

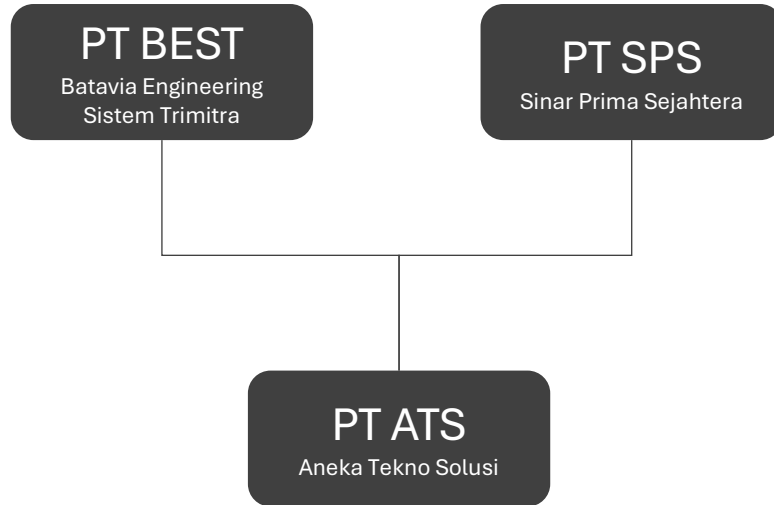
ATSENERGI

SMART STREETLIGHT
"ENERGY SAVING"



PT. ANEKA TEKNO SOLUSI

Energy Engineering Group



Starting in 2004, we continue to develop, providing the best products and services to our customers, bringing and implementing the latest, advanced, energy-saving technology. Entering a new era of zero carbon, we are actively involved by opening a business division in the renewable energy sector. In 2024 we establish PT ATS.

 **PT. BATAVIA ENGINEERING SYSTEM TRIMITRA**


PT. SINAR PRIMA SEJAHTERA

OUR MISSION

We always give the best value to our customers.

OUR BUSINESS PHILOSOPHY

We are constantly focused on offering technologically advanced, high quality, industry leading product at the most competitive price and supported by a standard of service second to none in the industry.

QUALITY

Quality is of paramount importance to us. We regularly monitor and test our product and service for reliability and performance expected in top quality control devices. Customer satisfaction is therefore assured.



PT. ANEKA TEKNO SOLUSI

Energy Engineering Group

OUR OFFICE

Marketing Office

Sahid Sudirman Center
42 floor Unit D
Jl. Jenderal Sudirman No. 86, Jakarta Pusat,
Indonesia 10220
(PT SPS Sinar Prima Sejahtera)

Logistic, R&D Office

Business Park Kebon Jeruk
Jl. Meruya Ilir Raya No.88, BLOK E2 NO 11,
Jakarta Barat, Indonesia 11620
(PT BEST Batavia Engineering System Trimitra)

Showroom, R&D Office

Business Park Kebon Jeruk
Jl. Meruya Ilir Raya No.88, BLOK I NO 12,
Jakarta Barat, Indonesia 11620
(PT ATS Aneka Tekno Solusi)

WORKSHOP/FACTORY

Jl. Industri II, Laksanamekar, Padalarang, Kabupaten
Bandung Barat, Jawa Barat 40553, Indonesia
Electronics and PCB Factory

CONTACT:



