

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:

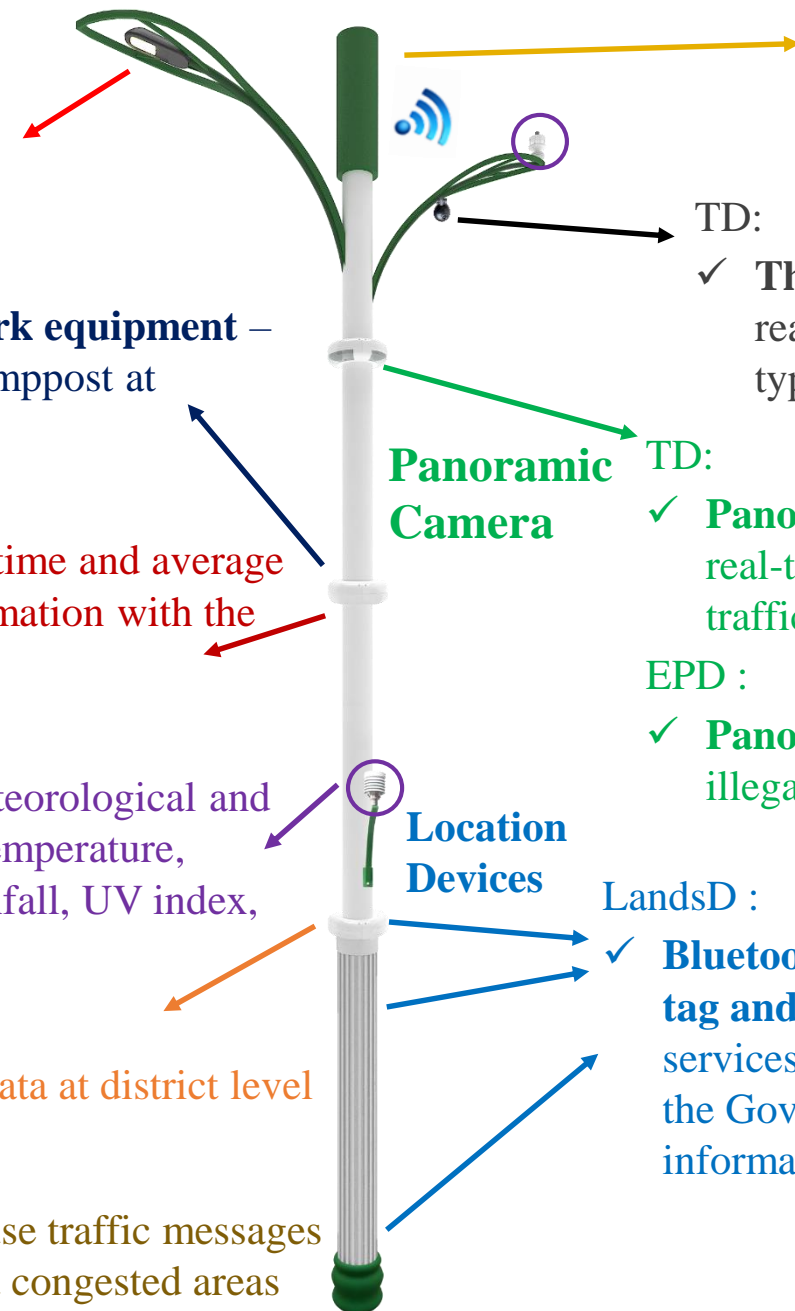
- ✓ **Meteorological sensors** – to collect meteorological and related data at district level, including temperature, humidity, wind speed and direction, rainfall, UV index, etc.

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

