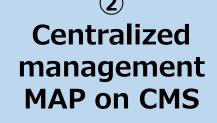
MinbeaMitsumi Smart City Solution



MinebeaMitsumi Smart City Solutions

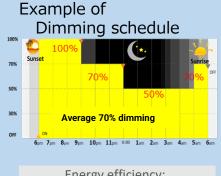


Wireless technology 6LoWPAN

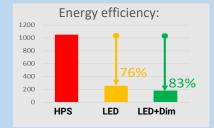




③
Reduction of electricity cost =GHG emission



reduction

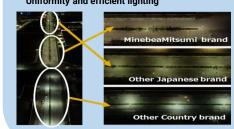


Efficient lighting





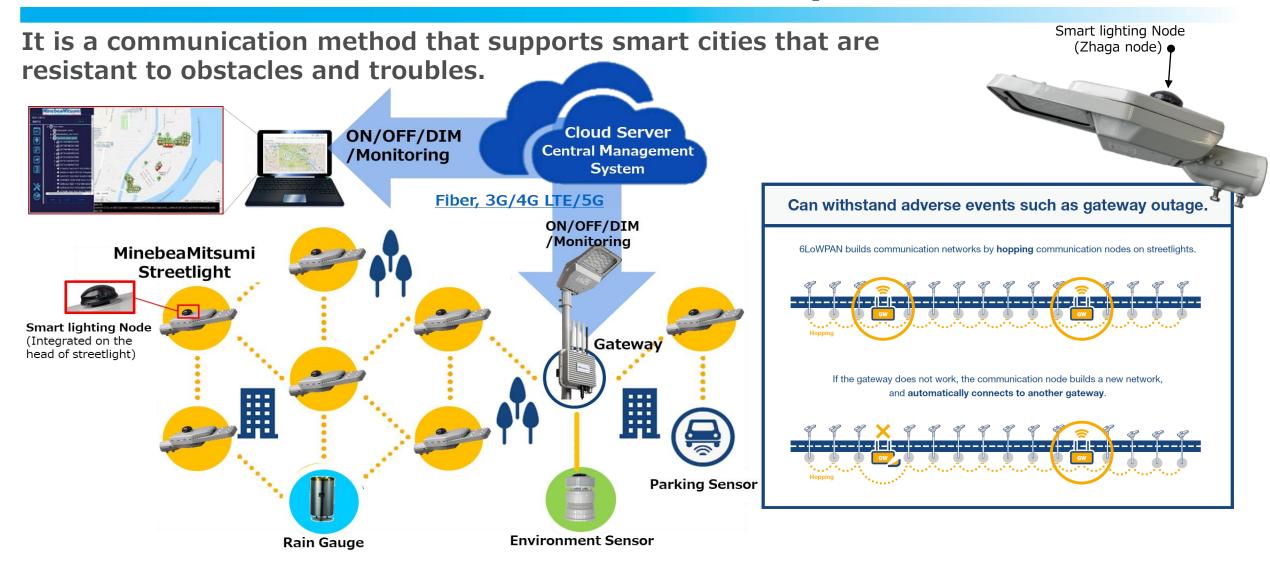
Uniformity and efficient lighting







MinebeaMitsumi Wireless network platform MinebeaMitsumi



- •6LoWPAN allows to connect all sorts of IoT devices to an IP network and transmit IPv6 data packets end to end across a low power wireless network.
- •Our gateway supports dual network communications: 6LoWPAN IoT sensors/devices using low volume of data packets, and high bandwidth devices such as security cameras that require high volume data packets transfer.

Dimming control: What is dimming?

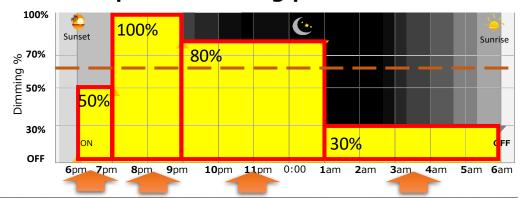


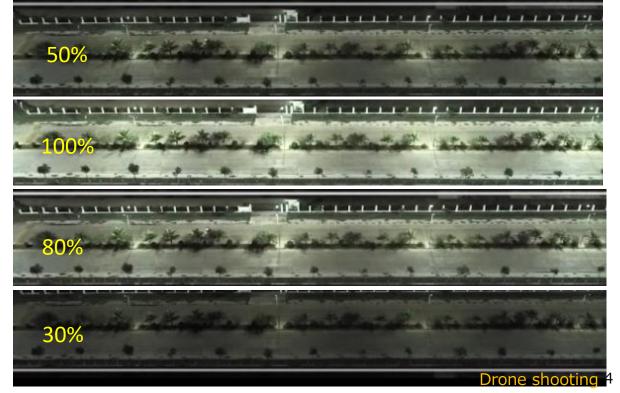
Smart lighting to contribute to reduction of GHG emissions.

