The City of Jakarta converted streetlights to Panasonic "Smart LED" for extensive energy saving.

Flexible lighting control realized energy saving. Electricity consumption decreased drastically.

Panasonic delivered a total of about 30,000 LED lighting fixtures between street light, pedestrian light and other products for public streets and sidewalks in Indonesia.

LED lighting fixtures consume about half of what HBS fixtures do, but this time spot LED lighting system were adopted, so because the lighting fixture can be controlled via network communications, energy consumption was reduced an amazing 68.7% (estimated) compared to HBS on the same capacity.

Panasonic keeps providing better lighting solutions to make the city more comfortable and sustainable.
“Smart LED” is the system for flexible control depending on the timeframe or the weather.

Each of the product connect to network. This makes it possible to intricately control them according to the brightness in the immediate area we change depending on the time of day, weather and other factors.

By reducing unnecessary lighting and illuminating the target area to only the degree needed, we are conserving the much more energy. Network communication can be selected from three systems, which give the customer greater flexibility in addressing actual needs and balancing cost.

Network communication can be selected from three systems below.

**GSM**
- Network communication via GSM card (GPRS)
  - Slim card per luminaire
  - Low investment
  - New system

**RF**
- Network communication via wireless concentrator
  - 1 Slim card for group of lamps / LAN
  - Low investment
  - Supporting ANSI controller (external) / internal controller
  - Mesh

**PLC**
- Communication system via power wiring
  - Reliable system (installed in Slovakia, Colombia and China, Indonesia)
  - 1 Slim card for group of lamps / LAN

Panasonic received an order and built the program in this case. Lighting fixtures on the network are operated and checked at once.

The operation system is easily controlled by smartphones.

Installed Products

- LED Street Light
- LED Pedestrian Light
- LED High Mast Light
- LED Underpass Light

OWNER’S FEEDBACK

“We can better manage street lighting as social assets. “

We chose Panasonic’s street lights because we know that Panasonic is a worldwide brand and has technology which has been updated according to our needs, and that after-sale service they have provided is very good.

We found many benefits from them. First, there is a reduction in energy consumption, which is proofed by the reduced payments for street lighting. They can be controlled more easily via PC or smartphone. Also, we can better manage them as social assets. In addition, service to the community can be done much more promptly and properly.

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