interact City

Interact City powers Jakarta's smart city transformation

A major milestone in Jakarta's smart city transformation, the project has upgraded 150,000 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.
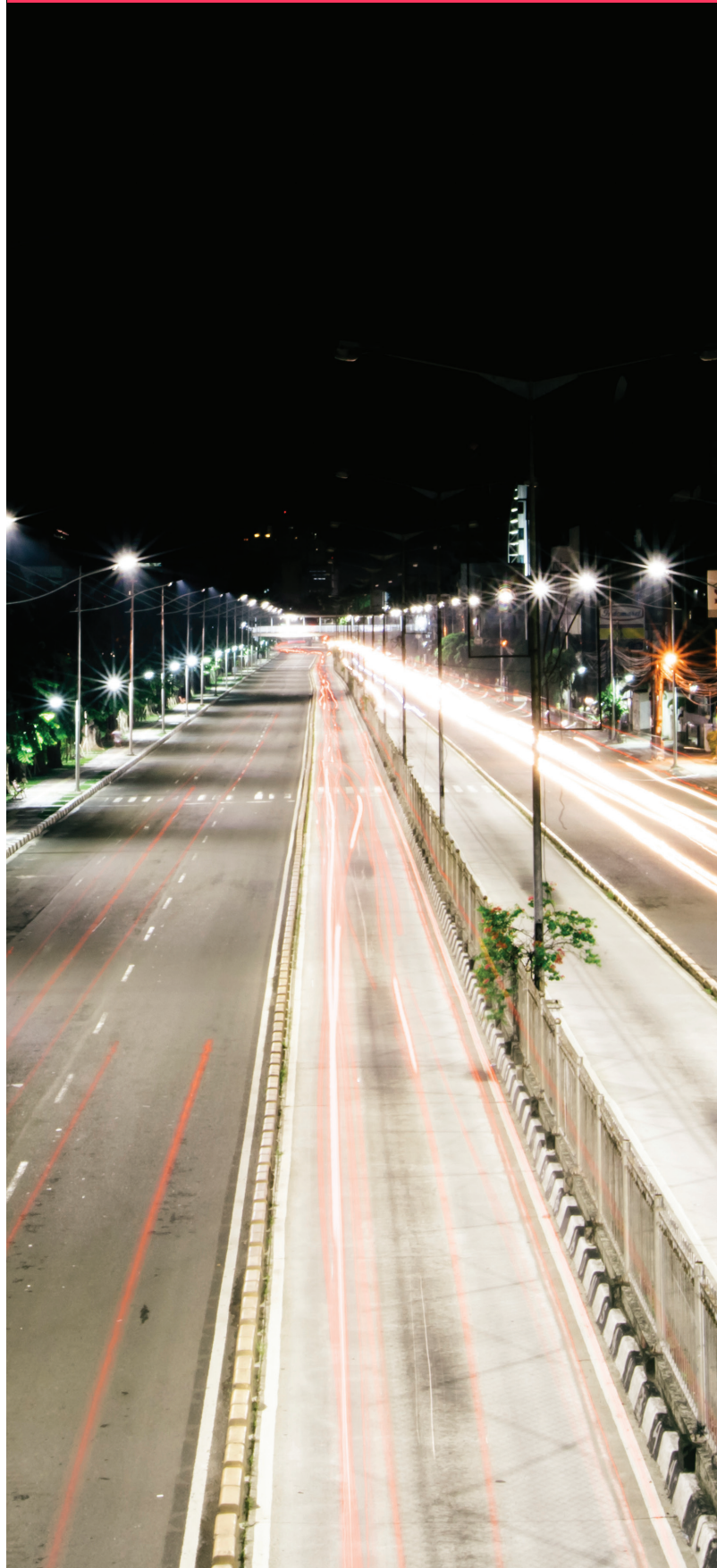
Solution

With Interact City, Jakarta upgraded more than half of its street 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 first phase of the project upgraded 90,000 street lights and was completed in only seven months, with approximately 430 light points being connected to the Interact City system each day. This made it one of the world's fastest street lighting retrofits and remote management software rollouts undertaken to date. The project's second phase brings the total number of upgraded street lights managed by Interact City to 150,000.
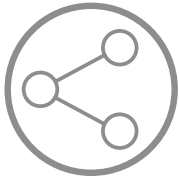
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Interact — Making it happen

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 150,000 street lights with energy-efficient LED connected lighting: the largest smart street lighting project in Southeast Asia
- First phase of the project was 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**
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