

# Smart Lamppost Features and Applications - Overview

## HyD:

- ✓ **LED lighting** – to adopt energy saving equipment and smart management for carbon emission reduction

## OGCIO :

- ✓ **Wi-Fi access point and related network equipment** – to install free Wi-Fi service on smart lamppost at suitable locations

## TD:

- ✓ **Bluetooth detector** – to detect journey time and average vehicular speed for sharing traffic information with the public

## HKO:

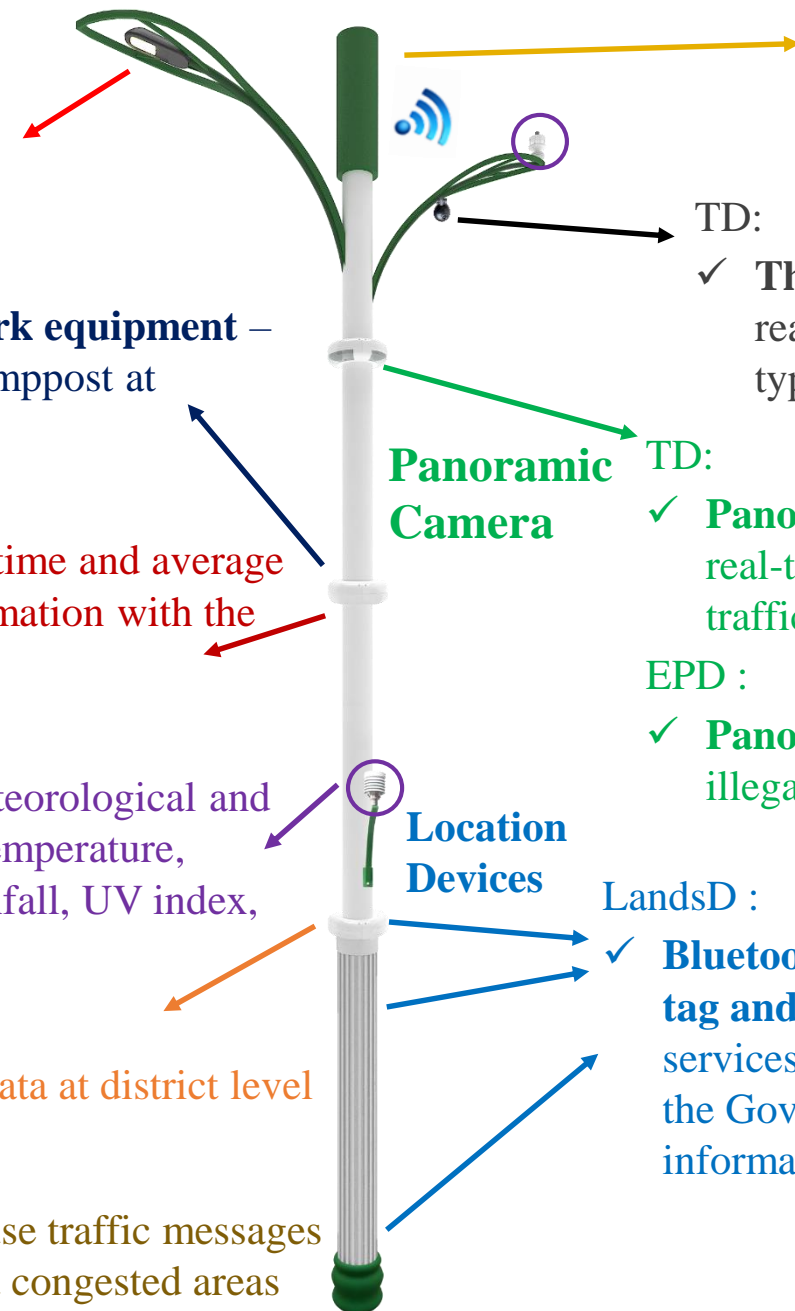
- ✓ **Meteorological sensors** – to collect meteorological and related data at district level, including temperature, humidity, wind speed and direction, rainfall, UV index, etc.

## EPD:

- Air quality sensor** – to collect air quality data at district level

## TC:

- To advise the tourist trade/agents to make use traffic messages or alerts to help them plan routes that avoid congested areas



**4G / 5G** – to facilitate mobile network operators to install base stations

## TD:

- ✓ **Thermal detector & Surveillance camera** – to collect real-time traffic data, including vehicular speed, vehicle types and traffic flow, and to monitor traffic conditions

## TD:

- ✓ **Panoramic camera with Artificial Intelligence** – to collect real-time traffic data for sharing to the public as well as traffic monitoring

## EPD :

- ✓ **Panoramic camera with Artificial Intelligence** – to collect illegal dumping data

## LandsD :

- ✓ **Bluetooth Beacon, Radio Frequency Identification (RFID) tag and Geo-QR Code** – to provide accurate positioning services to support the development of related applications by the Government and the industry, such as providing information of public facilities to the public and visitors

# Smart Lamppost Features and Applications – Smart Devices

