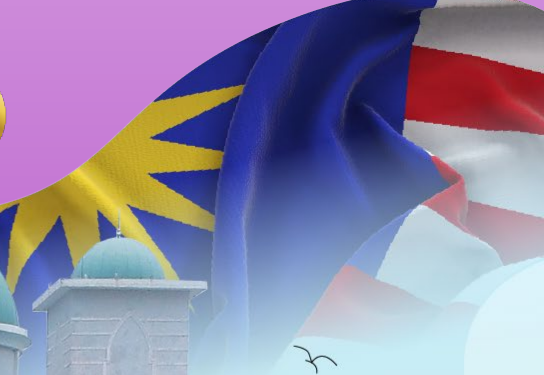




PENANG
2030



7th ASEAN – JAPAN SMART CITIES NETWORK
HIGH LEVEL MEETING

SEBERANG PERAI SMART CITY INITIATIVES PEOPLE-CENTERED X INCLUSIVITY

By :
Mohd Raisul Muhaddisin Hamad
Head of Building Department
Seberang Perai City Council

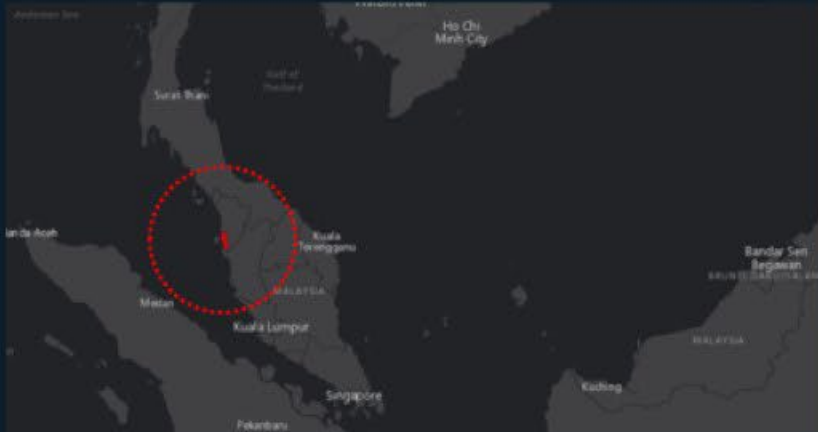


*"Seberang Perai Aspiring
City Of Tomorrow"*

Introduction **SEBERANG PERAI**

State of Penang is divided by two parts which are Penang Island and Seberang Perai, also known as Penang Mainland. It locates at the north of Malaysia and surrounded by State of Kedah and State of Perak.

State of Penang is one of developing states in Malaysia as it locates at a very strategic location that became as a world attraction with some advantages. State of Penang also earned the title of “Silicon Valley Of The East” because of progress industry.



Established since year of 1800
Declared as
Seberang Perai City Council
on 16/9/2019

