

Interact City powers Jakarta's smart city transformation

A major milestone in Jakarta's smart city transformation, the project upgraded nearly 90,000 street lights with energy-efficient LED lighting connected by Interact City lighting management software.

Customer challenge

With over nine million inhabitants, Jakarta is one of the world's most populous and fastest growing urban centers. Before the smart lighting upgrade, the city's streets and public areas relied almost entirely on conventional lighting technology with no remote monitoring capabilities. In such an enormous city, this kind of system became very difficult to manage.

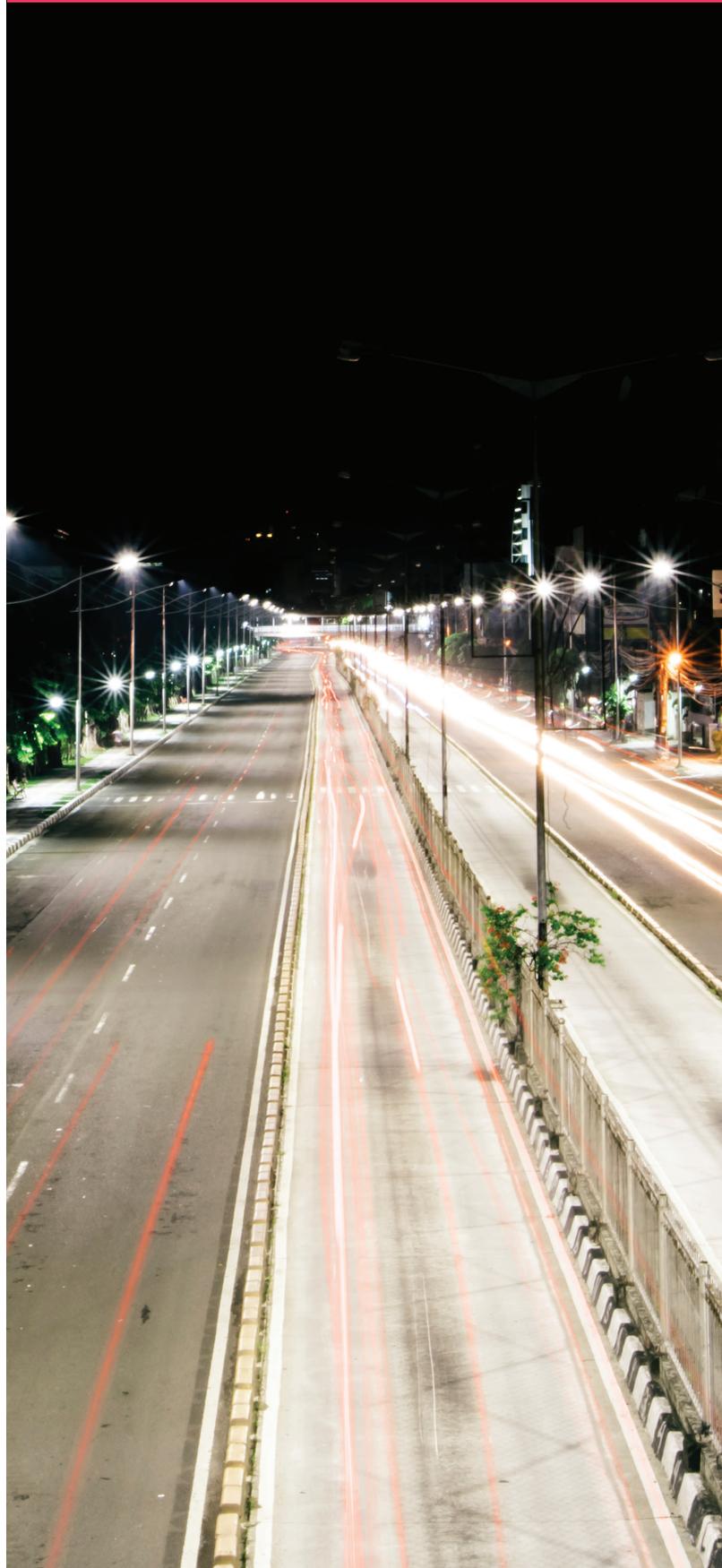
Solution

With Interact City, Jakarta could upgrade approximately 50% of its lighting by replacing inefficient mercury-vapor lamps with high quality, energy-efficient LEDs, control and monitor its street lighting remotely, and generate new insight into a key city resource.

The project was completed in only seven months, with approximately 430 light points being connected to the Interact City system each day. This makes it the world's fastest street lighting retrofit and remote management software rollout undertaken to date.

"We are convinced that smart connected lighting and Interact City software will help us reduce our energy expenses and improve public services."

DKI Jakarta, Government Office



Interact – Making it happen

Each light point is connected to the connected lighting system architecture, 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.



Better connections

"During the last few years, we have focused on urgently improving public services including street lighting," said the DKI Jakarta Government

Office. "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."



Customer control

Interact City software dashboards enable operators to have access to the latest luminaire status updates, get automatic failure notifications,

and send repair crews only when and where needed, improving operational efficiency.



Lighting asset management

Interact City lighting management software supports easy commissioning of new and existing lighting

assets plus remote monitoring of performance, energy consumption, and fault detection. Know exactly what is happening where and take action immediately through a real-time, data-enabled understanding of your city lighting.



Scene management

Remotely adapt city lighting to time of night, year, or context. Turn up lighting if there is a traffic accident or crime. Dim to 30% at night when nobody is

around. Use sensors on the light pole to detect activity to always keep your citizens safe and comfortable.

Project details

- Upgraded 90,000 street lights with energy-efficient LED connected lighting: one of the world's largest connected street lighting systems
- Project completed in only 7 months, with around 430 light points being connected each day
- Supports Jakarta's transformation into a smart city

 Find out how Interact can transform your business

www.interact-lighting.com/city

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