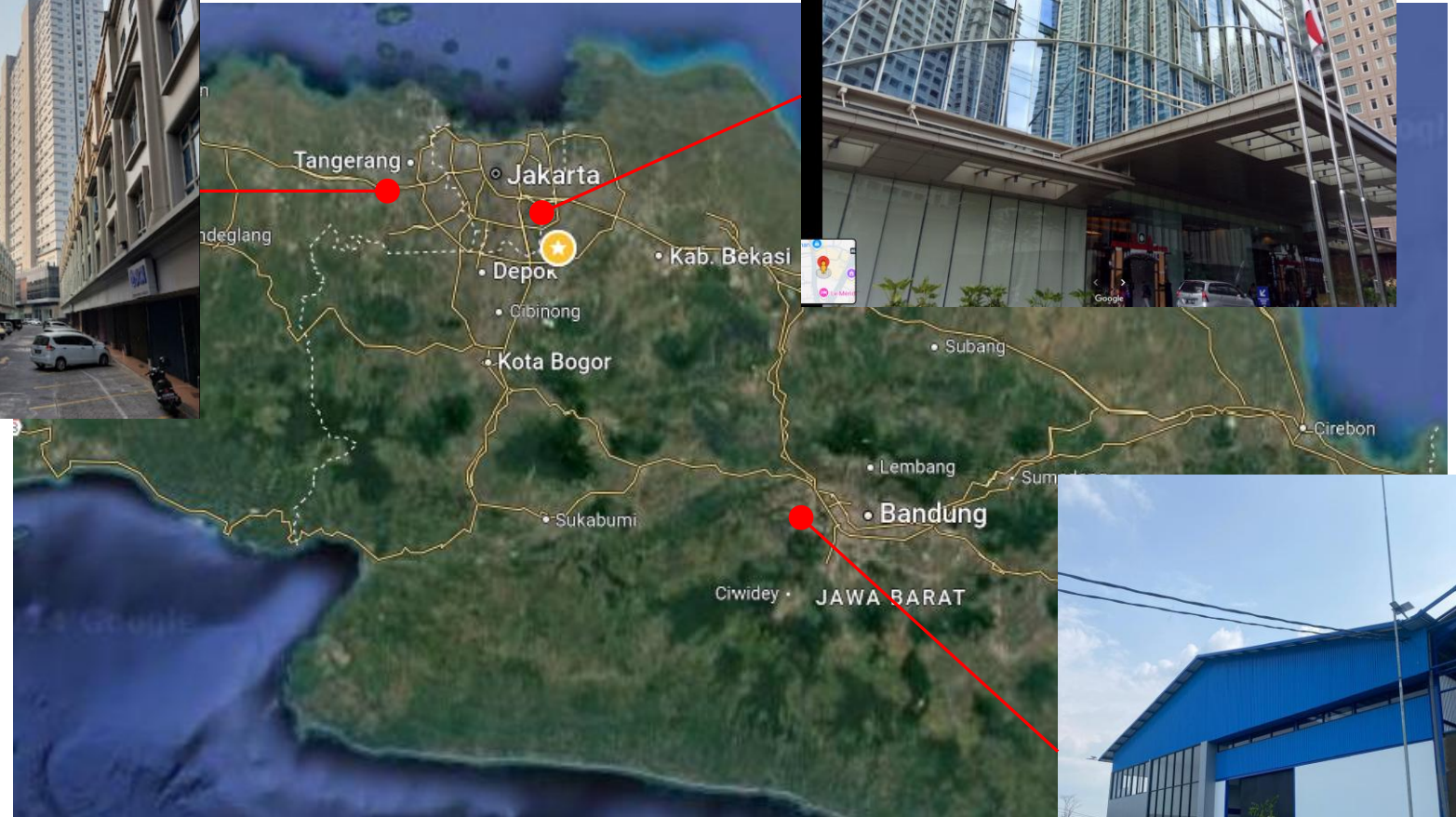
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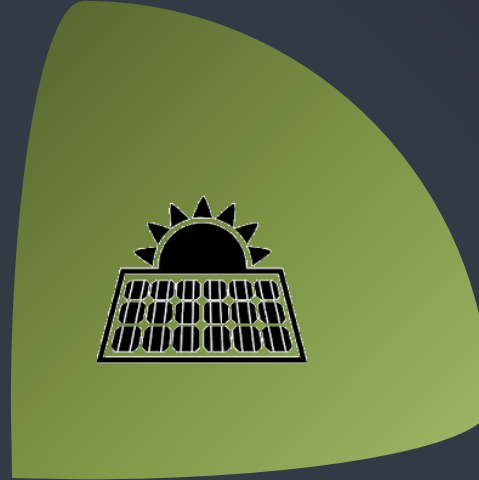
cs@atsenergi.com
anekateknosolusi@gmail.com



Business & Product Line

BUILDING AUTOMATION

HVAC
Control & Management
Monitoring



PLTS SYSTEM

On-Grid, Off-Grid, Hybrid System
Roof Top, Ground Mounted, Floating

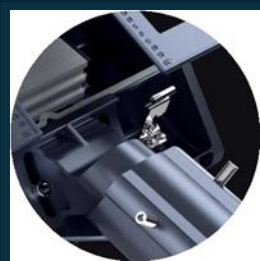
LED LIGHT

LED Street Light, Smart Street Light
PJU, PJUTS – Solar Powered
Smart System



SYSTEM COMPONENT

Solar PV, Inverters, Solar Charge Controller
LiFePO4 Cell
BESS Battery Energy Storage System
Battery Management System



Pengaturan Sudut yang Fleksibel

Dilengkapi step pengaturan tiap 5 derajat
Bisa diseting di lapangan



Performa Pencahayaan Top-class

Efisien LED's dan Lensa presisi



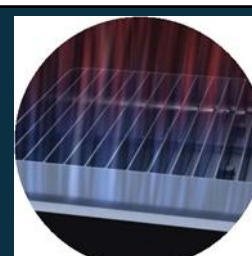
Kompatible dengan NEMA interface

Smart-ready untuk meningkatkan kapabilitas dan serbaguna



Optimal design untuk temperatur

Mempercepat pembuangan panas dengan design aliran udara melewati banyak heat sink