Area : 751km²
Population : 1,062,000 citizen
Density : 1,439 / km²

Administers
3 main districts
with **54 localities**

**Seberang Perai
Utara District**
27,214.31 hectare
/ 272.14km²

**Seberang Perai
Tengah District**
23,908.09 hectare
/ 239.08km²

**Seberang Perai
Selatan District**
24,897.71 hectare
/ 248.97km²

**SEBERANG
PERAI**

Introduction SEBERANG PERAI

Total Area
**73,841
Hectare**

Assessment Tax
RM220,409,391

Landuse

Agriculture

48%

32,392 Hectare

**0.23 Million
(0.1%)**

Residential

14%

10,859 Hectare

**64 Million
(29.16%)**

Institution

5%

3,171 Hectare

12 Million

Industry

4%

3,484 Hectare

**86 Million
(38.91%)**

Commercial

1%

1,302 Hectare

**59 Million
(26.84%)**

Green Area

12%

11,535 Hectare

Transportation

9%

5,353 Hectare

Water Body

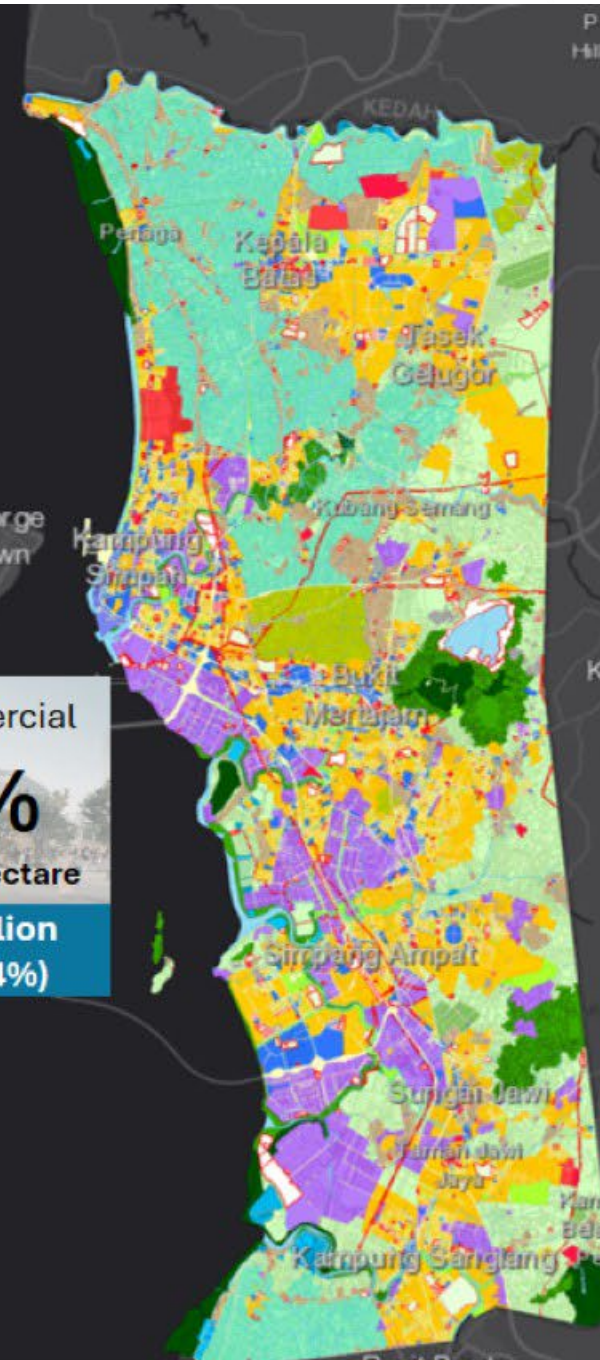
6%

4,988 Hectare

Infra

1%

755 Hectare





SEBERANG PERAI CITY COUNCIL

VISION

Seberang Perai Liveable, Resilient, Inclusive,
Green, Competitive and Smart City

MISSION

To provide urban services, development
planning effectively and proactive to the needs
of the community of Seberang Perai based on
the principles of Trust, Accuracy and Fast

Malaysian Smart City Rating Category

Smart City Early Adopter **BRONZE**



- ✓ Pelan Tindakan Bandar Pintar
- ✓ Jawatankuasa Bandar Pintar
- ✓ Initial Dashboard / Mini Command Center
- ✓ Pemuatan kepada 10 indikator

**Current Rating
MBSP**

Developing Smart City **SILVER**



- ✓ Melaksanakan inisiatif melalui Pelan Tindakan Bandar Pintar
- ✓ Jawatankuasa Bandar Pintar Unit
- ✓ Bahagian / Unit Bandar Pintar
- ✓ Integrated Command Center
- ✓ Pemuatan kepada 34 indikator MS ISO 37122:2019

Leading Smart City **GOLD**



- ✓ Melaksanakan sebahagian besar inisiatif melalui Pelan Tindakan Bandar Pintar
- ✓ Jawatankuasa Bandar Pintar
- ✓ Bahagian / Unit Bandar Pintar
- ✓ Advanced Command Center
- ✓ Pemuatan kepada 62 indikator MS ISO 37122:2019

