

solaraya



**POWERING
TOMORROW**

COMPANY PROFILE



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ABOUT US

SOLARAYA (M) SDN. BHD. was founded to power Malaysia's transition toward clean, sustainable energy. Inspired by the fusion of "Solar" and "Raya" — a Malay word that reflects celebration, unity, and abundance — Solaraya represents more than energy. It symbolizes a brighter future shared by communities, powered by the sun.

Our team of engineers and renewable energy specialists is driven by precision, reliability, and long-term performance. We go beyond installation, delivering solar solutions grounded in strong engineering and system integrity.

Today, we provide complete solar energy solutions for residential, commercial, industrial, and large-scale projects, including Battery Energy Storage Systems (BESS). Through innovation, meticulous planning, and advanced technology, we build energy systems that are efficient, resilient, and ready for tomorrow.

Solaraya stands at the forefront of a cleaner future — powering progress, empowering communities, and making sustainable energy accessible for generations to come.

Powering Tomorrow.



MECHANICAL & ELECTRICAL



ELECTRICAL WORKS

POWER DISTRIBUTION SYSTEM

Our expertise in power distribution installation works encompasses the regulations compliances and implementation of reliable and efficient systems, suitable for commercial, industrial, and residential projects

REGULATORY COMPLIANCE AND LIAISON

We expertly navigate the complexities of regulatory compliance, ensuring all projects adhere to local and national electrical codes. Our team liaises effectively with TNB authorities, facilitating a smooth and efficient application process for incoming electrical supplies.

RENEWABLE ENERGY INTEGRATION

Advancing towards sustainable future, we provide solutions for integrating renewable energy sources like solar into existing electrical systems.



ELECTRICAL INSTALLATION WORKS



OUR PARTICIPATED MEP PROJECTS



Re-engineering & Replacement of Cold Water Distribution System for Menara Alpha (Block A & Block B – 676 units) • Wangsa Maju



Gleneagles Hospital Level 5 Refurbishment (MEP Engineering Design & Installation Works) • Kuala Lumpur



Sime Darby Elmina Business Park 60 Units of Twin Factories (TNB SSU, External Infrastructure, Electrical Works) • Rawang



KLK Bandar Seri Coalfields Retail Park Block E1 & E2 (External Compound Lighting & Building Electrical Works) • Sg Buloh



PJ Automall EV Car Showroom & Office Electrical Works & EVCB Installation • Petaling Jaya



Weyoung Switchgear Manufacturing Factory Electrical Works • Kulai

SOLAR SYSTEM ENGINEERING



SOLAR SYSTEMS DESIGNED FOR EVERY NEED



Solar for Residence

Rooftop solar systems for homes, designed for long-term savings and performance.



Solar for Business

Medium to large-scale commercial solar installations to reduce electricity costs and enhance sustainability.



Solar Farm

Utility-scale solar farms built and managed for large-scale power generation and investment returns.



BESS (Battery Energy Storage System)

Integration of battery storage with solar systems to optimise self-consumption, grid-independence or backup power.



EV Car-Charging Bay System

Combined solar + EV charging infrastructure for homes, businesses or public spaces, maximising green mobility.

SOLAR FOR RESIDENCE



Smart, Reliable Solar for Every Household

Harness the power of the sun and take control of your home energy with our residential solar solutions. Using Tier-1 solar panels and inverters, our systems are designed for maximum efficiency and tailored to your energy needs, roof orientation, and sunlight exposure, with full compliance for safety and reliability.



Our packages include operation and maintenance services, helping you reduce electricity bills and carbon footprint. From design and approvals to installation and ongoing support, our expert team ensures a smooth, worry-free solar experience.



Reduced Electricity Bills

Generate your own electricity and lower your monthly utility costs.



Tax Incentives & Rebates

Benefit from government programs that make solar more affordable.



Eco-Friendly Energy

Switch to clean, renewable energy and reduce your carbon footprint.



Increase Property Value

Solar-equipped homes are more attractive and valuable in Malaysia's sustainable property market.



SOLAR FOR BUSINESS



Power Your Business with Sustainable Energy

Reduce your business energy costs with our commercial solar solutions, using Tier-1 panels and inverters tailored to your building's energy needs and sunlight exposure. Installed with full compliance and professional oversight, our systems deliver reliable performance and long-term efficiency.



By choosing solar, you take a giant step toward lowering your carbon footprint while enjoying significant long-term savings. Our packages include operation and maintenance services, with expert support from design and approvals to installation and ongoing care.



Slash Electricity Bills

Cut reliance on the grid and save on energy costs with custom solar solutions.



