world are increasingly using smart and sustainable approaches in the daily management of public services. However, they face challenges in adapting public management to this particularly changing environment and choosing the most appropriate products and mechanisms for technological innovation. Moreover, local governments frequently lack the technical capacity and financial resources to implement complex smart initiative projects. They have the technical and financial capacity to translate innovation into products at the service of the cities. Hence, local governments and private enterprises can engage in complementary and mutually beneficial partnerships for driving smart technology solutions in urban areas. Partnership for smart and sustainable cities, including the use of smart technologies, may be established in a variety of fields: for large-scale infrastructure projects.

WHAT MAKE SMART CITIES?



Smart City Components and Characteristics



The Forth Industrial Revolution (IR 4.0)

The digital age of industrial revolution stage 4 (IR4.0) continues its improvement, fetching with its extraordinary technological promises. Such potentials are initiated upon a progressively fine-grained automated connectivity of people, places and things like powerful data crowd and processing competences. The future of mobility could be transformed, with developments such as: new forms of momentum; new forms of vehicle controller; shifting business models of ownership and use; mobile technologies that prepare and empower individuals; and chances to undertake activities without the need to travel. 'Smart' is the order of the day. Smart mobility raises up a sense of new opportunity, of progress.

Future Trends in Smart Mobility

A good move for the future.

	Electrification - A hybrid vehicle combines at least one electric motor with a gasoline engine to move the car, and its system recaptures energy via regenerative braking. The result is less gasoline burned and, therefore, better fuel economy
	Autonomous – Driverless/autonomous is another level of mobility solution which incorporate efficiency and convenience.
	Digital connected - Vehicle which is equipped with internet connectivity and, in most cases, a WLAN. This enables the car to access data, send data, download software and patches, communicate with other Internet of Things (IoT) devices, and provide WiFi for onboard passengers.
	Light weight - In vehicle technology light weight play a crucial roles in term of energy efficiency and cost.
	Shared vehicle - Car sharing, ride sharing, and carpooling will be the model that fit user requirement
	Increased security - Proper security architecture is established on vehicles and cloud environments for extensive visibility and clarity into the threat landscape.

2019 ACTIVITIES & HIGHLIGHTS

THE MUNICIPAL FINANCE TRAINING PHASE 1 was officiated by Datuk Dr Mary Wong Lai Lin, Deputy Secretary-General of Policy, Ministry of Housing and Local Government. The training was jointly organised by the Malaysian Industry-Government Group for High Technology (MIGHT), Ministry of Housing and Local Governments (KPKT) and led by the United Nations Industrial Development Organization (UNIDO). 42 participants from 13 municipalities participated in the training.

Panel Discussion on Municipal Finance: Perspective on Sub-Sovereign Financing was organised right after the presentation which targeted to identify challenges and opportunities and to engage into dialogue and find the potential solution and ideas among cities expert for better future.



Key Takeaway

Understanding the basic of local financing fundamental	Participation of local government in cities development	Include of financial agenda in municipality blueprint	Transparency will able the community to trust and access the investment	Data of township should be standardized and easily applicable	Explore on cloud financing	Cities need to be sustainable and self-funded for long term operation
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Creditworthiness Issues

- Economic conditions
- Fiscal performance
- Financial and debt position
- Sovereign factors
- Strengths of institution and management



MUNICIPAL FINANCE TRAINING PHASE 2 is the continuation of Municipal Finance Training Phase 1 which more focused on improving credit worthiness of cities as well as to support the cities to implement the plan. This training involved 13 municipalities and 2 Malaysia Smart Cities Alliance members with the total of 26 participants.

Demonstrate knowledge and critical understanding of municipal finance issues

Assess foundations and principles of municipal practices

Skills Takeaway

Implement well-grounded and systematic principles in municipal financial management.

Proffer solutions to municipal service management and delivery problems.

SENEGAL STUDY TOUR VISIT aims to explore innovative experience and learn more in developing the evidence base and knowledge for the development of sustainable and resilient cities. Malaysian Industry-Government Group for High Technology (MIGHT) assisted Senegal Municipal Development Agency (MDA) on their intention to explore on sustainable and resilient cities in Malaysia. MIGHT also organize a panelist session on Smart City Solutions with Malaysia Smart City Alliance Members which talks on Technologies' Smart Solutions for Smart Building, Smart Community & Smart Living.