Visionary Smart City **PLATINUM**



- ✓ Melaksanakan keseluruhan inisiatif Pelan Tindakan Bandar Pintar
- ✓ Jawatankuasa Bandar Pintar
- ✓ Bahagian / Unit Bandar Pintar
- ✓ SME Bandar Pintar
- ✓ Advanced Command Center with Machine Modelling
- ✓ Pemuatan kepada 85 indikator MS ISO 37122:2019



Seberang Perai Towards **SMART STATE**

MBSP continues to commit to the recommendations of the Penang State Government as well as MBSP's vision to make **Seberang Perai a Resilient, Inclusive, Green, Competitive and Smart City Based on Technology** and in line with the Penang 2030 vision.



To compete and remain relevant in the future, Seberang Perai needs to become a smart city that uses **digital technology** to increase and **improve the quality of municipal services.**





PEOPLE CENTRIC DIGITAL PRIORITIES



SMART DOMAIN



Seberang Perai Towards **SMART STATE**



**Flood
Mitigation**



**Service
Delivery**



**Traffic
Dispersion**



**Payment
Gateway**



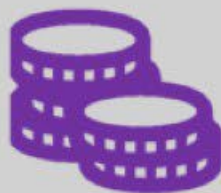
**Waste
Management**



Security



**Ease of Doing
Business**



**Smart
Economy**



**Smart Digital
Infrastructure**



**Smart
Mobility**



**Smart
Living**



**Smart
Environment**



**Smart
Governance**



**Smart
People**

Governance



Non-Emergency
Response Time



City Services Requested Online

Urban Planning



Citizen Engaged in
Planning Process



Building Permits
Through e-Submission

e-FIZ PErail

eFIZ Peral
Majlis Bandaraya Seberang Perai

- Dashboard
- Company List
- Vehicle/Zone Pass
- Permit Activity
- Verification
- Traffic Vehicle
- Settings

Manufacture

Temp Account: 49

Total Vehicle: 32

Agent

Temp Account: 51

Total Vehicle: 483

Forwarding

Temp Account: 162

Total Vehicle: 2,462.00

Perubahan Transaksi

Per any enquiries, please contact us!
(Dialah) 04-2696969 | ©MBS

OSC 3Plus

MAJLIS BANDARAYA SEBERANG PERAI
Agensi 13 Sektor Perumahan, Penguatkuasaan & Perlesenan Tanah

- Laman Utama
- Hubungan Masyarakat
- T.A
- Info
- Bangunan
- Larutan
- Utahsah
- Permit
- Am

SEMAKAN STATUS PERMOHONAN MBSP

Sebutkan No. Permohonan di bawah:

Senarik

Jumlah Transaksi Online 2020

Bulan	1	2	3	4	5	6	7	8	9	10	11	12
K/Menengah	23	15	20	12	10	27	20	30	11	1	1	1
L2B	1	1	1	1	1	1	1	1	1	1	1	1
Bangunan	34	10	11	16	26	44	36	44	27	1	1	1
Larutan	0	0	0	0	0	1	3	4	1	1	1	1
Utahsah	1	1	1	1	1	1	1	1	1	1	1	1
Info	22	25	37	37	36	35	35	40	28	1	1	1
Permit	1	1	1	1	1	1	1	1	1	1	1	1

Cyber Counter

Seberang aduan mengenai banjir, tanah runtuh, pokok tumbang dan lain-lain sila hubungi :

MBSP CALL CENTRE
(07.30am - 17.30pm)
04-2696969

Talian Bebas Tol (24 Jam)
1-800-88-6777

SPEED

HEBAHAN
SPEED
SEBERANG PERAI EXPRESS AND EFFECTIVE DEVELOPMENT

KOORDINATOR
Unit Pusat Selengkap (OSC)

