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Cambodia / Phnom Penh

Area: 693 km² / Population: 2.8 million /
Population density: 693 / km²



Current status of the city

Phnom Penh is located in southern Cambodia, where the Tonlé Sap and Mekong Rivers meet. It is the capital and administrative, cultural, and financial center of the country. While the city is noted for its beautiful streetscape developed based on the city planning from the French colonial period, high-rise buildings are also being developed due to the economic growth of the recent years.

Smart city action plan

Vision: To improve the urban environment to enhance citizen's quality of life.

Focus area: Built Infrastructure, Quality Environment, Civic and Social Involvement

Project 1: 11 Sidewalk Rejuvenation Project

Objective:- To increase pedestrianisation through the rejuvenation, restoration and repurposing of the sidewalks for 11 boulevards;

- To reduce pressure on traffic flows and increase Green cover.

Goals: - Improve environment quality;

- Improve pedestrian mobility and public transportation connectivity by building up attractive and walkable paths;

- Promote public participation in designing public transport policy and a management framework via social media and a public consultation forum;

- Redesigning public spaces for greater public accessibility between people and business.

Project 2: Improving public transportation development efficiency project

Objective:- To broaden city bus capacity and empower other forms of public transportation such as river boats, AGT, taxis, ride-hailing services, etc.

Goals: - Increase city bus service capacity to cover broader routes;

- Modernizing bus service efficiency with smart technology (cashless payment system, GPS tracking system, infrastructure, customer services, etc.);

- Execute Phnom Penh City Master Plan for Public Transportation 2035.

Status of progress

Project 1

- 3/11 important boulevard rehabilitation is ongoing;
- Trees were newly planted and/or replaced along 3 boulevards;
- Drainage systems were recently installed along the boulevards;
- Streetscape and street supporting facilities such as smart lighting by Minebea Mitsumi, bus shelters have been built;
- Real time and volume based smart traffic lighting and CCTV monitoring center (for the benefit of traffic management and security purposes);
- A study and detailed urban design for PP-Southern areas was fully completed with technical support from Paris.



Project 2

- 11 Sidewalk rejuvenation project;
- 13 routes with 235 buses;
- Smart payment through NFC connectivity (near field communication);
- Real-time bus traffic smartphone application;
- Recognizing roles of private hailing services provider for a better connectivity and mobility by enabling traditional motor taxi and tuk tuk to connect the publics to bus station;
- First year operating the traffic control centre located at the Phnom Penh City Hall, supported by JICA;
- AGT feasibility study with Japan;
- Working on the project for "Supporting Sustainable Integrated Urban Public Transport Development (SSIUPTD) with support from Asian Development Bank, Japan for Poverty Reduction, and JICA.

Chief Smart City Officer

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