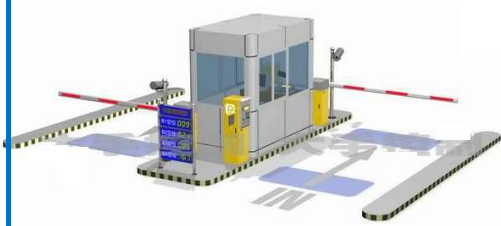




SUBSCRIPTION BASED WITH  
ANPR  
TICKET DISPENSER  
TICKET READER  
INFORMATION DISPLAYS  
PARKING SPOT SIGNS



# OPEN PARK

## Integrated parking and tolling system



OpenPark is an integrated Parking Management, tolling and vehicle access solution. It integrates several sensors according to customer site needs including ANPR cameras, RFID readers, Barcode ticket dispenser and reader using secure QR-Code. It also includes a complete POS system, shift management, cash accounting and collection, ticket printing manually and through ticket dispenser and mobile application.

Every vehicle entry/exit record is documented with a snapshot and or Video clip with time stamp, relevant ticket or RFID card data used in the event.

Automatic Number  
Plate Recognition  
that works  
worldwide

Free subscription  
lane, ticket  
dispenser for non-  
members, ticket  
readers, e-payment  
with NFC

Centralized  
management can  
work with unlimited  
number of entry and  
exit lanes

OPENPARK  
TECHNOLOGIES KFT  
1051 Budapest,  
Széchenyi István tér 7-8  
Hungary

Tel: +361 800 1909

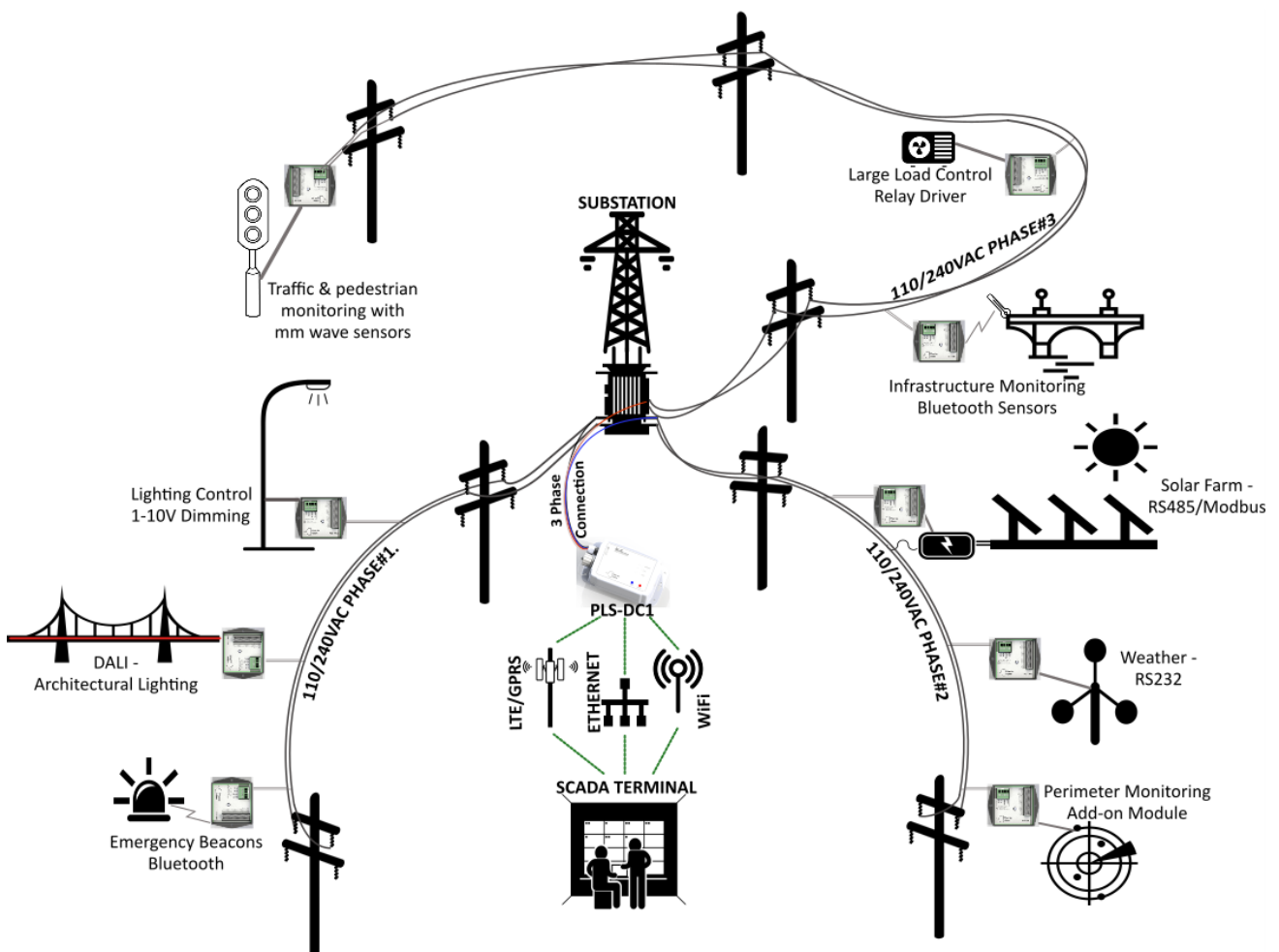
[www.open-park.com](http://www.open-park.com)