Diselaraskan oleh **UNIT MYMUDAH MBSP**

Kelebihan Permohonan SPEED

- Permohonan plan permajuan serentak
- Pengeluaran C1 dan Plan Bangunan segera
- Permulaan kerja-kerja awal bangunan & kerja tanah
- Kebeneran mesin dipasang semasa pembinaan
- Kelulusan lesen dalam tempoh 24 jam
- Penilaian cukai tolakiran awal

Setiap permohonan yang menggunakan Insalat SPEED perlu melalui Pra Runding bersama Unit MyMudah dan Agensi Teknikal terkait.

MyMBSP Call Centre

Cyber Counter

- Penang's citizen can pay their assessment tax without having to physically attend any government offices, thus reducing congestion at the offices.
- The initiative also help to curb COVID-19 from spreading in the community.

SMART GOVERNMENT

Governance



Non-Emergency
Response Time



City Services Requested Online

Urban Planning



Citizen Engaged in
Planning Process



Building Permits
Through e-Submission

MyMBSP Apps

TATACARA PENGGUNAAN ADUAN MyMBSP apps



MBSP QR Bill

1. Scan QR Code
2. Enter Amount
3. Confirm Payment
4. Receive Receipt

Smart City of Penang

Cyber Counter MBSP

Affordable Housing



SMART ECONOMY

Economy



Open Data
City Service



New Businesses



ICT Labour
Force



Education
& R&D

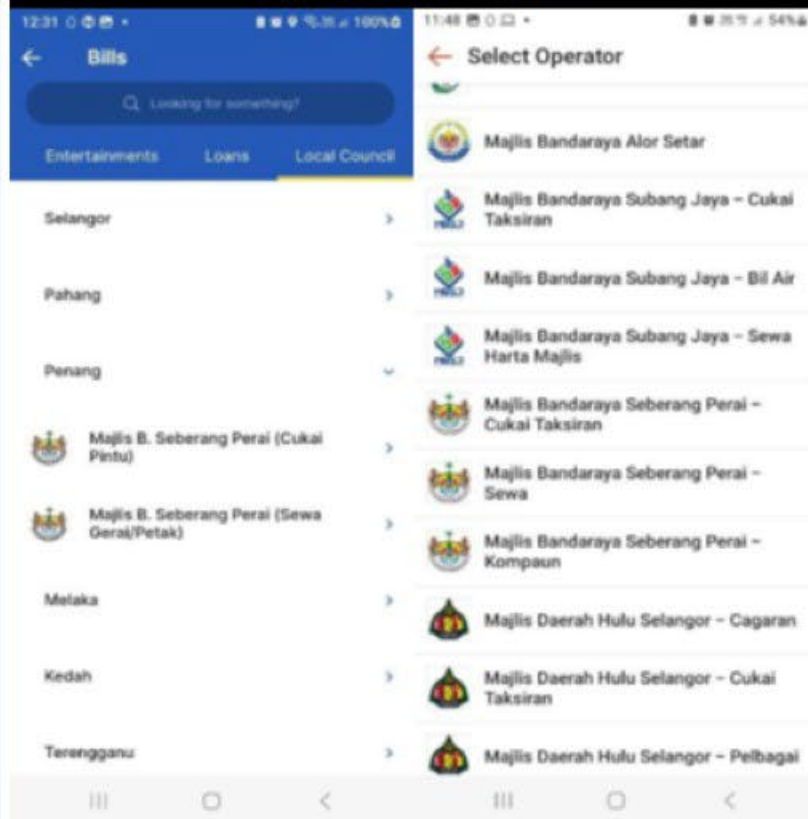
Finance



Sharing
Economy



Aplikasi e-Wallet

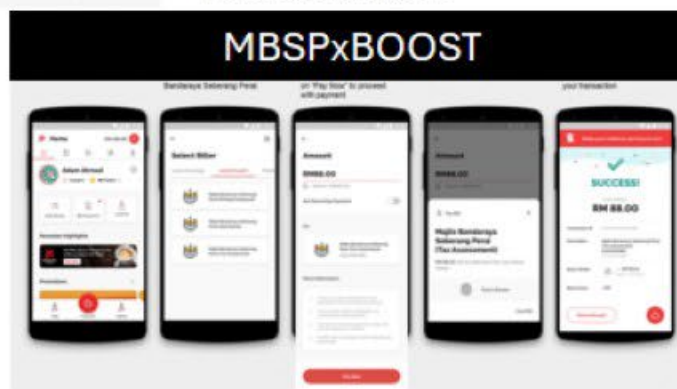


Integrated Accounting and Financial System

STATISTIK KUTIPAN HARTA RAJIBER WPAHUIT STEP 1 / KATEGORI									
Stesen/Kategori	41-Bangunan	42-Tanah	43-Lesau	44-Cagaran Pelbagai	45-Pelbagai	46-Pelan	47-Gera	48-Pig	Jumlah (Stesen)
01 - BP	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
02 - BP	40,783.14	0.00	97.70	0.00	779.00	0.00	664.00	0.00	44,843.84
03 - BP	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10 - BP	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
104 - JB	0.00	0.00	0.00	0.00	1,960.00	0.00	0.00	0.00	1,960.00
105 - JB	0.00	0.00	0.00	0.00	1,295.00	0.00	0.00	0.00	1,295.00
106 - JB	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14 - BP	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21 - BP	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23 - BP	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24 - BP	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25 - BP	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
