



RENEWABLE ENERGY SYSTEM MONITORING FOR PPA SERVICE PROVIDERS: MAXIMIZE YOUR ROI ON POWER PURCHASE AGREEMENTS

Fat Spaniel Insight Manager™
Critical Information Services for Renewable Energy

AGGREGATE PRODUCTION OF ALL SYSTEMS

Right Now	40 kW/ Month	5,927 kWh	CO2	Coming Soon
Today	119 kWh/ Year	54.67 MWh	NO _x	Coming Soon
Week	1,350 kWh/ LifeTime	62.54 MWh	SO _x	Coming Soon

GREENHOUSE GASES AVOIDED

Site: Solaris Network

View Events

Duration	Device ID	Event	Event Begin	Event End	Notification	Ack.
0d, 0h, 15m	Inverter_001_	INVOFF	2007-10-08 8:13AM PDT	2007-10-08 8:28AM PDT	2007-10-08 8:28AM PDT	
0d, 0h, 15m	Inverter_001_	INVOFF	2007-10-08 8:13AM PDT	2007-10-08 8:28AM PDT	2007-10-08 8:28AM PDT	
0d, 0h, 15m	Inverter_001_	INVOFF				
0d, 0h, 15m	Inverter_001_	INVOFF				
0d, 0h, 15m	Inverter_001_	INVOFF				
0d, 0h, 15m	Inverter_001_	INVOFF				
0d, 0h, 15m	Inverter_001_	INVOFF	2007-09-29 6:08AM PDT	2007-09-29 8:23AM PDT	2007-09-29 8:23AM PDT	
0d, 0h, 15m	Inverter_001_	INVOFF	2007-09-29 6:53AM PDT	2007-09-29 7:08AM PDT	2007-09-29 7:08AM PDT	
0d, 0h, 15m	Inverter_001_	INVOFF	2007-09-22 9:22AM PDT	2007-09-22 9:37AM PDT	2007-09-22 9:37AM PDT	

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View all systems with the Fat Spaniel Insight Manager™, which enables managing all your customer sites through a single portal. The event management module generates alerts and logs system faults, so you can quickly diagnose and fix the problem — ensuring every site is producing energy at its optimal capacity.

Renewable Energy Monitoring Services

As a PPA service provider, you build, manage, and maintain renewable energy systems that enable commercial and industrial companies, government agencies, and non-profits to 'go green' with no upfront capital costs, through power purchase agreements (PPAs). To maximize your return on investment and reduce risk to cash flow, you need the highest quality monitoring services that can deliver accurate reporting and billing data, ease system management, and lower operation and maintenance costs. You can rely on Fat Spaniel Technologies, the market leader in providing remote monitoring solutions for timely, accurate, and verifiable energy system performance data.

Increase Operations and Maintenance Efficiency

Fat Spaniel's comprehensive diagnostic and maintenance services help you efficiently manage your assets. You can set up alerts as early-warning systems to let you proactively respond to outage or performance degradation issues. Fat Spaniel Insight Manager™, a Web-based portal for managing multiple customer sites, provides an at-a-glance overview of all your sites, shows their health status, offers a detailed event log including decoded inverter faults to simplify problem diagnosis, and stores asset information. These powerful capabilities help increase system output and minimize support costs, improving customer satisfaction and boosting cash flow.

Critical Monitoring and Reporting Services for Renewable Energy Systems

Benefits

- Accurately measure and bill for energy generated
- Ensure RECs are recorded, verified and reported
- Gain additional revenue from performance-based incentives (PBI)
- Remotely monitor, manage, and diagnose systems for maximum production
- Proactively respond to fault and maintenance issues through automatic alerts
- Perform remote diagnostics, updates, and resets for optimized performance and reduced support costs
- Use web-based views to showcase success stories
- Educate customers through dynamic views of systems
- Improve your ability to secure project financing

For more information, please contact your installer or visit www.fatspaniel.com

Our sales and technical specialists will also be glad to help you at sales@fatspaniel.com or call 1.408.279.5262

Fat Spaniel Insight Manager™
Critical Information Services for Renewable Energy

Welcome: SOLAR POWER DEMO | LOGOUT

Sites: [List](#)

Quick Links by Site Name: 0A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

Status	Name	Location	System Size	Feed	Data Report
●	Bay System Petroleum	Atascadero, CA 93422 US	34.32 kW		
●	Bechman Electronic	Goleta, CA 93117 US	34.32 kW		
●	Bosh Lighting	Madera, CA 93637 US	116.0 kW		
●	Brannan Residence	Pasadena, CA 91101 US	11.2 kW		
●	Carlson Residence	Malibu, CA 90263 US	9.8 kW		
●	Dawson Residence	Palo Alto, CA 94305 US	24.0 kW		
●	Freeman Community Housing	Morgan Hill, CA 95037 US	12.5 kW		
●	Hardie Market	Fort Bragg, CA 95437 US	25.0 kW		
●	Howard's Hardware Store	Paso Robles, CA 93446 US	17.0 kW		
●	Marvin-Stevenson Building	San Luis Obispo, CA 93401 US	136.76 kW		
●	Nicholas Residence	Santa Barbara, CA 93103 US	51.88 kW		

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Get an overview of your system's health by checking on their status. A "Green" status means that your system's operation is normal. "Gray" means no event has been triggered and the status is unknown, and "Red" means there is a system performance issue.

Trusted Performance Data

As a trusted, independent, third-party provider of monitoring and reporting services, Fat Spaniel enables PPA service providers to increase the return on their PPAs by delivering the critical data needed for billing, Renewable Energy Certificates (RECs), Performance-based Incentive (PBI) reports and service-level agreement (SLA) tracking. Fat Spaniel offers reporting that is based on highly accurate performance and usage data that is captured and then stored at a robust SAS-70 certified data center. This data can be provided in the form of reports, data downloads and XML data feeds that can be directly integrated into applications such as your billing system.

More Effective Marketing and Education

Fat Spaniel's Web views enable customers, investors or even the general public to more readily see what's going on with the renewable energy systems you're managing. These graphical views make it easy to understand how much energy is produced and consumed, whether energy is being imported or exported to the grid, and what greenhouse gas emissions are being avoided as a result. Custom views can also be produced for your enterprise or government customers who want to showcase their renewable energy systems for marketing or educational purposes – a key benefit beyond the purely economic impact of generating renewable energy.

Contact Fat Spaniel today to find out how we can help you more proactively support solar electric systems.

Basic Renewable Energy Monitoring Includes:

- 24x7 Internet-enabled monitoring service
- Web-based views showing how your solar electric system is working
- Automatic calculation of reduction in greenhouse gas emissions
- Automatic fault alerts via email or SMS
- Online storage of your data and system information, hosted at Fat Spaniel's data center
- Revenue-grade metering and reporting for Performance-Based Incentives (from programs such as the California Solar Initiative) or Renewable Energy Credits (REC)

Optional Features:

- XML data feeds for billing
- Basic Weather Station for measuring irradiance, air temperature and solar module temperature
- Full Weather Station including the above plus wind speed and direction
- Energy demand measurement
- Internet broadband, cell modem or satellite-based communications
- Insight Manager™: a multi-site management portal with access to all of your customers' sites and data including aggregate data

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