

INTELLIGENT STREET LIGHT CONTROL SYSTEM

LIGHT IS CONTROLLABLE



CN Widars Co., Ltd.

Smart Street Light

Low power/wireless street light control system with Long range ISM band

- ▶ **100% our own solution with no telecom/network providers' interference.**
 - 1 gateway can control and monitor 1 to 256 street lights and reach 1Km to 3Km.
 - Control and monitor an street light individually, by group and by territory.
 - Analyze electricity usage data --> draw most efficient street light management.
 - Notice and fix any troubles with street lights at remote location in a short time.
 - Build mesh type network by communication between street lights --> Expand coverage

- ▶ **Energy saving**

Save 50% to 60% by replacing traditional lights with LED lights



Save 30% to 40% with our light control system

Save 70% to 80% finally
(Energy and maintenance cost)

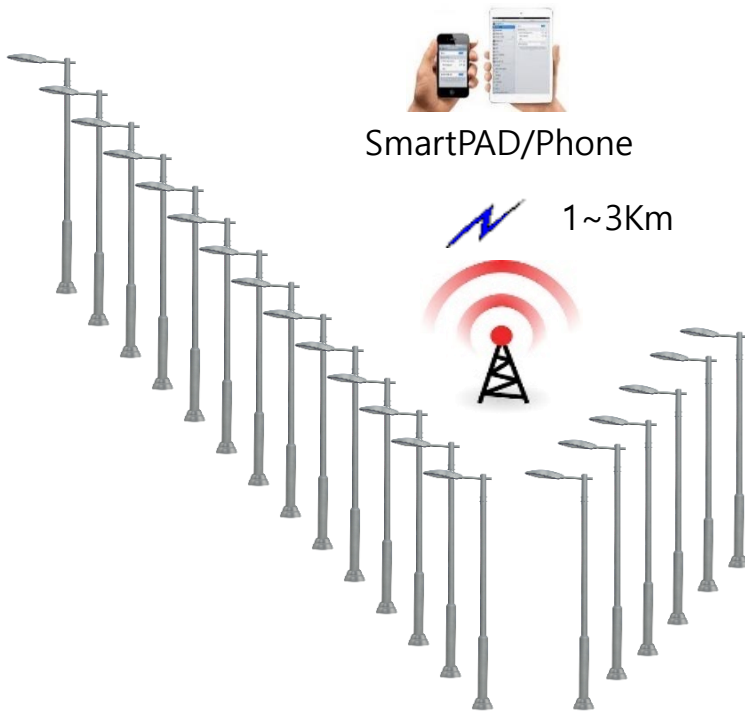
- ▶ **Expandability**

- Can build independent wireless network even in area with no communication infrastructure.
- Compatible with various sensors and equipment for smart city platform

Smart Street Light

Phased light control system

1st : Independent control system with Gateway
(for the area with no communication infrastructure)



- Operator can set gateway by smart pad or phone (On, off, dimming and scheduling)
- Can build Integrated control center later when being connected to network (LTE or Internet)
- 1 gateway can control 256 lights
- **Can operated system in islands and mountains where it is hard to build communication infrastructure**