26 - BP	64,565.50	0.00	975.84	7,790.00	1,729.00	45,870.56	1,490.00	0.00	114,746.74
27 - BP	6,859.26	0.00	1,194.08	1,730.00	27,229.00	1,242.40	1,312.00	0.00	40,566.74
28 - BP	103,530.30	0.00	1,045.50	1,250.00	2,995.40	512.00	1,284.00	0.00	110,460.60
29 - BP	66,941.30	0.00	8,192.50	0.00	736.00	0.00	3,566.60	0.00	79,435.80
30 - BP	141,886.84	0.00	1,447.74	0.00	409.00	0.00	0.00	0.00	143,743.58
31 - BP	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
32 - BP	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33 - HT	81,769.25	0.00	60.00	0.00	615.00	0.00	668.00	0.00	83,512.25
34 - HT	15,070.95	1,045.95	0.00	0.00	120.00	0.00	1,100.00	0.00	18,336.90
35 - BP	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
36 - BP	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
38 - BP	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
39 - BP	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
44 - DW	38,113.80	1,812.20	0.00	0.00	160.00	500.00	1,506.00	0.00	38,612.00
46 - DW	47,014.44	0.00	130.00	0.00	419.00	0.00	7,072.00	0.00	48,745.44
48 - DW	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
49 - BP	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jumlah (Kategori)	598,643.04	2,576.15	13,143.85	5,250.00	38,294.80	45,674.76	15,372.00	0.00	719,094.57

* Jumlah akan dibenarkan setiap 50 saat

MBSPxBOOST



SMART ECONOMY

Economy



Open Data
City Service



New Businesses



ICT Labour
Force



Education
& R&D

Finance



Sharing
Economy



SPEEDBiz



MAJLIS BANDARAYA SEBERANG PERAI

Urus Lesen Perniagaan Anda.

Kini lebih mudah menguruskan lesen perniagaan anda secara atas talian.

Sistem Pengurusan Lesen Interaktif & Bersepadu (SPEEDBiz)

Emel atau nama pengguna

Kata Lulus

Terpilih kata laluan?

Log Masuk →

Daftar Akaun Baru

Panduan Pengguna | Bantuan Laidin | Hubungi Kami

Untuk Perkhidmatan lanjut sila hubungi: Jabatan Pelancongan MBSP atau email ke perkhidmatan@mbsp.gov.my
Hanya menyokong pelayar Internet Chrome and Microsoft Edge. © Hakcipta © 2021, Majlis Bandaraya Seberang Perai.