We offer advanced lighting system that significantly helps in energy savings by applying dimming control of lights to provide optimum brightness on road to match the traffic volumes and people`s activities.

100% 30%

■ Example of dimming pattern



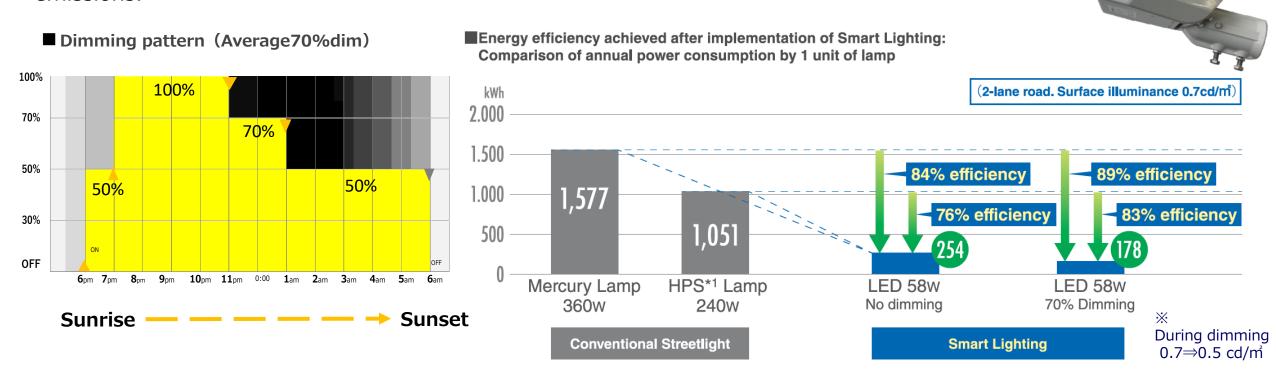


Dimming control: Energy efficiency



Excellent energy-saving performance and CO₂ emission reduction

Our smart LED streetlights can reduce power consumption up to 90% compared to conventional mercury lamps. This is a significant contribution to the reduction of CO_2 emissions.



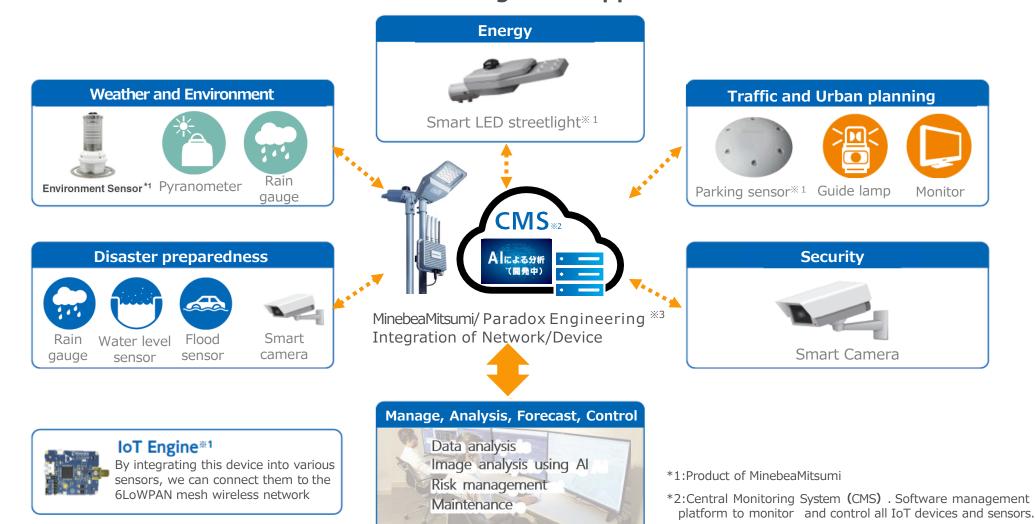
The annual electricity cost saving is 85.2 million yen

if **3,000 lights** are replaced with smart lighting (average 70% dimming), from mercury lamps. 53.17 million yen cost saving from HPS lamps

Expandability for Smart, Open Cities



Our wireless network can be expanded by integrating additional sensors and IoT devices. This allows our valued customers to innovate and design new applications of their needs.



*3:Paradox Engineering is a MinebeaMitsumi Group company.

Worldwide Installation

- = Installed qty
- * = Demonstration
- () = Planned installation







MinebeaMitsumi Inc.

http://www.minebeamitsumi.com/

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