



INVERTER-LEVEL



CUSTOMIZED FRONT-END DISPLAY



**NEW
ADVERTISING
SLIDE SHOW**

INFO SLIDE SHOW

13 YEARS EXPERIENCE | 20+ MW BEING MONITORED | 400+ SYSTEMS

- Real-time Monitoring
- Unlimited Clients & Systems
- Customized Client Displays
- Custom Branding & Advertising
- 24/7 Portal Access
- Daily/Weekly/Monthly Reports
- Inverter-Level Alerts
- System Alert Notifications
- Added Revenue
- Mobile-Device Compatible
- 3D Site Rendering
- Solar Education Video
- Environmental Offsets
- System Specs and Photos
- And Much More...



24/7/365 Access

Your secure, cloud-based portal can be accessed from anywhere in the world. You and your clients can monitor, troubleshoot, edit displays, add new systems and more, from any device connected to the Internet. Total system management is in your hands.

Custom Branding

From your portal to the displays, the colors and logos are all in your control and can brand your company or your client's company. Whether it's a touch-screen or mobile device, let everyone know that this monitoring system is Powered By YOU!

Added Revenue

When you add monitoring to your arsenal of services, you not only generate new revenue, but you provide a new service that keeps you connected to your customers for up-selling, future business and referral programs. You increase your business opportunities.



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www.DataMonitoringSolutions.com

Data Monitoring Solutions, LLC

8290 Roberts Drive

White Lake, MI 48383

At DMS, we are committed to long-lasting relationships and partnerships with leaders in the solar industry. We are constantly ensuring that our monitoring systems are the best by increasing efficiency, usability and profitability for our clients and partners. DMS remains on the cutting edge by continuously adding requested features and integrating with the latest technologies. Best of all, our system is so customizable and brandable that you can seamlessly integrate it with your own business model and product catalog.

REAL-TIME ENERGY MONITORING...

Most energy installations require monitoring, and no other system offers the elegance, ease and revenue potential of DMS. With customizable colors, branding, gauges, installation rendering, and environmental offset displays, users get a view of the entire system and its performance while your company makes branding statements. Great for lobbies and public areas as an expression of environmental success. Start by offering monitoring as a service or product, and begin leveraging it for closing sales, account penetration, up-selling and much more.



YOU ARE IN CONTROL...

The online custom dashboard and control center is available 24/7. Real-time monitoring gives you access to each installation down to the inverter level. Automated standard and custom alert emails make it easy to identify problems quickly and manage large numbers of systems at once. Full historical data archival with hourly, daily, weekly and monthly outputs and error summaries make our reporting second to none. Adding new clients has never been easier. With DMS you can be more responsive to client issues and requests with a minimum of effort and resources.



ADVERTISING/INFO SLIDESHOW...

Each system is also equipped with a full-screen slide show that can be turned on and off at any time to display advertising, promotions, message board, system photos or whatever you want to display. You upload the images, and set the desired start delay along with each slide's duration and an optional website link for the user to click. While a monitor is displaying the energy stats, it will automatically start the slide show when the screen is dormant for your set delay and returns to the system statistics after the last slide. This is a powerful tool for you and your clients.



INDUSTRY COMPATIBLE...

Our interface is easily connected to many existing solar power systems through the data logger, plus you can easily retrofit existing installations.. Take the tangible benefits of solar energy and turn them into real winning strategies for greener business practices and cost-containment mandates. Let YOUR new Data Monitoring Program tell the story for your clients — all day, every day — and add another revenue stream for your business in the process.



WHAT YOU GET, IS NOT ALWAYS WHAT YOU SHOULD SEE.

INTELLIGENT DATA TECHNOLOGY™

iData Technology™ (iDT) is the brains behind every DMS Solar Monitoring System. Unlike most other solar monitoring companies that just directly report the logger or inverter output, iDT is a series of proprietary algorithms that analyzes that data and many other data points to report a more realistic assessment of the true health of each solar energy system. This improves the error reporting process by more than 90%, so that you're not wasting valuable time troubleshooting healthy systems.

For example, if a solar energy system is installed in an area that is experiencing heavy clouds and rainfall, the data logger may report a zero output during the day, which would usually trigger an error alert. Although the system may show no power, iDT analyzes the previous health of the system, current weather conditions and multiple other data points to determine if this is truly a critical issue. It then presents those results and, if necessary, automatically sends alert notifications to the system manager. Meanwhile, other accurate interval-level records of all logger data is still stored and can be accessed, compared and reported upon at any time.

