

SMART STREET LIGHT MONITORING

SEE EVERY STREET LIGHT. KNOW ITS STATUS.

Remote status monitoring and GIS-based maintenance workflow for city-scale street-light networks.

TERMINAL

at each street light

BLE MESH

node-to-node data

LTE

gateway uplink

GIS

location + status

FROM MANUAL PATROL TO TARGETED MAINTENANCE

Know the asset location and operating status before dispatching a crew.

FIELD DEVICE

Smart Terminal on each pole

MESH NETWORK

Street-light nodes relay data

SMART GATEWAY

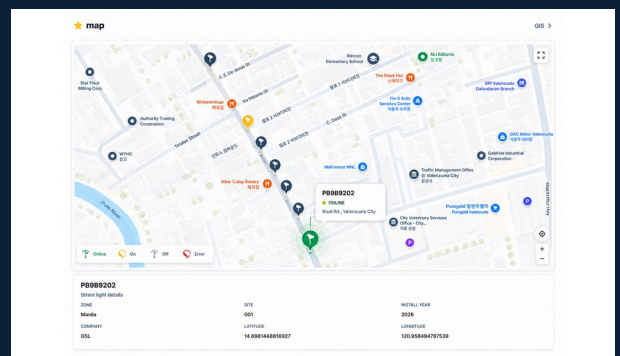
Mesh aggregation + LTE

CONTROL VIEW

SmartAdmin GIS dashboard



LIGHTING STATUS + CONTROL DATA



SMARTADMIN GIS

Location-based asset view + maintenance dispatch

IMPORTANT: GSL Smart Gateway carries street-light status/control data. CCTV video transmission uses a separate project-specific video communication network.

FIELD DATA TO GIS CONTROL

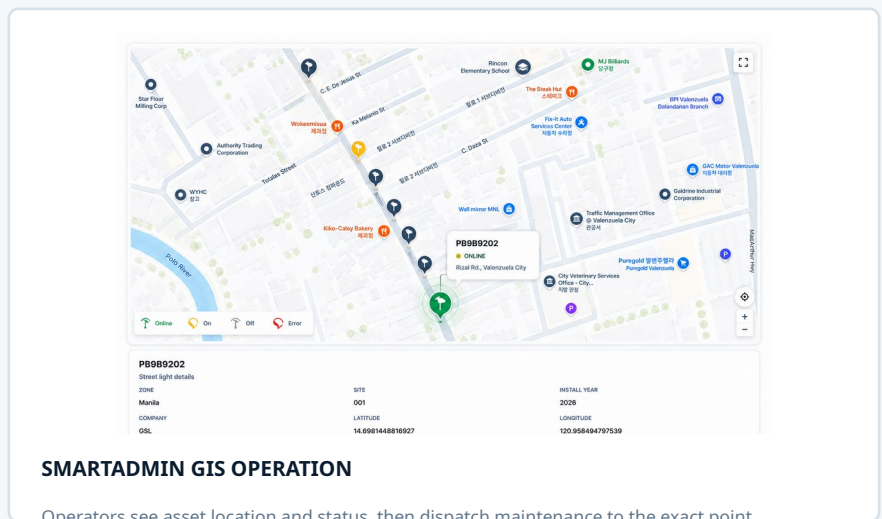
A verified lighting-control path from each street-light terminal to the operator's GIS view.



ENGINEERING NOTE

Lighting gateway ≠ CCTV video gateway.
Optional abnormal-power sensing is published only after hardware implementation is confirmed.

FIELD DEVICES



CORE FUNCTIONS

MAP-BASED ASSET VIEW

Street-light position on GIS

OPERATING STATUS

Know status before site visit

TARGETED DISPATCH

Send crews to exact asset

REMOTE CONNECTIVITY

LTE uplink from gateway