LED Lights

Fitur dan Manfaat

- ❖ Range 20W – 210W
- ❖ Bodi dari alumunium casting, anti karat, tahan lama dan memberi fungsi pendinginan yang bagus. Sangat mendukung untuk pemakaian dalam jangka waktu yang lama,
- ❖ Dilengkapi dengan pengatur kemiringan dengan Tingkat pengaturan tiap 5 derajat yang bisa di atur dilapangan,
- ❖ Lumen dengan efisiensi yang tinggi 160lm/W,
- ❖ Desain yang kompak, menghemat area penyimpanan dan biaya pengiriman dan instalasi,
- ❖ Desain lensa yang presisi dan memberikan hasil yang optimum, sangat membantu mendukung berbagai aplikasi/fungsi lampu.



IP66

20KV

THD<20%

Street Lights ATS-SL-Gx



Landscape Lights ATS-GL



Key Component



Solar Street Lights ATS-SSL



Sports Lights ATS-SFL



Partner

TIDE
Smart Energy Solution

FONDA TECH
Smart City Smart Lighting

LUMILEDS

OSRAM

PHILIPS

LEDiL

MOSO **INVENTRONICS**

Smart Street Lighting System



4G
Controller

PLC
Controller

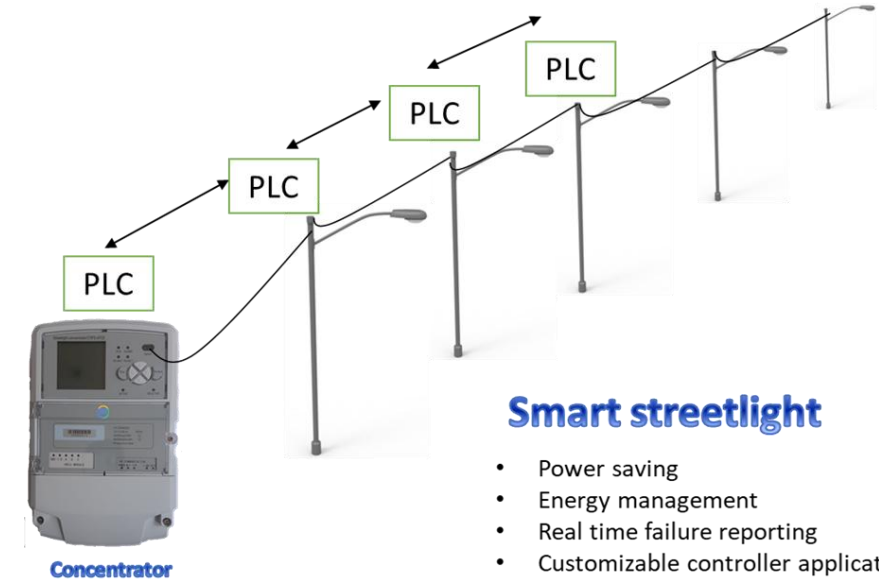
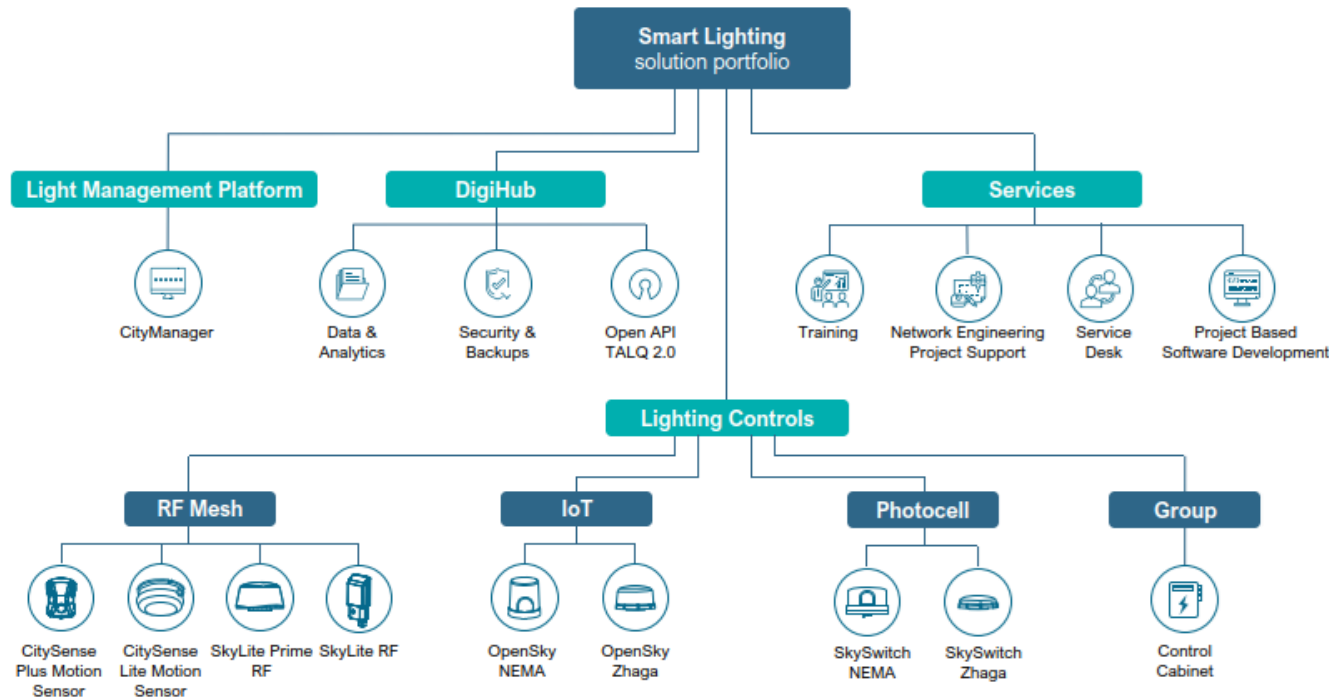
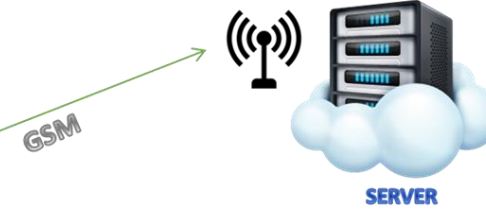
RF / LORA
Controller



