



Jakarta embraces smart city technology

One of the world’s largest connected lighting systems has just been installed in Jakarta, bringing the city further towards reaching its smart city goals.

Smart cities use recent advances in communications and digital technology, as well as data sharing and analysis, to make cities more livable, resilient, economically sound, and sustainable.

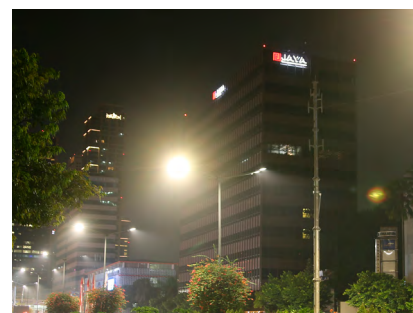
The recent project in Jakarta, Indonesia represents a significant milestone in the city’s ongoing transformation into a smart city, and involved upgrading nearly 90,000 street luminaires with energy efficient LED lights connected to the Philips CityTouch lighting management system. By integrating the CityTouch system with existing smart systems already in place, the city of Jakarta is now able to work with several systems at once and exchange relevant data to gain insights for improved operations and efficiency. With a completion target of seven months and 430 light points connected each day, this represents one of the fastest street

lighting retrofit and remote management projects undertaken to date.

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 key benefit of Philips CityTouch is that each light point is connected and performance data is sent through existing cellular networks to the city’s lighting office (Industry and Energy Department) or operator. Integration with other city systems already in place and API’s result in seamless exchange of relevant data and sustainable management of the smart city. The data enables city officials to efficiently monitor the city’s lighting infrastructure and remotely manage illumination levels to match different needs by district.

Jakarta by the numbers:

90,000	connected street lights
430	connected light points per day
70%	energy savings up to



“One of the challenges was how to integrate a smart lighting system with other Jakarta smart city systems. Philips CityTouch was the solution, because it offers system APIs, an open communications gateway and intuitive gateway applications. Now non-functioning lights can be easily detected and fixed quickly by relevant personnel.”

Setiaji, ST, Msi
Head of Jakarta smart city management unit