Penang
Towards a Smart International State
INTRODUCTION OF PENANG SMART STATE

The Penang State EXCO at its meeting on 20 April 2016 has decided to make Penang as a Smart City and PDC Telecommunication and Services Sdn. Bhd. (PDCTS) appointed as the Penang State Government technical agency.

On 7 June 2017, the Penang State EXCO has set Penang's vision which is Penang Towards A Smart International City with led by Penang Smart Delivery Unit (PSDU) at the Local Government Division for coordination of Smart State initiatives in Penang.
VISION OF PENANG SMART STATE

PENANG TOWARDS A SMART INTERNATIONAL STATE

MISSION OF PENANG SMART STATE

TO DEVELOP PENANG AS A SUSTAINABLE STATE THROUGH SMART GOVERNANCE AND INITIATIVES BY 2030

OBJECTIVE OF PENANG SMART STATE

TO FORMULATE THE IMPLEMENTATION AND MONITORING MECHANISM ON SMART STATE DEVELOPMENT

THEME OF PENANG SMART STATE

DATA IS KING, TALENT IS EVERYTHING
SMART STATE STRATEGIC CORES

TELECOMMUNICATION STRUCTURE
- FIBRE FORWARD PENANG
- PENANG FREE WIFI
- CCTV
- FIBER TO THE HOME
- INTELLIGENT OPERATION CENTER
- SMART POLE
STRATEGIC CORES
PENANG SMART CITY

PEOPLE

GOVERNANCE

INFRASTRUCTURE

DATA

PENANG GEO HUB

BIG DATA ANALYTICS
- Affordable Housing
- Traffic Management
- Disaster Management
- Improving Infrastructure Facilities for Rural Basic Business
- Improving the liveability of low-income people in Penang

CRUSH AEDES TOTALLY (CAT)
SMART COMMUNITY
To improve lifestyles by creating a sustainable, vibrant and ideal place for everyone in the city.

SMART ENVIRONMENT
To create a safe, resilient and sustainable environment empowered by the green economy through reducing greenhouse effects, mitigating risks and improving environmental quality by using technology.

SMART GOVERNMENT
To deliver world-class government services to the people.

SMART MOBILITY
To increase the efficiency of the city that organises itself for seamless movement of people and data accessibility.

SMART ECONOMY
To create competitive, innovative and diverse economic opportunities to prepare for the challenges and opportunities of economic globalisation.
KEY OUTCOMES & CRUCIAL BENEFITS

1. SMART GOVERNMENT
   Provident and inclusive government

2. SMART MOBILITY
   Seamless and integrated accessibility

3. SMART ENVIRONMENT
   Resilient and sustainable environment

4. SMART ECONOMY
   Innovative economic growth

5. SMART COMMUNITY
   Safer and liveable community
SMART STATE INITIATIVES

PENANG INTELLIGENT TRAFFIC & TRANSPORT SYSTEM (PiTTS)

CRUSH AEDES TOTALLY (CAT)
SMART STATE INITIATIVES

PENANG DIGITAL LIBRARY

READCASA
SMART STATE INITIATIVES

INTELLIGENT OPERATION CENTER
SMART STATE INITIATIVES

INTELLIGENT OPERATION CENTER (...cont.)
SMART STATE INITIATIVES

LINKBIKE
SMART STATE INITIATIVES

SMART POLE

- Solar Panel
- Street Light
- Traffic Signal
- Public Announcement System
- Wi-Fi Access Point
- Fixed Camera
- Weather Sensor
- IOT Gateway
- PTZ Camera
- LED Display Panel
- Network Rack with UPS and Battery
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PENANG GEO HUB
SMART STATE INITIATIVES

TRASH 2 TREASURE
SMART STATE INITIATIVES

SMART BUS STOP
SMART STATE INITIATIVES

Smart City of Penang (SCoPe)
SMART STATE INITIATIVES

i4.0 Seed Fund
SMART STATE INITIATIVES

Real-Time Telemetry System