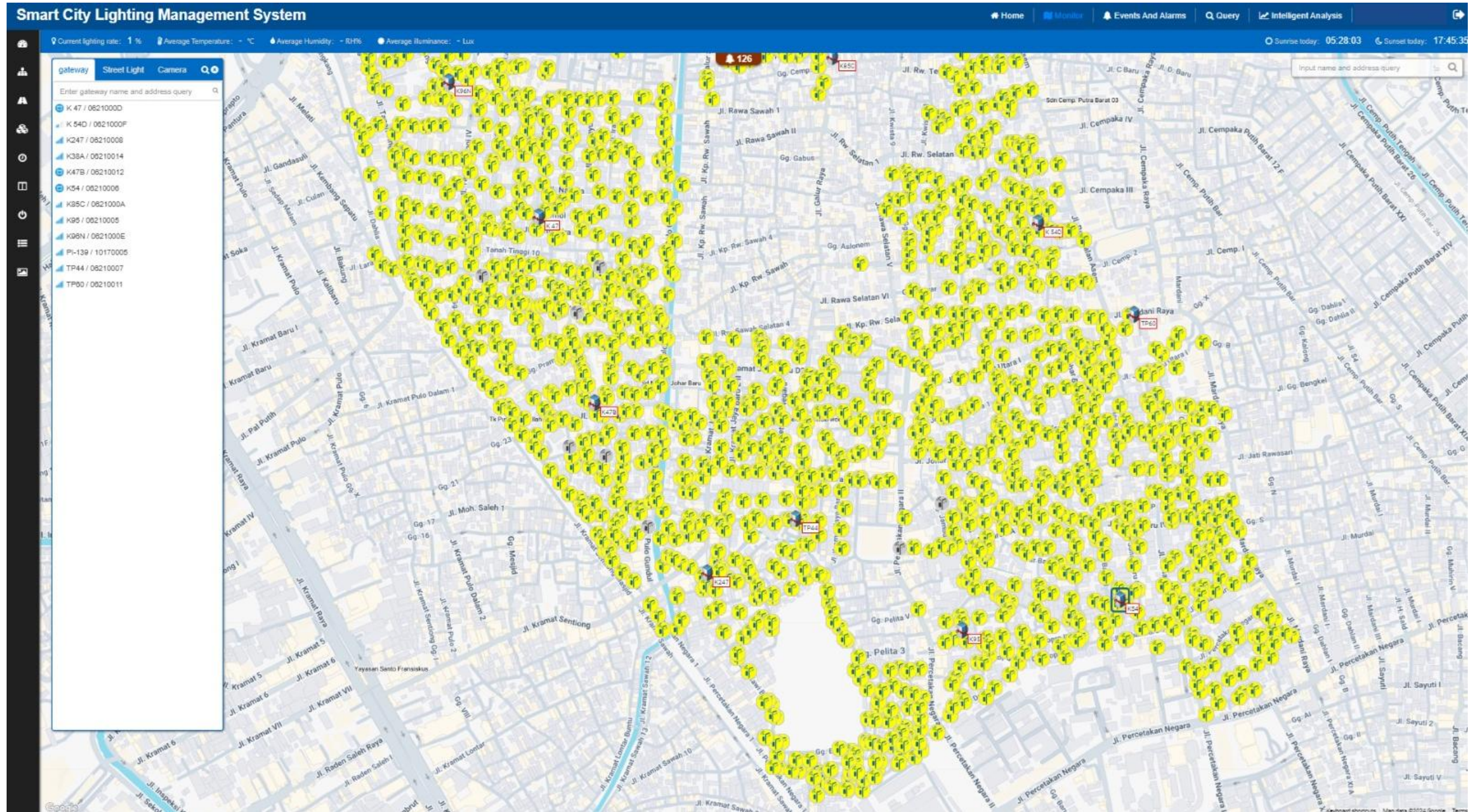
DCU
Concentrator



Gateway



Smart Street Lighting System - Map



