PHILIPS

Public lighting

Jakarta

Connected lighting powers Jakarta's smart city transformation

The installation of 90,000 connected street lights is a huge step towards Jakarta becoming a smart city.

New LED street lighting in Jakarta

> **Our aim is to turn Jakarta into a smart city where everything is connected** to enable our citizens to live safely and more comfortably in a city that is beautiful day and night."
>
> DKI Jakarta Government Office

How did CityTouch change Jakarta?

With over nine million inhabitants, Jakarta is one of the world's most populous and fastest growing urban centers. Before the project, the city's streets and public areas relied almost entirely on conventional lighting technology with no remote monitoring capabilities. The CityTouch installation meant Jakarta could:

- Upgrade approximately 50% of its lighting
- Replace inefficient mercury-vapor lamps with high quality, energy-efficient LEDs
- Control and monitor its new street lights remotely

Philips connected street lighting

The city-wide renewal, one of the world's biggest and fastest, consisted of installing new energy-efficient CityTouch Ready LED luminaires and connecting the remaining street lighting estate to the CityTouch lighting management system. The installation was completed in just seven months, which meant the city could start enjoying CityTouch's key benefits in record time.

- 430 light points installed each day, thanks to easy plug-and-play commissioning
- 90,000 light points installed in just 7 months

Learn more at www.philips.com/citytouch

Unlocking the power of data

Each light point is connected and performance data is sent through existing networks to the city's lighting office or operator. **The data enables city officials to efficiently monitor the city's lighting infrastructure and remotely manage illumination levels to match different needs by district.** For example, in the evening when traffic is low, Jakarta's lighting office can dim the lighting by 50%, resulting in additional energy savings. CityTouch enables operators to have access to the luminaires' latest status updates, get automatic failure notifications and send repair crews only when and where needed, improving operational efficiency.

Services for peace of mind

To extend the life of the city's lighting, Jakarta chose the most comprehensive services package available, which includes on-site technical consultancy services, to ensure it benefits fully from the adoption of new technology.

> We are convinced that **connected lighting will help us reduce our energy expenses and improve public services."**
>
> DKI Jakarta
> Government Office

Modern street lighting managed

The CityTouch application allows the city to monitor its entire lighting infrastructure data, measure energy use and manage it effectively in close to real time. The app helps the city save on energy costs and makes the entire maintenance process simple, transparent and efficient.

Improved feeling of safety

Different roads in the city require different levels of light. CityTouch helps the people of Jakarta to feel safer – with better quality illumination providing the right amount of light appropriate to the setting and road use.

Data security assured

The CityTouch platform features the highest level of security, including fully encrypted user sessions and regular data backups – ensuring the city has up-to-date and secure information about its street lighting infrastructure.

Open and expandable

The CityTouch system uses open APIs and intuitive web-based applications. It offers an open communication gateway and easy integration into the Jakarta smart city platform.

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www.philips.de/lighting
www.philips.at/lighting
www.philips.ch/lighting