MBSP Pay



UTAMA | PENGOLOMBA | HUBUNGKAN PENGOLOMBA | HUBUNGKAN KAMI



Portal MBSPPay Majlis Bandaraya Seberang Perai merupakan pusat sahenti yang menyediakan kemudahan untuk pembayaran bil-bil MBSP secara elektronik. Bil-bil yang boleh dibayar melalui Portal MBSPPay Majlis Bandaraya Seberang Perai buat masa ini adalah:



Cukai Tanah MBSP



Sewaan Gerai / Tapak MBSP



Perkhidmatan Komposit MBSP

Bayar Tanpa Daftar

Bayar

LOG MASUK

DAFTAR BARU

Log Masuk - Pengguna Berdaftar

No. MyKad:

Kata Kunci:

☐ I am not a robot

Lupa Kata Kunci / KLIK DISINI

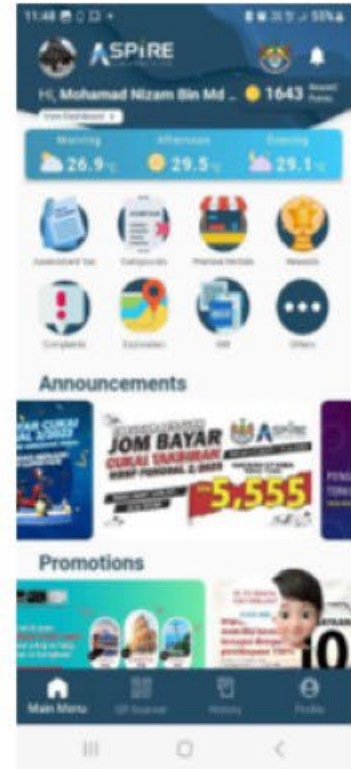
Log Masuk



Aspire Smart
Cashless
Kiosk



Kiosk Pay



Aspire MBSP

SMART LIVING



Online Booking for Public Recreation & Sport Facilities



Smart Water Meter



Digital Surveillance Camera

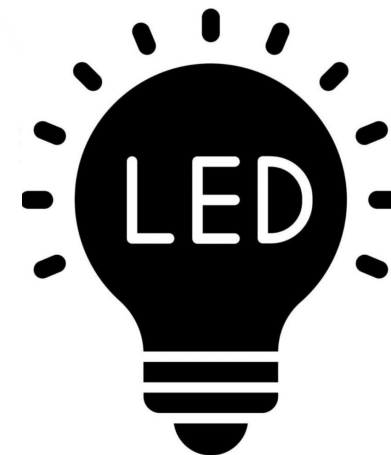


Budget for Bridging Digital Divide



Medical Appointment Conducted Remotely

Smart saving devices



Education



Digital Learning Devices



STEM Higher Education Degrees



Proficiency In Other Languages

MPSP Makerspace

educate
ideate
create

Empower learning Workshops

Self-paced learning PSC Platforms

Latest science magazine e-Learning

Cool tech gadgets Tech Lab

Shows, Events & Talks Shared Space

Freshly brewed coffee Café

Compete & Learn Competitions

Advanced Tools for Projects

Seed, grow & connect Entrepreneurs

Universal Design

Universal Design

UD



Equitable Use

Design is useful and usable by all people, regardless of their abilities or disabilities. It is designed to be used by the widest range of people as possible.

Flexibility in Use

Design is flexible, allowing people to use the design in different ways. It is designed to be used by the widest range of people as possible.

Simple and Intuitive Use

Design is easy to understand, regardless of the user's experience, knowledge, language skills, or current situation. It is designed to be used by the widest range of people as possible.

Perceptible Information

Design communicates necessary information effectively to the user, regardless of their sensory abilities. It is designed to be used by the widest range of people as possible.

Tolerance for Error

Design minimizes the consequences of errors. It is designed to be used by the widest range of people as possible.