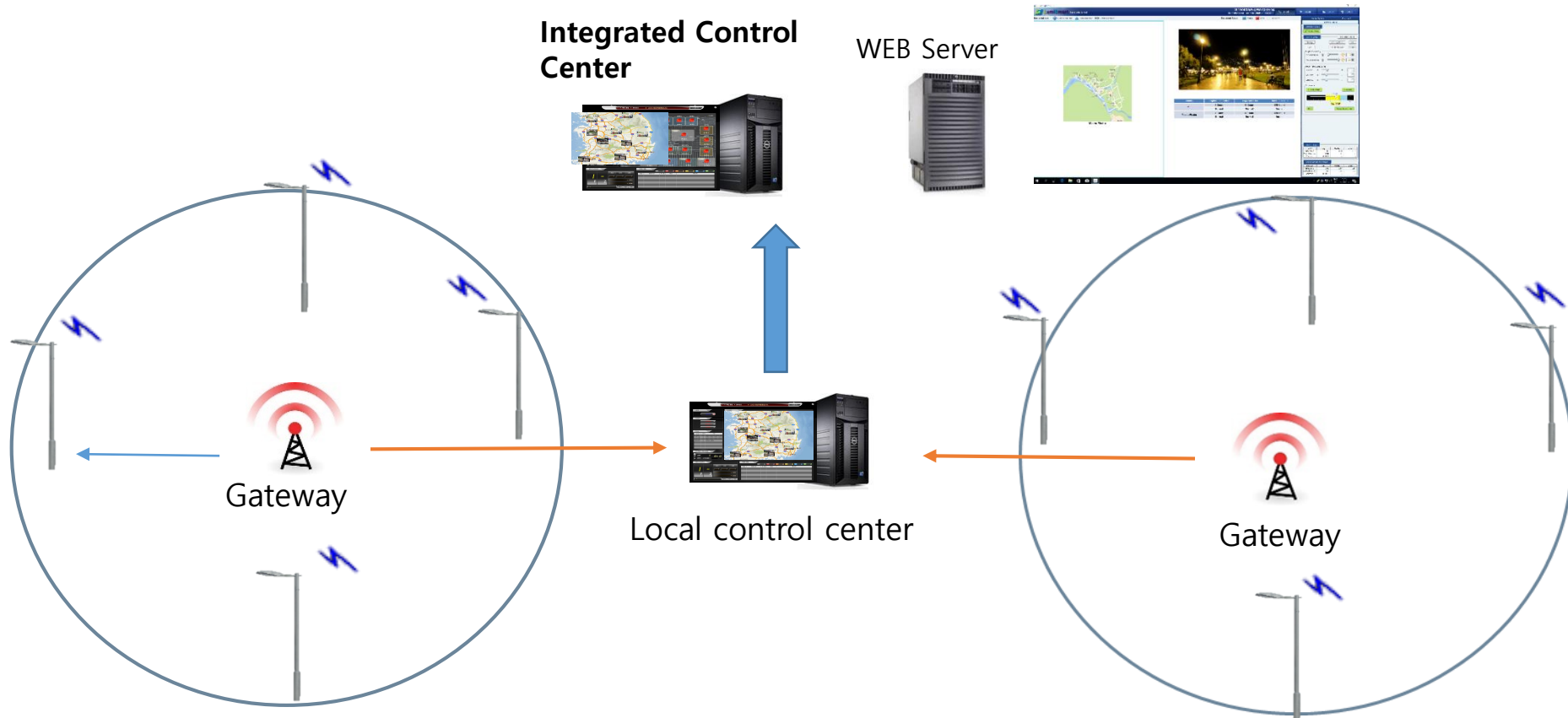


Smart Street Light

Phased light control system

2nd : Integrated Management Center system by internet or LTE

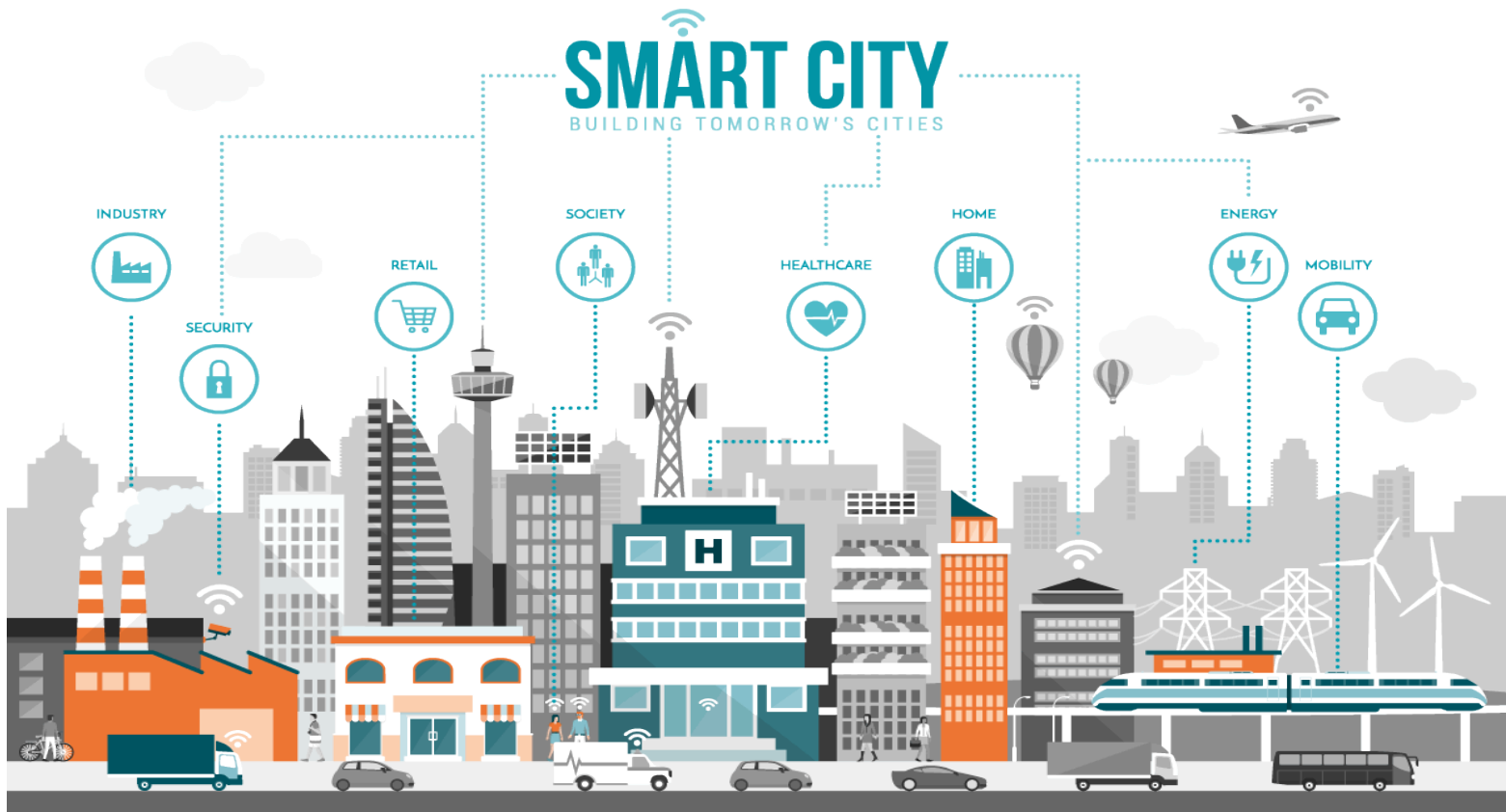
Each light build wireless network cluster in 2 to 10Km around it.



