



Lampuin

Solusi Lampu Pintar

Smart City Solution Profile 2026

Smart Lighting & Smart City IoT Platform

Solusi terintegrasi untuk monitoring, control, automation, dan pengelolaan infrastruktur pencahayaan serta perangkat kota berbasis IoT dan cloud.

● Smart Lighting

● Smart Pole

● Smart City

● IoT Platform

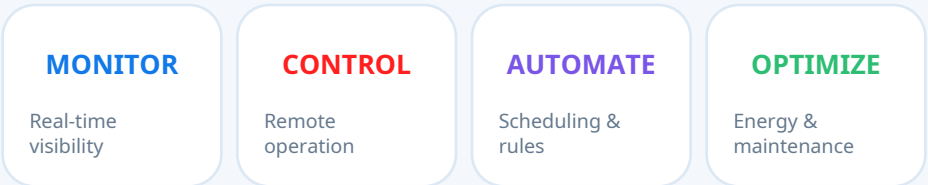
Lampuin by Microthings - PT Farra Ekatama Solusi

COMPANY OVERVIEW

Lampuin - Connected Infrastructure for Smarter Cities

Lampuin adalah platform Smart Lighting dan Smart City berbasis IoT untuk membantu pemerintah, kawasan, industri, dan pengelola infrastruktur memonitor, mengontrol, serta mengoptimalkan perangkat lapangan secara terpusat.

Pendekatan device-to-cloud menghubungkan pencahayaan, smart pole, sensor, gateway, jaringan komunikasi, cloud platform, dan command center dalam satu arsitektur yang skalabel.



Target Application

Public Infrastructure

Road, park, public area

Government & Smart City

City operations & command center

Industrial Area

Lighting, safety, environment

Commercial & Property

Campus, estate, mixed-use

SMART LIGHTING

Intelligent Lighting, Visible from One Platform

Real-time Monitoring

Pantau status lampu, koneksi, parameter listrik, dan kondisi perangkat.

Remote Control

ON/OFF dan dimming dapat dikelola dari pusat monitoring.

Automation & Scheduling

Jadwal operasi dan aturan otomatis membantu menjaga konsistensi layanan.

Energy Monitoring

Data konsumsi membantu evaluasi efisiensi dan perencanaan operasional.

Fault Alarm

Gangguan perangkat dapat ditandai untuk mempercepat tindak lanjut.

GIS / Map View

Titik lampu dapat dikelola berdasarkan lokasi untuk operasi skala area atau kota.



SMART POLE

Smart Pole as a Multi-function IoT Infrastructure

Typical Smart Pole Modules



LED Lighting

Smart illumination & dimming



Weather Sensor

Weather parameters



Communication

LoRaWAN / NB-IoT / 4G/5G



CCTV

Area monitoring & safety



Environmental Sensor

Air quality & environment



IoT Gateway

Data aggregation & edge connectivity

Modular by design

Konfigurasi perangkat dapat disesuaikan dengan kebutuhan lokasi, ketersediaan jaringan, dan tahap pengembangan Smart City.



SMART PLATFORM

Lampuin Cloud Platform - Monitor, Control, Analyze

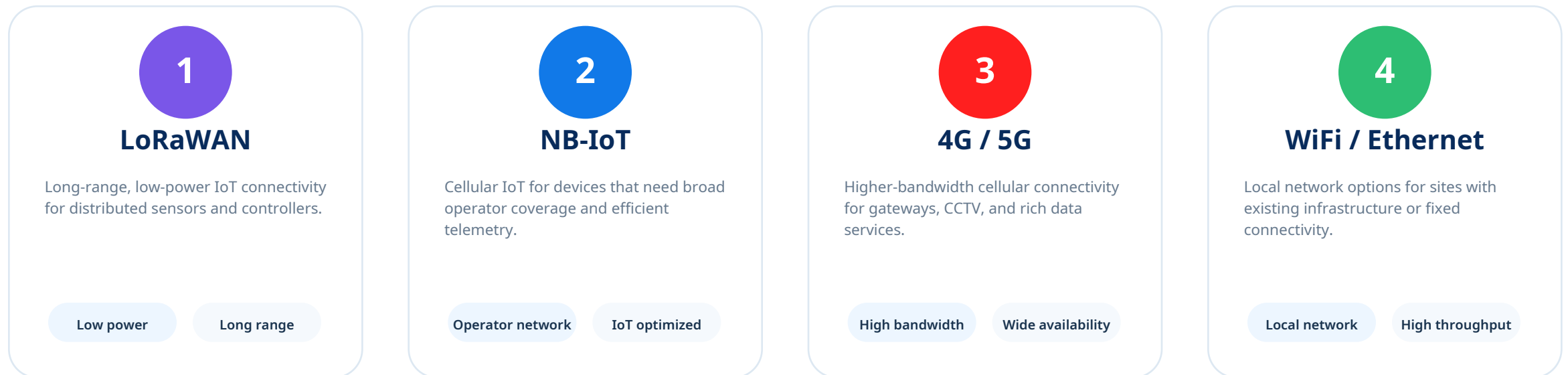


Core Capabilities

- Monitoring**
Live status & device health
- Control**
Remote actions & configuration
- Automation**
Schedules & rule-based operation
- Alarm**
Events, threshold & incident visibility
- History**
Trend and performance review
- Integration**
API-ready architecture for system integration

COMMUNICATION

Flexible Connectivity for Different Field Conditions



Design principle: choose the network per use case - not one technology for every device.

IOT ARCHITECTURE

End-to-End Smart City Data Flow



Operational Outcomes



IMPLEMENTATION

Designed for Multiple Smart Infrastructure Scenarios



Jalan Perkotaan

Smart lighting, monitoring titik, fault alarm, remote control.



Taman & Public Area

Adaptive lighting, safety monitoring, environment sensing.



Kawasan Industri

Lighting, CCTV, utility monitoring, gateway, environment.



Commercial & Property

Area lighting, access to monitoring, energy visibility.



Campus & Healthcare

Safer connected areas with centralized operations.



Residential / Township

Scalable lighting and smart infrastructure across zones.

From pilot deployment to city-scale rollout - modular, measurable, and expandable.

PROJECT REFERENCE

Selected Public References

Public Infrastructure

Gasibu Project

Smart lighting / public-area infrastructure

Project reference

Public Area

GOR & Taman Saparua

Lighting and connected public-space implementation

Project reference

Industrial

Waskita Plant Karawang

Smart lighting / industrial-area implementation

Project reference

External-use note

Untuk tender atau dokumen resmi, detail client, scope, lokasi, kuantitas, dan izin publikasi sebaiknya divalidasi terhadap dokumen proyek sebelum distribusi.



Build Smarter Infrastructure with Lampuin

Konsultasikan kebutuhan Smart Lighting, Smart Pole, Smart City, konektivitas, dan cloud platform untuk proyek pemerintah, industri, kawasan, dan properti.

Website

lampuin.id

Smart Lighting & Smart City IoT Platform

Konsultasi & Project Inquiry

lampuin.id/contact-us/

Sampaikan kebutuhan, lokasi, jumlah titik, dan target implementasi.

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2026 Edition | Smart Lighting. Smart Infrastructure. Connected City.