Low Physical Effort

Design can be used comfortably and with a minimum of physical effort. It is designed to be used by the widest range of people as possible.

Size and Space

Design provides sufficient space for people to use the design safely, comfortably, and with a minimum of physical effort. It is designed to be used by the widest range of people as possible.

Butterworth Digital Library



Penang Free WiFi



Penang Free WiFi

[Home](#) | [Mission](#) | [Hotspot Location](#) | [Hotspot Map](#) | [FAQs](#) | [Photo Gallery](#) | [Contact Us](#)

Connect with
Wireless @ Penang

To Register



Tele-
communication



High Speed
Broadband



Internet
Coverage



White / Dead
Zone
Connectivity

Internet 5G



Digital
Nasional

Majlis Pelancaran **Rangkaian 5G di Pulau Pinang**



Tele-
communication



High Speed
Broadband



Internet
Coverage



White / Dead
Zone
Connectivity



Fiberisation



KERAJAAN NEGERI PULAU PINANG

GARIS PANDUAN PERANCANGAN DAN PEMBINAAN STRUKTUR
KOMUNIKASI NEGERI PULAU PINANG TAHUN 2024

BERKUAT KUASA

1 OGOS 2024

SMART ENVIRONMENT



Indoor Air Quality System



Sensor-Enabled Public Garbage Bins



Smart Energy Meter



River Water Quality Monitoring



Green Building



Electronic Waste Recycled

Sistem Utama Ber

INFLOS

Area Code: Taman Mangga (01)
 Date : 17.10.2020
 Time : 15:35:17
 Location : 5.3156° N, 100.4397°
 Area Covered : 315m²
 Pump : **ON/OFF**
 Rainfall : 135mm
 Duration : 127 min
 Rainfall Intensity : 1.063 mm/min
 Flow rate : 115,000L/day
 Water Height : 1500/3000 mm
 Tide Level : 2.7m

CCTV 1:



CCTV 2:



CCTV 3:



Waste Management



i-Collect

- 01 Pengguna mendaftar melalui aplika mudahalih/web
- 02 Pengguna menambah nilai melalui MBSP
- 03 MBSP menghasilkan kod QR berda size tong sampah yang didaftarkan
- 04 Petugas mengimbas kod QR melalui pintar ketika proses kutipan
- 05 Status kutipan dan baki akaun diiki secara masa nyata



E-Clocking system



SEA System





Indoor Air Quality System



Sensor-Enabled
Public Garbage Bins



Smart Energy Meter



River Water Quality Monitoring



Green Building



Electronic Waste
Recycled



Satellite Leachate

The old truck was modified, and a pump was installed to suck the leachate water from the compactor truck to prevent leachate spillage due to the leachate tank being full.

This innovation is expected to solve the problem of leachate spillage and is expected to optimize the use of compactor trucks because the frequency of dumping leachate at landfills can be reduced.

i-SWeeP

This system was developed to simplify the monitoring of work in the field of cleaning and the management.

- Personnel management
- Mileage Claim
- Waste collection
- Cleaning Contractors
- Vehicle Management
- Waste weight management
- Enforcement Management
- Complaint Management
- Management of Solid Waste Facilities
- Department Data Management

GREEN BUILDING INITIATIVE



Green Building Index is now

ISO 9001:2015 Certified

The certification has been awarded by SIRIM QAS International Sdn. Bhd., effective 28 December 2023.

Malaysia's International Green Benchmark



SMART MOBILITY

Transportation



Sharing Economy
Transportation



Transport Lines with Real-
Time System



Parking Spaces with e-
Payment Systems



Intelligent /Smart Traffic Lights



Low emission vehicle



Micro Mobility-
Sharing Services

Penang Smart Parking)



EV Charging



EV CHARGING
STATION



EV CHARGING
STATION

Penang Smart Bus Stop





PENANG
2030



#SeberangPeraiAspirationCityofTomorrow

THANK YOU