CALL NOW TO
SCHEDULE A
DEMO PRESENTATION



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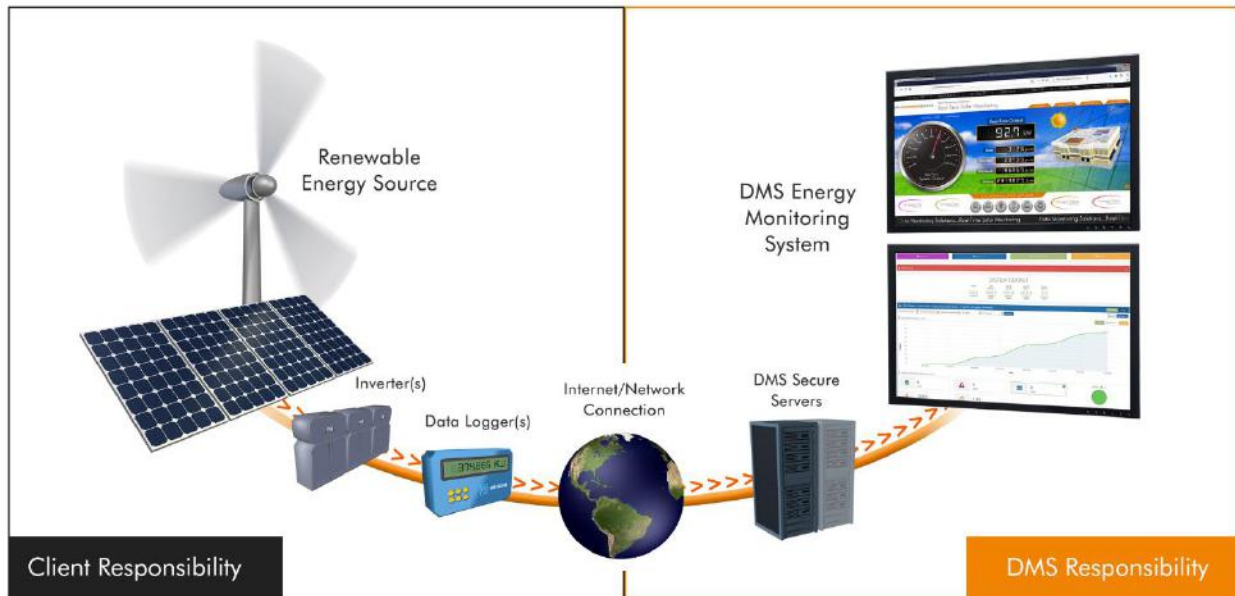
DATAMONITORINGSOLUTIONS™

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Data Connection Overview

The DMS monitoring system requires an on-site data device that can connect to the Internet and supports File Transfer Protocol (FTP) uploading of data. This device is commonly referred to as a 'data logger.'

Some inverters come equipped with an on-board logger and network card; others will require a third-party data logger be installed. Most data loggers support multiple inverters at one time.



The logger is responsible for acquiring and locally storing the various power levels and status conditions. It is also connected to the site's Local Area Network (LAN), and then every 15 minutes it summarizes the data for the most-recent interval and uploads a 'batch' to the DMS data server. This data batch is then processed by the DMS and integrated with the site's historical data for presentation by the DMS display. Since FTP is outbound only, the security and integrity of the site's network is protected.

*Please contact DMS to ensure compatibility prior to ordering any logger equipment.



Data Monitoring Solutions Responsibility Flow Chart

Client (CL) Primary Responsibilities			
Primary Activity	Description	Primary	Assist
Client system layout, design, installation	Work with integrator or customer to determine the best Client system solution. Contract with vendors for all installation and operational needs.	CL	DMS
System integration with existing solar devices	Work with previous solar integrator to connect the new Client system with an existing solar product.	CL	
Data logger acquisition, installation, configuration and testing	Work with inverter company or 3 rd party logger provider to install and activate the data logging solution.	CL	DMS
Communication network interface and installation	Coordinate all hardware, cabling, routers and wired/wireless/cellular Internet access to achieve the required data monitoring connectivity.	CL	DMS
Existing Logger Interface	Work with previous solar integrator to connect an existing data logger to the new data monitoring system which must also be system compatible.	CL	DMS
On-site Monitor Hardware	Determine type of display (LCD/touch-screen/plasma/etc.), size, location and installation.	CL	
Alert response	Respond to all client error alerts generated from the data monitoring system customizable alert function.	CL	DMS
Dataset send	All data integrity through the point of uploading data to DMS in an accepted format.	CL	

Date Monitoring Solutions (DMS) Primary Responsibilities			
Primary Activity	Description	Primary	Assist
Data monitoring display interface presentation	Custom design and implement the data monitoring system	DMS	CL
Back-office administrative control center	Implement a management interface for client record control and organization, adding new monitors, setting up demo monitors.	DMS	
Data management	Store, maintain and archive all received client data.	DMS	
Reporting	Admin/client level access to generate historical data reports.	DMS	
Alerts	Identify and develop alert criteria and send error notifications to CL to address the alert issues.	DMS	CL
Data monitor system maintenance	Maintain all system performance, data archiving, database integrity and login/password security.	DMS	