Outcome

- Collaboration between Malaysia and Senegal in:
- Flood management and water management for new city.
 - Global Platform for Sustainable Meeting
 - Success cities story (*Diamidino Urban Area and Saint-Louis City as examples to other GPSC cities.*)

Knowledge Sharing Session

- Flood Mitigation Project.
- Melaka Urban Planning & Resilient Cities.
- Smart City Solutions.
- Green City & Its Low Carbon Initiatives.
- Fisherman Relocation Program.
- Melaka River Rehabilitation Project.
- Smarter Living, Smarter Cities and Smarter Community.
- Putrajaya Smart Blueprint.



2019 ACTIVITIES & HIGHLIGHTS

Malaysia International Centre for Sustainable Cities (MyICSC)

Malaysia International Centre for Sustainable Cities (MyICSC) is an initiative to encourage smart city stakeholders to build Sustainable Cities and Communities as per UNDP SDG-11. It offers a powerful opportunity to leverage the knowledge and shared learning of an entire initiative, support the achievement of high performance at all locations, and accelerate the broad-based adoption of innovative advances.

MyICSC creates an environment that encourages and facilitates the active sharing of expertise and new insights across a particular community of interest. Shared ideas foster additional insights and knowledge, and successful execution of this role can significantly accelerate the pace of innovation and adoption of best practices across an entire organization. In addition, MyICSC gives opportunities for stakeholders to build a network with others from regional, national and international with the same interest.



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	Philippines	5
	United Kingdom	6
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Workshop 1



29 August 2019

MyICSC WORKSHOP AND BRIEFING was officiated by Dr Raslan bin Ahmad, Senior Vice President, MIGHT. This workshop was conducted to discuss the content and views from various stakeholders related to Sustainable Cities Development in Malaysia. This workshop was participated by 70 peoples involving the Ministry, State Department, Municipalities, Industries player, Academician, and NGOs. They were divided into five focus groups blended with different expertise background. Each group has discussed the ICSC-My Components based on the task given. In the end, the group leader presented their outcomes and discussed with the audience.

Workshop 2



14 November 2019

MyICSC 2nd WORKSHOP was conducted to train all stakeholders to be familiarize with all MyICSC features and functions including the mobile survey. 55 Participant involving the Ministry, State Department, Municipalities, Industries player, Academician, and NGOs. This workshop achieved its objective by giving hands on lab to the participants to conduct and handle MyICSC portal. Yet, all information from the discussion among the participants will be analysed and taken into consideration to improve MyICSC web portal.

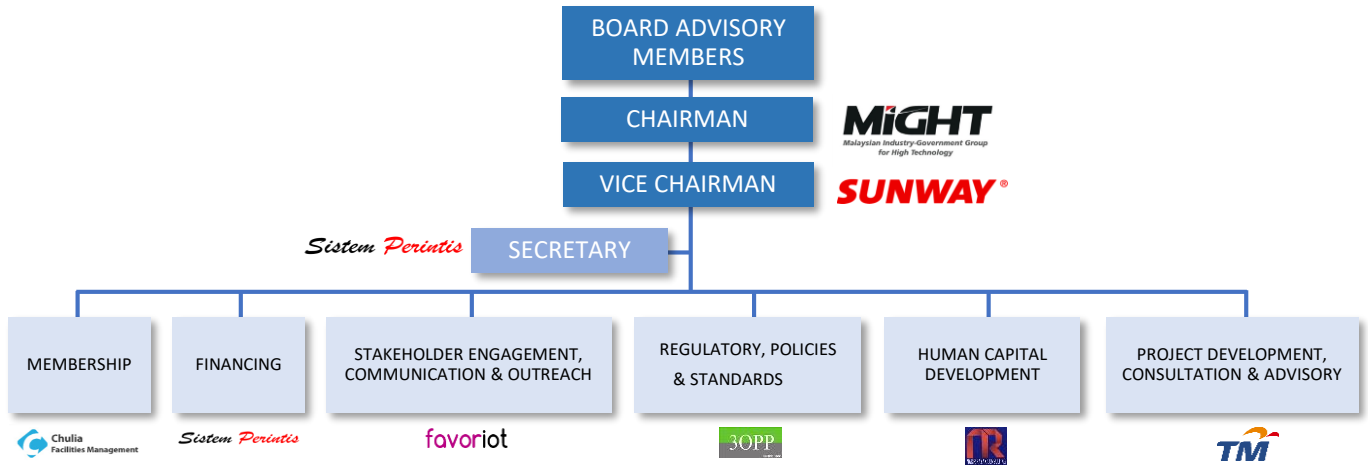
NATIONAL 5G TASKFORCE (BUSINESS CASE WORKING GROUP)

Several meetings were conducted by 5G (BCWG) Smart City Sub-Working Group involving MSCA members such as (IRDA) - Iskandar Regional Development Authority, PCOM, Three-Opp (M) Sdn Bhd and Chulia Technology Sdn. Bhd. The meeting focusing on general briefings, proposed use cases, and discussions on issues and challenges related to smart city project implementation. Selected use case in Public Safety for CCTV and Drone Surveillance for Malaysian Communications and Multimedia Commission (MCMC) submission.



