

The street lights in Kalyan-Dombivali upgraded to Panasonic “Smart LED” under “Smart City Mission”.

Maharashtra, India

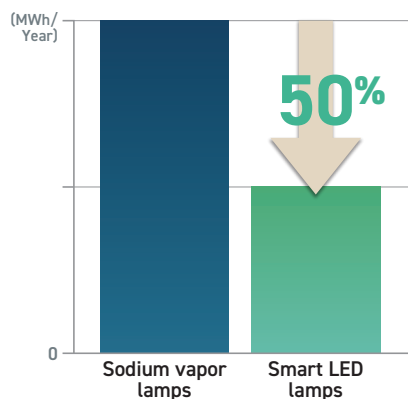


Smart LED lighting solution for smart cities

The twin city Kalyan-Dombivali is short listed as one of the hundred cities to be developed into a smart city under the government’s Smart City Mission. For the pilot project developed by Smart Kalyan-Dombivali Development Corporation, Panasonic delivered 161 smart LED street lights to upgrade the existing sodium vapor lamps to more efficient and intelligent “smart LED street lights”.

Panasonic’s lighting solution not only succeeded in reducing electricity consumption by approximately 50% but it also made it possible for lighting control and individual unit monitoring which drastically makes troubleshooting and maintenance more efficient and smoother.

⚡ Electricity Consumption (Estimated by Panasonic)



Reduction of electricity charges and management costs with intelligent street lighting solutions

Sodium lamps were used for the conventional lights in the area. The Smart Kalyan Dombivli Development Corporation required a solution that could achieve both reduction of electricity charges and management labor. As a solution, Panasonic provided smart LED street lights to meet these requirements.

The smart street lights can be remotely monitored and controlled by any device having internet access. This allows them to program the street lights to adapt to ever changing situations, monitor individual parameters, control dimming, manage assets, generate actionable reports for various analysis to optimize the system and do much more.



Before: Sodium vapor lamps



After: Smart LED street lights

Streets have become brighter and safer for drivers and pedestrians

Benefits of "Smart LED" system

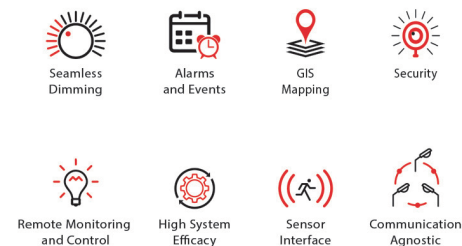
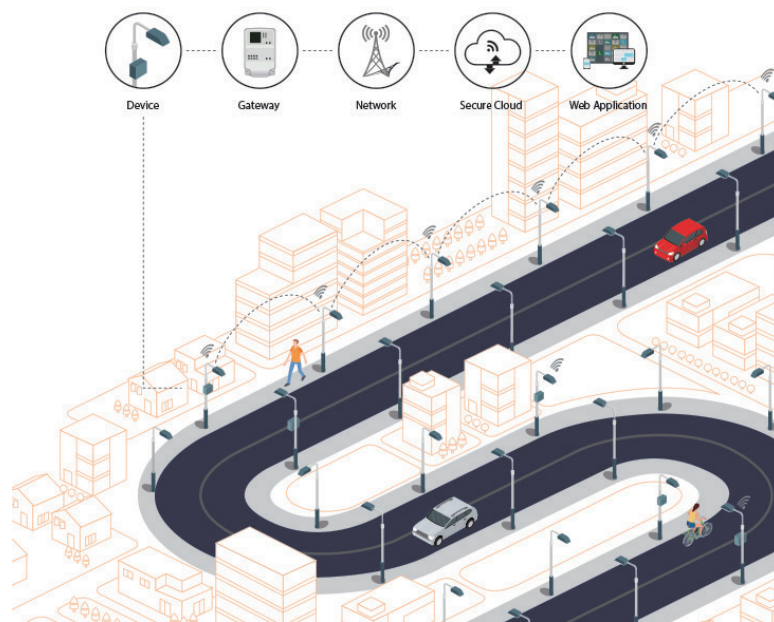
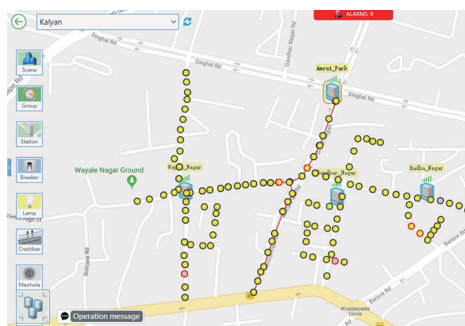


Image of the "Smart LED street lights" system



Dashboard for remote monitoring and control



If an abnormality occurs such as a light not turning on, it is immediately alerted to the system, making it possible to significantly streamline and facilitate investigations and maintenance. In addition to being able to check the usage status at any time with the dashboard which has an easy-to-understand UI, it can also generate reports summarizing the usage status. The monitoring management and reports enable them to quickly identify problems, realize areas for improvement, and ensure that each fixture is always lit in optimal conditions. This is a street light solution that matches the "Smart City Mission".

Panasonic keeps providing better lighting solutions to make the city more comfortable and sustainable.

OWNER'S FEEDBACK

"The citizens will definitely have benefits."

"The advantage of smart street light is that whenever we got problems, we get notified via the software, the individual controller knows whether the individual light is on or off, or whether the voltage has fluctuation or not. In case it stops working, even if no one registers a complaint, the engineer can go there and solve the issue. Also the time spent behind investigations won't be required at all. Furthermore, the electricity consumption is 50% less with LED and still provides fantastic brightness."



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Products for Solutions



LED Street Light (90W/120W)