ESS – Battery Energy Storage System

Home System



C&I ESS

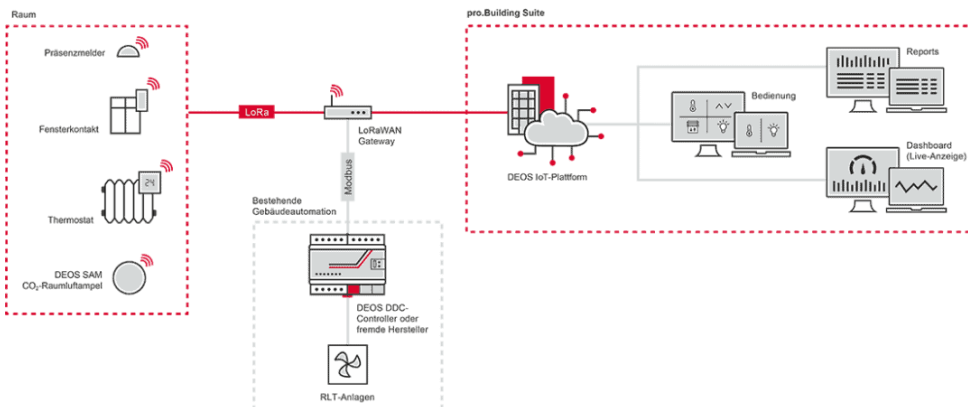
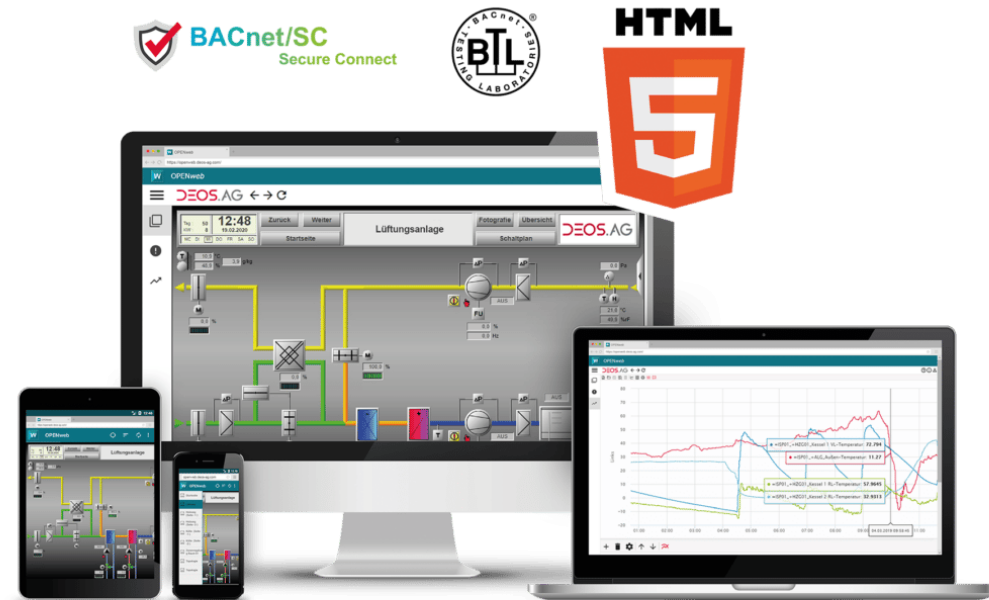