# OpenPark Smart Street Lighting

An architecture designed from the ground up for long range secure, reliable communications on power lines based on international G3-PLC standards

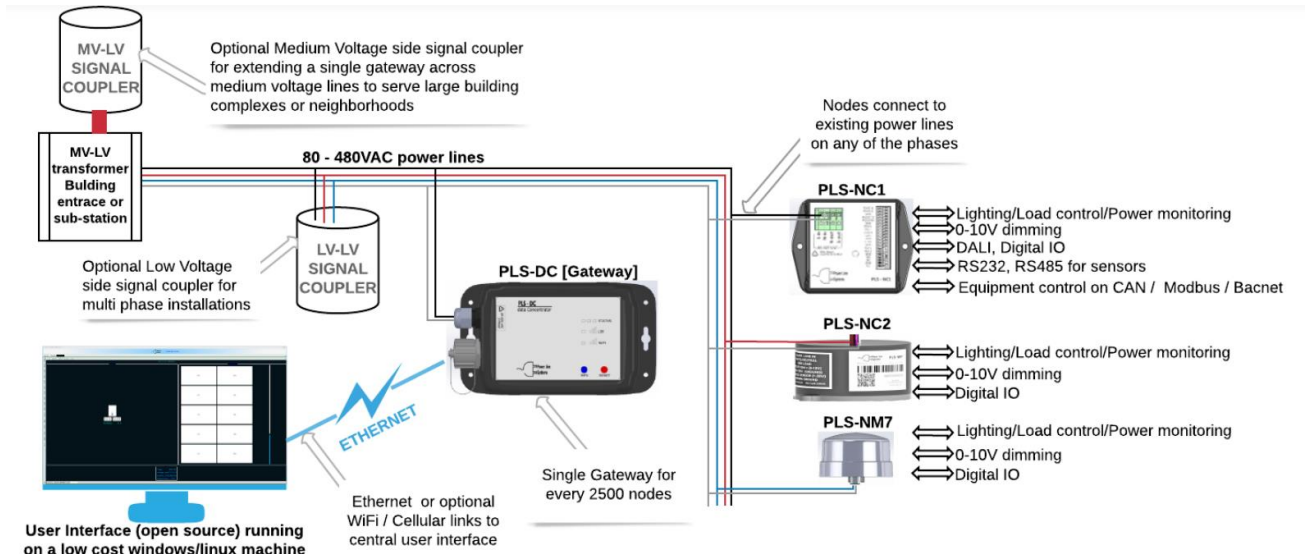
Simple plug-and-play control and monitoring of lighting, sensors and equipment using existing power lines without the need for any new wired or wireless set up.

- Power Line Systems network, based on G3-PLC (ITU-T G.9903) architecture, consists of multiple NC1, NC2 or NM7 network nodes and a single network data concentrator (gateway)- DC.
- The network nodes can exist on any of the three phases of the low voltage (80 – 480VAC) side of the power grid.
- Each node can be miles out from the nearest node (depending on the number of intermediate power line branches) and maintain network connectivity.
- The data concentrator (gateway) , DC, connects to one of the phases of the power grid on the low voltage side.
- Each DC can support up to 2500 network nodes.
- Each DC has the capability to communicate with the central SCADA terminal via secure ethernet, WIFI or LTE /CDMA/GSM cellular network.
- The network automatically installs and is self-healing; there is no field installation necessary other than mounting and wiring of the nodes.
- An optional LV-LV signal coupler can be used to propagate signals from multiple phases (or multiple transformer secondaries) to the all the phases in the installation.





# Wide area networks on existing power lines



## PLS DC



- Data gateway for connecting to 2500 nodes (NC1, NC2, NM7) located on the power grid
- Connects to any phase of the local power grid - 80 to 480VAC
- Can connect to nodes located in multi-phase buildings or neighborhoods using coupling (LV-LV or MV-LV) units
- Isolated air gapped private network - independent of the internet or any third-party networking infrastructure
- Optional WiFi or cellular LTE connection when needed for remote management
- Industry leading 256-bit elliptic curve cryptographic security

## PLS NC2D



- Up to 2500 nodes on the local power grid
- Up to 3 miles between nodes
- Installs without any setup - auto connecting auto healing mesh network
- Load / Lighting control up to 4KA, 80-480VAC with power monitoring
- DALI bus dimming
- One input/output (programmable function) wire pair with 12V power @ 50ma



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