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Phased light control system

3rd : Expanding to Smart city platform

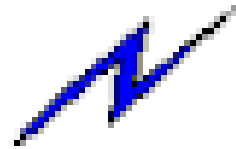


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System components



1~3Km



LED Street Light

- Antenna
- Driver
- Controller

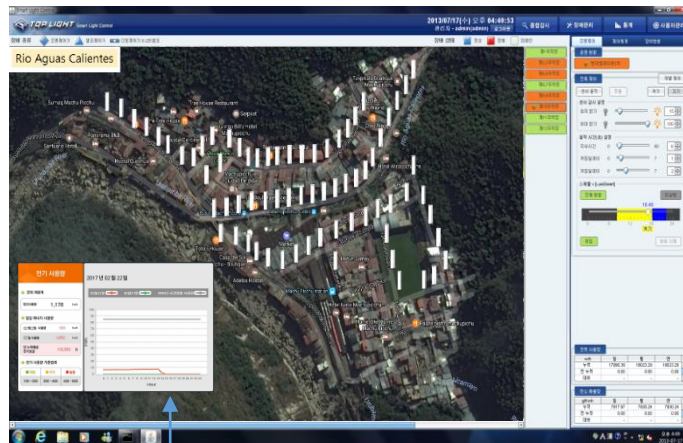
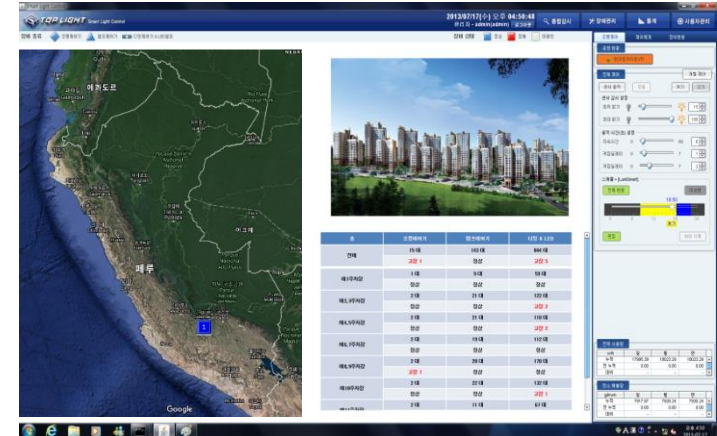
Gateway

- High gain antenna for gateway
- Gateway

Smart Street Light

Integrated control center

- **GUI for control center**
- Light control : On/Off, Dimming, Scheduling
- Monitoring with tables and graphs : Lights and electric energy consumption
- Setting control network
: Independent light, Zone, Group, Area
- Sensor control (if installed)
- OS : windows



Check electric energy consumption everyday with popup