Key Component



Partner





Key Component



Partner



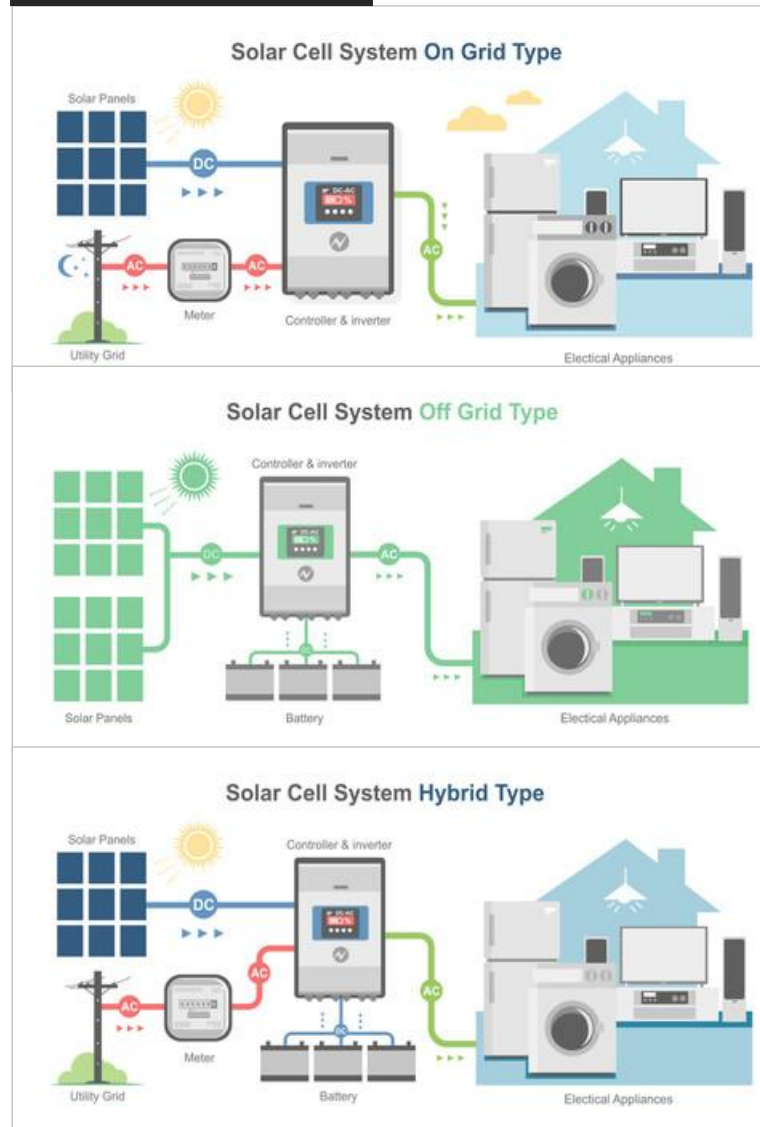
Roof Top



Ground Mount



Solar System Mode



Key Component



Partner





Version 7.3.4



PVsyst v7.3.4
VCO, Simulation date:
28/06/23 10:36
with v7.3.4

PVsyst - Simulation report

Grid-Connected System

Project: - 141 kWp

Variant: - 141 kWp

No 3D scene defined, no shadings

System power: 142 kWp

- Indonesia



PVsyst V7.3.4
VCO, Simulation date:
28/06/23 10:36
with v7.3.4

Project summary

Geographical Site	Situation	Project settings
Indonesia	Latitude: °S Longitude: °E Altitude: 66 m Time zone: UTC+7	Albedo: 0.20
Meteo data		
Meteonorm 8.1 (2016-2021), Sat=100% (Modified by user) - Synthetic		

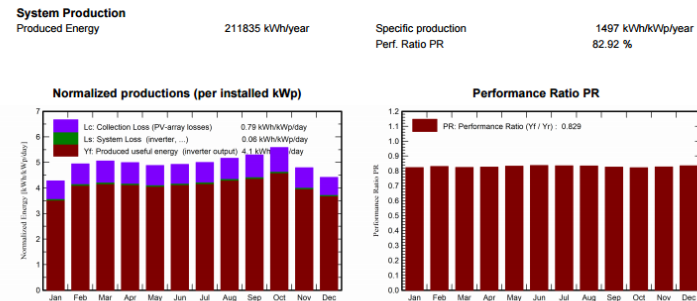
System summary

Grid-Connected System	No 3D scene defined, no shadings	User's needs
PV Field Orientation Fixed plane Tilt/Azimuth: 4 / 0 °	Near Shadings No Shadings	Unlimited load (grid)
System information PV Array Nb. of modules: 244 units Pnom total: 142 kWp	Inverters Nb. of units: 2 units Pnom total: 140 kWac Pnom ratio: 1.011	

Results summary

Produced Energy	211835 kWh/year	Specific production	1497 kWh/kWp/year	Perf. Ratio PR	82.92 %
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Main results

