Solar Data Systems

Brands & Benefits

Solar solutions for monitoring, visualization, evaluation, troubleshooting & control

Solar Monitoring as a Service

"When we focus on the competition, we become reactive. When we focus on improving ourselves, we become innovative." — Simon Sinek

We believe one company can supply all the comprehensive monitoring solutions to complex solar plant issues through the innovative integration of its product portfolio, service offerings, customer support and industry connections.

Solar Data Systems is that company.

Solar Data Systems — Solar Monitoring as a Service (SolarMaaS)

Solar-Log | emazys | solarfox SOLAR DISPLAY SYSTEMS

ArrayMeter | KITU SYSTEMS | PVSENTRY Solar Asset Manager | iPLON
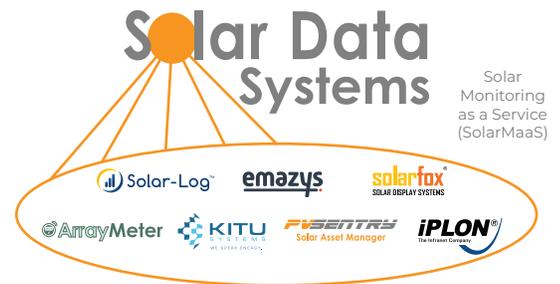
5 Major Reasons Why You Should Choose Us

- We believe all PV plant owners, installers, developers, O&M providers and investors should have a singular, competent, and experienced source for solar monitoring, visualization, evaluation, troubleshooting, and control.
- We're the trusted and consistent partner for your long-term PV investment, as solar isn't maintenance-free.
- We strive to be THE premier SolarMaaS Solutions Supplier and Service Partner in The Americas.
- We believe in our customers' investments, so we provide professional and top-notch services and support.
- We know our customers' PV issues are unique, so we provide practical, cost-effective, reliable, and qualified solutions.

Benefits of SolarMaaS

- Assess construction
- Visualize plant data
- Ensure PV system health
- Detect performance issues
- Troubleshoot malfunctions quickly
- Lower back-end O&M costs
- Showcase solar power
- Reduce financial impact of malfunctions

Brands & Benefits

Solar -Log®
Performance Monitoring, Control & Energy Management

- One Fleet One Login: unmatched compatibility with numerous components means a single software view for your entire solar fleet (Residential, C&I).
- Hardware-agnostic approach protects solar fleets against outdated monitoring systems, also offering reduced back-end, onboarding and training costs with a single software view.
- Mature, well-established, reliable and further evolving system with over 390,000 installations in more than 140 countries worldwide.
- Much more than just monitoring: RGM, Performance Monitoring, Feed-in Management, Surplus Management, Optimization of Self-Consumption, Incentive Reporting and other proactive services.
- Intuitive WEB portal and mobile app (Android and iOS).

emazys
Solar Plant Troubleshooting

- A multi-function analyzer for testing PLUS fault finding and military-grade components.
- Super-fast verification of overall PV system health.
- Detect potential failures in less than 5 minutes.
- PID/TID estimates WITHOUT dismantling modules.
- Impedance testing works well even under low irradiance; means no need for several site visits, saving time and money.

Solarfox®
Solar Display Systems

- Perfect and eye-catching for showcasing sustainable stories to visitors and customers.
- Displays can be connected to almost any PV system and easily managed via the Internet, independent of solar system location.
- Displays can be tailored with displaying energy data and also function as innovative bulletin boards.
- Visualize multiple installations, even different energy systems like wind turbines.
- Hardware-agnostic, working with inverters and data loggers or monitoring solutions from different vendors.

ArrayMeter
Revenue-Grade Metering

- Revenue-grade accuracy provides reliable data for billing and forecasting.
- ANSI certification ensures that readings meet or exceed SREC or PPA requirements.
- Installation and setup can be completed on the mobile app in less than 10 minutes.
- Plug & play design including integrated LTE modem.
- Split-phase and three-phase versions available. Multiple year options for automatic performance-based incentive reporting.

Brands & Benefits

Kitu Systems
COT Customer-Owned Telemetry - RSG Remote Secure Gateway

- Pre-assembled, cellular, all-weather, energy monitoring hardware.
- Setup fulfills regulatory requirements for telemetry of solar plants; approved solution for Interconnection in PG&E territory (DER under Rule 21).
- Kitu is THE supplier of the only complete end-to-end IEEE 2030.5 certified solution.
- Kitu is THE leader in DER and EV Management.
- The Remote Secure Gateway from Solar Data Systems/Kitu is the best combination of hardware, software, support and services for a long-term investment.

iPLON
IoT SCADA & Power Control (Microgrid Solutions)

- O&M Monitoring and Power Control for Utility and Large Scale segment.
- Smart IoT customizable solutions with local SCADA - flexible to operate assets with cloud-based analytics.
- Rooftop and micro-grid solutions - platform for load, demand and supply side management with power control and self-consumption analysis.
- Grid Stability Solutions (Power Control - Hybrid System).
- iPLON products help improve solar power systems across the field, automation and management levels, enabling optimal performance and yield.
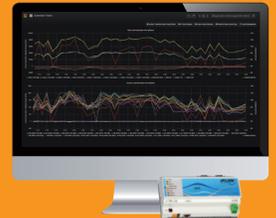
## PVSentry
Solar Asset Manager

- Value-added services for solar plants to be continuously monitored with all available data.
- Hardware-agnostic application and service, working with almost every manufacturer component (hardware or Cloud2Cloud).
- Additional teammate to reduce operating expenses, to save resources and to proactively & constantly monitor your solar portfolio.
- Maximizing performance with constant optimizations; flexible package options (daily/weekly/monthly/annual/24-7).
- Protect your PV investment, prevent future headaches, and get peace of mind.

Solutions Supplier & Service Provider

Not all solar plant issues are the same, and neither are the solutions. Accurate data and proper collection are essential to long-term optimal performance, and are necessary to deliver actionable information. Installation, application, evaluation and maintenance of solar plants can be overwhelming. Also, solar isn't maintenance-free. Performance issues stem from many areas within a solar array, and can have a serious economic impact.

With over a decade of experience in the ever-evolving solar energy industry, Solar Data Systems has cultivated our connections with manufacturers, engineers and thought leaders into a network of invaluable resources for our customers. That's why we developed our business model around Solar Monitoring as a Service (SolarMaaS).

We clearly understand our customers' requirements, so our mission is to provide you with the most comprehensive collection of tools, services and support for solar monitoring, visualization, evaluation, troubleshooting and control.
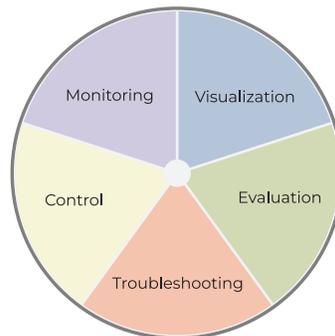
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- One number to call for products, services and support
- Professional and reliable customer support
- Established and proven products for residential, commercial & industrial, large-scale and utility systems