SAFE CITY MONITORING SYSTEM (SCMS) for a Safe Smart City

by

MOHAMMAD MENTEK
SECRETARY GENERAL MHLG
MALAYSIA
Participating Countries

165
Participants Accredited
23,333
Total Registered On-Line 24,036
Total Registered On-Site 12,206
Total Registered 36,242
70% attended are Stakeholders
40% accredited is below age of 32
45% attended are Women

Most Productive Forum

Cities 2030, Cities for all: Implementing the New Urban Agenda

256 Invited Speakers

850 EVENTS
5 Assemblies
7 High Level Roundtables
21 Special Sessions
15 Stakeholders Roundtables
8 Dialogues
10 Plenary Meetings
23 AFINUA
3 Urban Talks
1 Urban Journalism

1500 OPEN SESSION SPEAKERS
30000 EXHIBITION VISITORS
29 Listen to Cities
32 Urban Library
11 UN-Habitat in Action
143 Networking Events
1 Urban Cinema
6 Caucus Meetings
145 Side Events
33 One UN Room
50 Training Sessions
23 Parallel Events
17 Press Conference
93 Exhibitions
1 Urban Run
1 Aerial Art
17 Technical Visits
138 Programs @ Medan Pasar

Prepared by Urbanice Malaysia, 12th June 2018
Smart City Malaysia

The Government of Malaysia believes that smart cities will be the next generation of future cities for Malaysia - approach to urban management in improving and enhancing the quality of life amongst urban dwellers.

(11th Malaysia Plan)
Most Malaysians are connected to the internet or have a mobile cellular subscription.
Readiness for transformation towards Urban Sustainability

SMART CITIES

- Aspects of **urban planning and policy making** (enhanced efficiency, making cities cheaper and easier to navigate, manage and operate);

- Contributions to **social and human capital** (access to education, lifelong learning, openness to what is ‘new’ and integration into public life);

- Public participation and an **accessible local administration with good service delivery**;

- Applications that enhance local & international accessibility & **innovations towards sustainable mobility**;

- **Environmental protection**, resource management & preservation of green space, water aquifers; and

- **Quality of life**: importance of services in aspects of health care, cultural institutions, security and social cohesion.

SUSTAINABLE CITIES

‘We need a new mindset for the smart, liveable city to become a reality”
Smart City Malaysia

The development of smart cities in Malaysia are supported by National Government’s direction, policies, blueprints and the enabling environment.
Malaysia Smart City Framework

8 SMART LIVING ELEMENTS

- Safety and Security
- Low carbon lifestyle
- Housing quality
- Educational quality
- Health conditions
- Cultural facilities
- Tourist/recreational attractiveness

Digital & Security Infrastructure

Urban Emergency Plan and Emergency Operations Centre to handle Natural Disasters and Security Threats in Cities

‘Safe City Monitoring System (SCMS)’ - a Safe City program to prevent urban crime
A city that is **free from any form of physical, social and mental threats** where the community is able to live in peace and harmony in a well protected and conducive living environment.

*The Safe City concept is to ensure cities free from:*

- **Violence**
- **Natural Disaster**
- **Social & Moral Decay**
- **Indoor & Outdoor Accident**
Malaysia Safe City Program

3 initiatives in 150 Municipalities areas

1. Whitening Initiative of Blackspot
2. Safe City Monitoring System
3. Crime Prevention Through Environmental Design (CPTED)
Malaysia Safe City Program
Whitening Initiative of Blackspot

3 types of Engagement
Community, CPTED & Enforcement

In 44 areas (2013)

34% safe perception
23% CRIME

BEFORE

AFTER
Malaysia Safe City Program

CPTED – Crime Prevention Through Environmental Design

- CPTED is a pre-emptive guidance - ‘prevention is better than cure’ approach.

- CPTED Implementation Guide is drawn within the requirement of existing laws, rules and regulations in Malaysia since 2010.

- It aims to influence and inform decision makers on designing and managing the built environment to ensure our neighbourhood and cities are safer.
Malaysia Safe City Program

Safe City Monitoring System (SCMS)

**what is SCMS?**

- **13 Crime Index**
- **Police Reporting System (PRS)**
- **Geographic Information System (GIS)**
- **Web**
- **Engine**
- **Internet Access**
13 CRIME INDEX

Violence Related: Gang Robbery without Firearm, Robbery without Firearm, Gang Robbery with Firearm, Robbery with Firearm, Homicide, Causing Injury, Rape.

Property Related: Car Theft, Heavy Vehicle Theft, House/Bu ilding Break-in, Motorcycle Theft, Snatch Theft, Petty Theft.

PRS is a system used to record crime incidents lodged at 815 local police stations in Malaysia.

SCMS Integration with Police Reporting System (PRS)

Safe City Monitoring System (SCMS)

User (Police & Local Authority)
**SCMS**

*Integration with Police Reporting System (PRS)*

**how it works?**

1. Victim lodges report at police station.
2. Crime scene investigation by Investigating Officer (IO).
3. Confirmation of case and crime location.
4. Crime records stored in SCMS.
5. Generate report, statistics and crime trend analysis for PDRM, LA and FDTCP.
SCMS

2 Full-fledged GIS Spatial Analysis and Built As A Web Application
Transformed the Pin-Map approach to Digital Form for a more systematic approach

Enables crime index data to be geo-coded accurately according to the time police reports are lodged.
The darker colors on the map means a more dense crime in the area

SCMS Output 2: HOTSPOTS PATTERN
Identify similar types of crime occurring repeatedly within a 50m radius area.

An effective tool to identify suitable locations for patrolling and crime prevention measures
Frequency of Crime Incidents - Hourly, Daily, Weekly, Monthly, Or Yearly Basis

Each crime can be shown on the map
Crime Index in Kuala Lumpur 2013-2017

Based on 13 Crime Index

No. of crime

2013 → 2017

24%
7862 cases
CRIME REPORTS IN SENTUL POLICE STATION

Properties:
- Car Theft
- Motorcycle Theft
- Heavy Vehicle Theft
- Snatch Theft
- House Break-ins

Violence:
- Robbery without Firearms
- Robbery with Firearms
- Gang Robbery without Firearms
- Gang Robbery with Firearms

Choose by Month:
- APRIL 2015
- MAY 2015
- JUNE 2015

Malaysia Safe City Program
PUBLIC AWARENESS: iSelamat.my
Malaysia Safe City Program

SCMS : AWARDS & RECOGNITION RECEIVED

- **ESRI Special Achievement in GIS Award**, San Diego 2012
- **Future City of the Year Award**, FutureGov Summit, Thailand 2012
- **Geospatial World Excellence Award: Public Safety**, Switzerland 2014
- **Commonwealth Association for Public Administration & Management**, Putrajaya 2014
Malaysia Safe City Program

**SCMS : KEY TAKEAWAYS**

**Better Deployment of Officers** - optimize limited resources

**Better Location for Security Features** Infrastructures - CCTV, Railings, CPTED components

**Awareness and Collaboration** - Public and Enforcement

**Better Monitoring at all Management Levels** - Ministry, Bukit Aman HQ, Contingent States, Districts and Local Police Station.

**Sharing of Information and Working Together** - Local Authorities and Royal Malaysian Police working together via SCMS.
THANK YOU

Terima Kasih

Ministry of Housing and Local Government
Malaysia
51, Persiaran Perdana, Presint 4
62100 Putrajaya, Malaysia

www.kpkt.gov.my