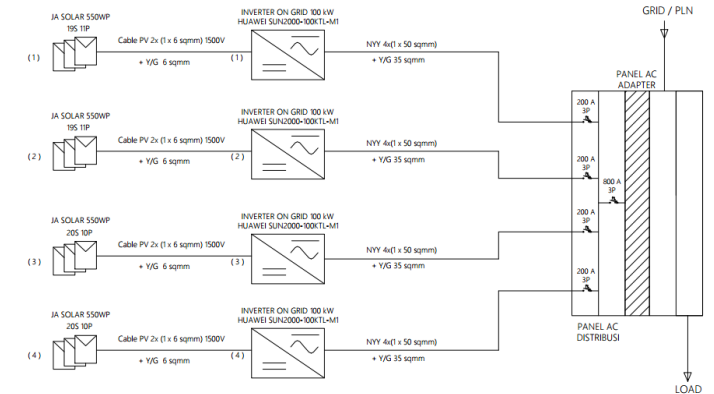


Balances and main results

	GlobHor kWh/m²	DiffHor kWh/m²	T_Amb °C	GlobInc kWh/m²	GlobEff kWh/m²	EArray kWh	E_Grid kWh	PR ratio
January	135.3	72.80	24.03	132.7	126.2	15709	15462	0.823
February	139.7	76.20	23.76	138.4	132.4	16500	16265	0.830
March	156.2	78.20	24.35	156.7	150.1	18542	18278	0.824
April	147.5	78.20	24.51	149.9	143.5	17782	17532	0.826
May	147.2	73.40	24.98	151.4	144.9	18085	17835	0.832
June	143.0	69.50	24.37	147.9	141.7	17766	17518	0.837
July	150.3	71.40	24.21	155.1	148.7	18577	18313	0.834
August	156.7	79.40	24.53	160.1	153.6	19148	18885	0.833
September	157.6	75.50	24.35	159.0	152.4	18837	18579	0.826
October	174.0	99.20	24.97	173.2	165.9	20414	20143	0.822
November	146.1	88.00	24.33	143.9	137.3	17085	16846	0.827
December	139.8	84.90	24.33	137.0	130.4	16416	16178	0.834
Year	1793.4	946.70	24.40	1805.2	1727.0	214860	211835	0.829

Legends

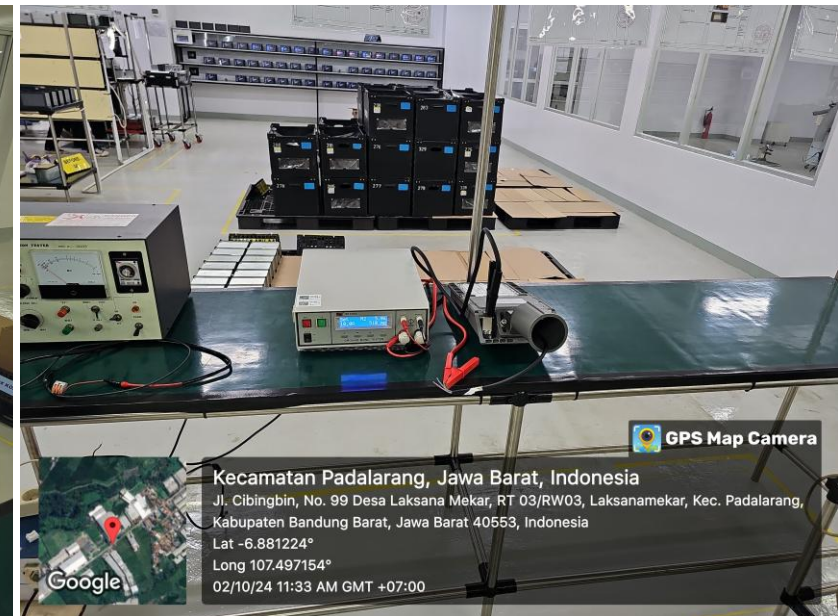
GlobHor	Global horizontal irradiation	EArray	Effective energy at the output of the array
DiffHor	Horizontal diffuse irradiation	E_Grid	Energy injected into grid
T_Amb	Ambient Temperature	PR	Performance Ratio
GlobInc	Global incident in coll. plane		
GlobEff	Effective Global, corr. for IAM and shadings		



Production and Installation

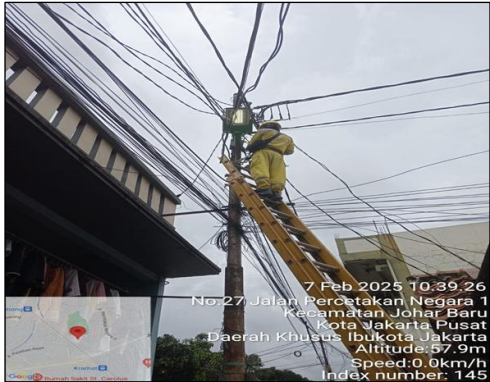
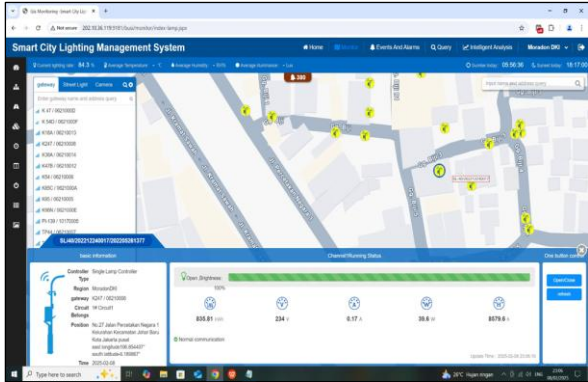
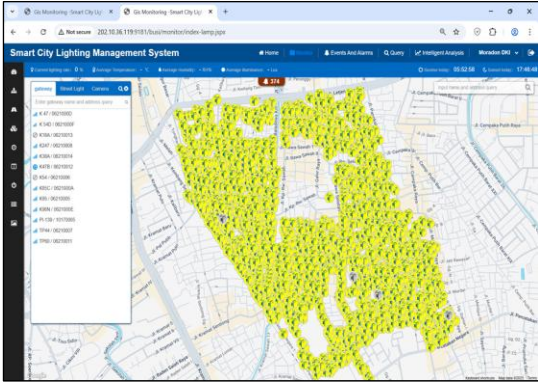