Enhanced Reputation

Show your commitment to sustainability and attract eco-conscious customers, partners, and investors.



Tax Incentives & Rebates

Benefit from government programs that make commercial solar more affordable.



Energy Independence

Generate power on-site to reduce exposure to price fluctuations and power outages.

SOLAR FARM



Reliable Solar Farms for Maximum Impact

As a leading solar provider, we deliver advanced solar farm solutions that help businesses and investors harness the power of the sun for a cleaner, greener future. Our systems use Tier-1 panels and inverters, professional installation, and full regulatory compliance for long-term reliability and safety.

Solar farms reduce carbon emissions and provide a consistent, renewable source of electricity, making them ideal for large-scale energy projects in Malaysia's sunny climate. They offer both environmental and economic benefits, supporting sustainable growth for businesses and communities alike.



Planning & Design

Assessing your site and creating custom solar farm solutions for maximum energy and efficiency.



Installation

Professional installation for seamless integration and optimal performance.



Monitoring & Maintenance

Ongoing monitoring and maintenance to ensure peak performance and long-term sustainability.



Advantages

- ✓ Reduced Energy Costs
- ✓ Sustainable Leadership
- ✓ Long-Term Returns

BESS (Battery Energy Storage System)



Reliable Energy Storage for Maximum Efficiency

We believe in sustainable energy solutions that power your present and secure your future. Our Battery Energy Storage System (BESS) stores excess energy from your solar panels, giving you control, reliability, and efficiency.



By intelligently managing energy flow, BESS ensures a consistent power supply day or night, reduces reliance on the grid, and maximizes your solar investment. Gain energy independence, long-term savings, and a greener future with our advanced storage solutions.



Cost Savings

Lower electricity bills by optimizing energy usage with BESS.



Reliability

Ensure uninterrupted power during outages with a dependable storage system.



Environmental Impact

Reduce your carbon footprint with clean, sustainable energy storage.

ENGINEERING & SYSTEM OUTLINE



EV Car Charging Bay System



Smart Charging Infrastructure for a Greener Future

Our EV Car Charging Bay System is designed to support the growing demand for electric mobility with fast, efficient, and safe charging. Built for commercial, industrial, and public environments, our system ensures reliable performance, smart load management, and scalable installation as your EV needs expand over time.



By integrating EV charging into your facility, you enhance user convenience, increase asset value, and showcase your commitment to sustainability. This future-ready solution enables businesses to attract EV drivers, minimize carbon emissions, and contribute to a cleaner transportation ecosystem.



“ With over 160+ EV charging bays/stations successfully commissioned under our handling - we ensure efficient regulatory procedures for your project. ”



OUR SERVICE FRAMEWORK

1

Design & Engineering

We design a customized solar system that fits your energy needs and site conditions, ensuring maximum efficiency and performance.

2

Application & Submission

Our certified professionals handle all applications and approvals with SEDA and relevant authorities for both Grid-Connected and Off-Grid systems.

3

Procurement

We supply trusted, high-quality Tier 1 solar panels, inverters, wiring, and components sourced from reliable manufacturers.

4

Construction & Installation

Our skilled team installs the full solar system with proper wiring, solid connections, and compliance to strict safety standards.

5

Commissioning & Handover

We thoroughly test the system, verify performance, and manage all endorsement submissions to TNB and SEDA before final handover.

6

Operations & Maintenance

We provide regular cleaning, system monitoring, and preventive maintenance to ensure continuous reliability and long-term energy savings.

OUR SOLAR PACKAGES



**Tier -1
Solar Panels &
Inverters**



**3-Years Full
Scale
Operation &
Maintenance**



**Full-Compliance
to Bomba
Guidelines
2024**



**2-Years DLP
Workmanship
Warranty**



**6-Hours
Response Time
for all O&M
Issues**

(Klang Valley & Johor sites Only)



Value added services

EV CHARGING BAY OR STATION EPCC SERVICES

End-to-End EVCB or EVCS Solutions

Seamlessly integrating engineering excellence with regulatory expertise for future-ready EV infrastructure



AUTHORITIES SUBMISSION MANAGEMENT

- Pre-construction authority submission (PBT, TNB, BOMBA)
- Special permitting handling (road closure/excavation, utility body)
- Single-point responsibility for documentation & fee payments



TESTING & COMMISSIONING

- Electrical inspection: Earth fault detection, insulation resistance testing
- Charger functionality validation
- TNB meter installation & grid synchronization
- CCC & ST Borang F certification



PROCUREMENT & INSTALLATION

- Sourcing of Tier-1 charging equipment
- Civil works: Cable trenching, bay structural setup
- Electrical works: HV/LV distribution, earthing & surge protection