MALAYSIA SMART CITIES ALLIANCE

Malaysia Smart Cities Alliance (MSCA) is moving toward becoming an Association. This will be an industry-led initiative to promote the integration of Malaysian Smart Cities Industry players. Industry association with the function to support and to represent the voice of Malaysian Smart City Industry players. In order to facilitate and lead in the preparation of the necessary documentation to register and form the MSCA Association, a PROTEM team is created which lead by MIGHT.



Founding Members / Board Advisory

Lead Members

Ordinary Members

Associate Members

Founding Members / Board Advisory

- Organization who was involved in the formation of the MSCA.
- Provide strategic direction & corporate guidance on the implementation work of MSCA.
- Oversight of the whole activities under the MSCA.

Ordinary Members

- The Members must have a specific core values in the areas of Smart Cities. Information on the past and ongoing projects are value added.
- Technology providers from local company must follow the regulation as stated by SSM and MoF respectively.
- Company must be majority locally owned.
- Open for the government agencies, local city councils, technology providers, research universities & institutions.
- Supporting MSCA strategic objectives, vision & mission.
- Sharing best practices on the smart city initiatives.
- Participate and contribute for the MSCA events and activities.

Lead Members

- Protem Committee Members whom the appointment is based on a closed invitation by the MSCA's Secretariat.
- Provide strategic direction & corporate guidance on the implementation work of MSCA.
- Administer industry-government relation for the MSCA rollout.
- Oversight of the whole activities under the MSCA.

Associate Members

- Member/individual or company that do not qualify to become the ordinary members.
- Members, company or organization that is foreign owned that could contribute to MSCA.



MSCA PROTEM Function & Roles

- To facilitate and lead in the preparation of the necessary documentation to register and form the MSCA Association;
- The coordinate and lead until the Official Committee Members is appointed.
- To conduct the necessary engagement with the government stakeholders in getting the buy in of MSCA
- To propose workplan & activities according to their respective portfolio and functions

COMMITTEE Function

Membership:

- To lead the membership recruitment
- To look into and enhance the benefit of the consortium members
- To manage and coordinate with committee member on certification

Financing:

- To lead finance committee
- To identify related financial institutions or government Ministries and Agencies that provide financial assistance for MSCA members
- To facilitate financing and assist members in providing guarantee for loan/finance
- To strategies and formulate mechanism on financing projects under the MSCA members

Stakeholder Engagement, Communication & Outreach:

- To lead stakeholder engagement , Communication & Outreach
- Explore and identify potential business opportunities
- Determine the requirement for Smart City projects to bid
- Arrange the industry clustering according to project work package

Regulatory, Policies & Standards:

- To lead the standard committee
- Coordinate in identifying the required standards for smart city solutions
- Coordinate on formulating the common standards or specs for parts so as to maximise the local content
- Provide inputs to MoF or procurement owner on the local products and services

Human Capital Development:

- To lead the Human Capital Development
- To propose to the Government on the focus areas for HCD development for the nation
- To be the liaison with the University and Learning Institutions on the competency to be developed and suitable smart city courses

Project Development, Consultancy & Advisory:

- To lead the Project Development, Consultancy & Advisory
- Coordinate with the industry players on project development to promote local products, services & solutions.
- Coordinate to cluster the local players according to the expertise or core competencies (e.g. Smart mobility, Smart Energy, Smart Digital Infrastructure & etc)
- Facilitate in identifying and matching foreign technology to be adopted by local players

Membership



MEMBERS
Keep us growing

Register now!

For further information visit our website www.malaysiasca.org or contact secretariat: anusha@might.org.my

Upcoming Events

LEADERSHIP TRAINING FOR MUNICIPALITIES ON PUBLIC PRIVATE PARTNERSHIP (PPP) TOWARDS DEVELOPMENT OF SMART CITIES

Co-organised by:



July 2020



Malaysian Industry-Government Group for High Technology
Prime Minister's Department
MiGHT Partnership Hub, Jalan Impact,
63000 Cyberjaya, Selangor MALAYSIA
GL: +603 8315 7888
www.might.org.my

*Editors Team:
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