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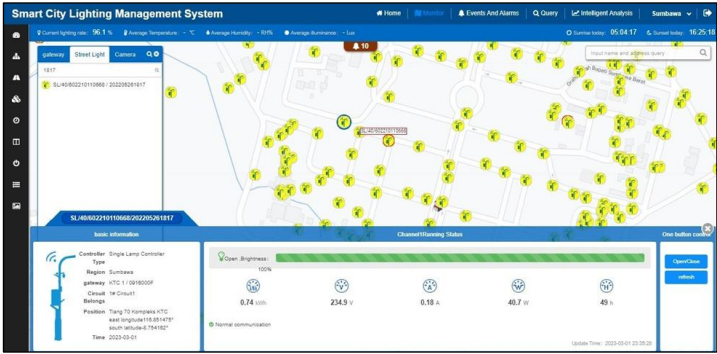


Smart Street Lighting System - Reference

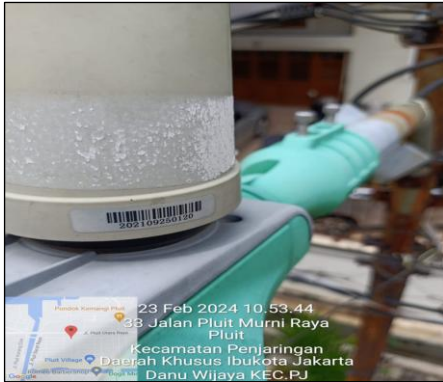
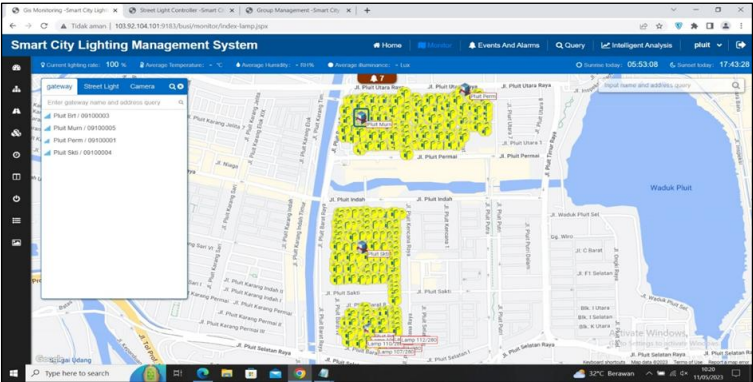
**Johar Baru
Jakarta Pusat
2022**



**Sumbawa
NTB
2022**



**Pluit
Jakarta Utara
2021**



Bandara Udara Sultan Hassanuddin



- Bandara Udara
- Makassar
- Chiller Sequencing

Green Office Park 9



- Office Building
- BSD, Tangerang
- Building Automation

International Financial Center



- Thamrin, Jakarta
- Building Automation
- Chiller Sequencing
- VAV Integration
- Power Meter

Indonesia One



- Office Tower
- Thamrin, Jakarta
- Building Automation
- Control Valve
- PIBC

RS Omni



- Hospital
- Pekayon, Bekasi
- Building Automation

Rimba Hotel



- Hotel / Resort
- Bali
- Chiller Sequencing

RS Siloam



- Hospital
- Cinere
- Operation Room

T3 Ultimate



- Airport
- Cengkareng, Tangerang
- Chiller Sequencing

Chemindo Tower



- Office Tower
- Sudirman, Jakarta
- Building Automation
- Chiller Sequencing
- Control Valve

Taman Anggrek Residence



- Retails, Residence
- Jakarta
- Building Automation

Taman Ria – Senayan Park



- Shopping Complex
- Jakarta
- Building Automation

Holiday Inn



- Hotel
- Sanur, Bali
- Building Automation

Thank You