OPERATIONS SUPPORTING

- Remote monitoring systems integration
- Preventive maintenance programs
- Technical response
- Energy usage analytics reporting

OUR PARTICIPATED EVCS PROJECTS

Client/CPO	Representative Locations
EV Connection Sdn Bhd No. of Projects: 46	Petronas stations, KL Convention Centre, Midvalley Megamall
Chargesini Sdn Bhd No. of Projects: 23	Lotus stores, Pasar Bayan Baru, Lebu Union George Town
Carput Zap Sdn Bhd No. of Projects: 20	Avenue K, Ceriaan Kiara, Hilton Garden Inn, IOI Mall Damansara
Gentari Green Mobility No. of Projects: 13	KPJ Hospitals, Perodua Factory Serendah, Camuda Cove
VSD Automation Sdn Bhd No. of Projects: 6	Terminal Larkin, Hilton KL, Ikea Batu Kawan
Titian Kencana Sdn Bhd No. of Projects: 5	Ambank Raja Chulan, Wisma AmFirst, Gas Malaysia Shah Alam
JusEV Sdn Bhd No. of Projects: 3	Plaza 33 Petaling Jaya, Skywork Gallery Setapak
Carput Tech Sdn Bhd No. of Projects: 2	BYD Taiping, Ambank Kota Bharu
Others (Single Projects) No. of Projects: 4	Tenaga Switchgear (Dua Sentral), Parkeasy/Shell (Pavilion Heights)

OUR PARTICIPATED SOLAR PROJECTS



Location: Subang, Selangor
System Size: 210.15kWp



Location: Sendayan, Negeri Sembilan
System Size: 112.84kWp



Location: Kajang, Selangor
System Size: 40.04kWp



Location: Serdang, Selangor
System Size: 84.16kWp



Location: Klang, Selangor
System Size: 190.92KWp



Location: Klang, Selangor
System Size: 18.87kWp

OUR PARTICIPATED RESIDENTIAL SOLAR PROJECTS

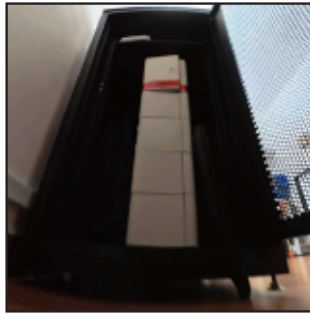


Johor - Melaka - Selangor - Kuala Lumpur - Perak

OUR PARTICIPATED SOLAR PROJECTS

Project	Representative Locations
Grid-Tied Solar PV System 7.02kWp	Seri Kembangan, Selangor
Grid-Tied Inverter Installation 12kWac	Dengkil, Selangor
Grid Tied Solar PV System 7.02kWp	Dengkil, Selangor
Grid-Tied Solar PV System 1.5MWp	Jalan Duta, Kuala Lumpur
Grid-Tied Inverter Installation 100kWac	Puncak Alam, Selangor
Grid-Tied Solar PV System 7.02kWp	Setia Alam, Selangor
Grid-Tied Solar PV System 134.0kWp	Sungai Buloh, Selangor

OUR PARTICIPATED BESS PROJECTS



Hybrid Bess Systems @ Cyberjaya & Shah Alam

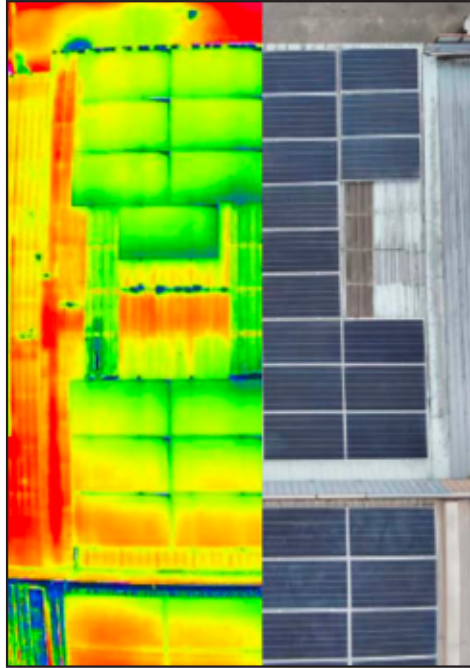


Solar Off-grid System @ Gerbang Nusajaya, Johor

OUR SOLAR O&M



Roof Condition Assessment



Thermal Drone Scanning



Solar PV Modules Cleaning



Electrical Testing



Get in Touch

*We're Here To Support
Your Next Project*



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