

Press Information - Intersolar Europe 2019

SDS launches new Energy Management System

Solar-Log Base & Solar-Log WEB Enerest™ 4.0

Geislingen-Binsdorf, 8. April 2019 – Solare Datensysteme GmbH will be presenting the new Solar-Log Base energy management system at Intersolar 2019. The next Solar-Log™ generation combines smart functionality with greater flexibility for more efficient control, management and monitoring of PV plants – professional energy management at its best.

The modularly designed hardware and new online portal, Solar-Log WEB Enerest™ 4.0, provide a powerful overall package. Numerous advanced features are available, including self-learning detection of plant errors. These features save the plant operator significant time and money by simplifying the monitoring process and leading to prompt issue resolution.

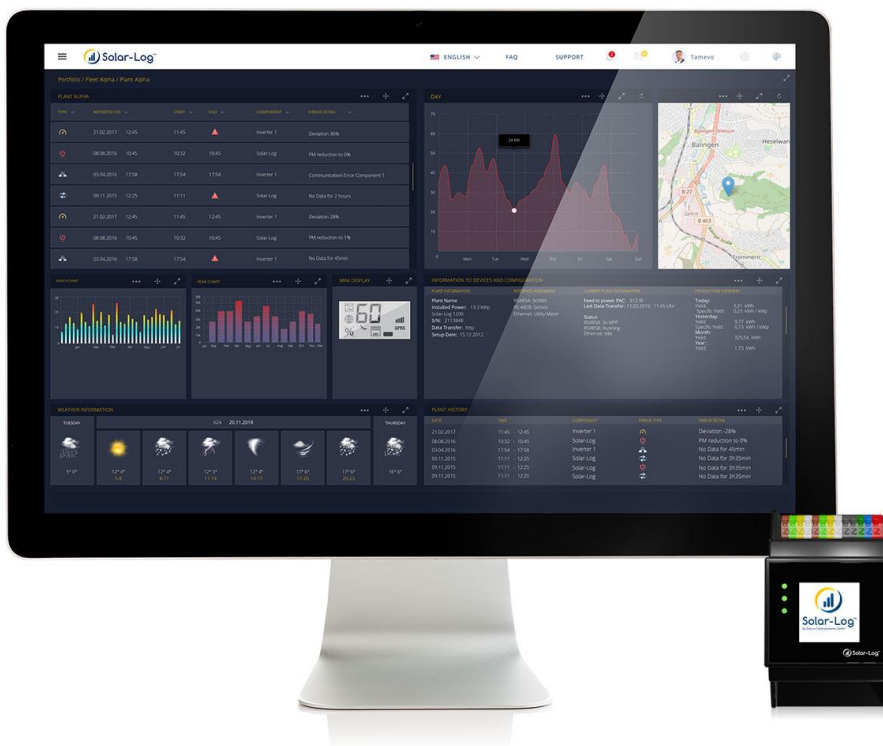
"The new Solar-Log Base and Solar-Log WEB Enerest™ 4.0 technology combines the long-lasting expertise of a market leader with the visions of a market expert. When developing the new Solar-Log™, we focused on the end-user. The aim was to develop a product that would open up new ways of managing PV energy. The Solar-Log Base and Solar-Log WEB Enerest™ 4.0 not only optimize the operational procedures and facilitate quicker error diagnosis, they also offer tailor-made functions for individual requirements," explains Dr. Frank Schlichting, CEO Solare Datensysteme GmbH.

Solar-Log Base & Solar-Log WEB Enerest™ 4.0 – our most powerful PV energy management system ever

Solar-Log™, the energy management system of Solare Datensysteme GmbH, covers all market segments and is a core element for smart energy, feed-in management and PV monitoring. The Solar-Log Base combines proven features with new functionality and ensures effective energy management. The new series consists of the Solar-Log Base 15, Solar-Log Base 100 and Solar-Log Base 2000 models that can be expanded with the "Mod I/O" and "Mod 485" modules, according to the particular requirements. The hardware

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includes VPN functionality that saves time and money when using direct marketing. Soon, especially for large PV plants, it will be possible to measure and to analyze the signal quality of the inverter communication (RS485) with the Solar-Log Base. The horrors of long cable lengths and costly oscilloscope troubleshooting will become a thing of the past.



SDS launches new energy management system Solar-Log Base & Solar-Log WEB Enerest™ 4.0

The brand new Enerest 4.0 provides the online component for the hardware. The new features of the online portal include an improved Dashboard, as well as enhanced monitoring, Task List, Administration and Billing sections. All of the relevant information will be displayed on one page for quicker analysis and processing. This eliminates the tedious search for important information. Errors are detected immediately and an analysis can be performed in just one click. In addition, the new portal has a sophisticated design which makes working with the energy management system more fun.

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Solar-Log WEB Enerest™ 4.0 – high performance in error analysis

Solar-Log WEB Enerest™ 4.0 – high performance in error analysis

The new Enerest 4.0 systematically implements customers' requirements. It paves the way for intuitive operating of PV monitoring and provides a specific compilation of all relevant information in real time. The reason behind this: the plant operator receives all of the required data for context-based error analysis. This quickly and easily helps solve the problem and ensures that the plant is operating smoothly.

Monitoring - specific compilation of all relevant information

Monitoring is the centerpiece of Enerest 4.0. The focus is on quick and easy error analysis. Intelligent data is aggregated so specific plant faults can be accurately analyzed. Tools for data collection include component configuration, plant processes, daily values, current display of the Solar-Log™ and a "heat map" of the component communication.

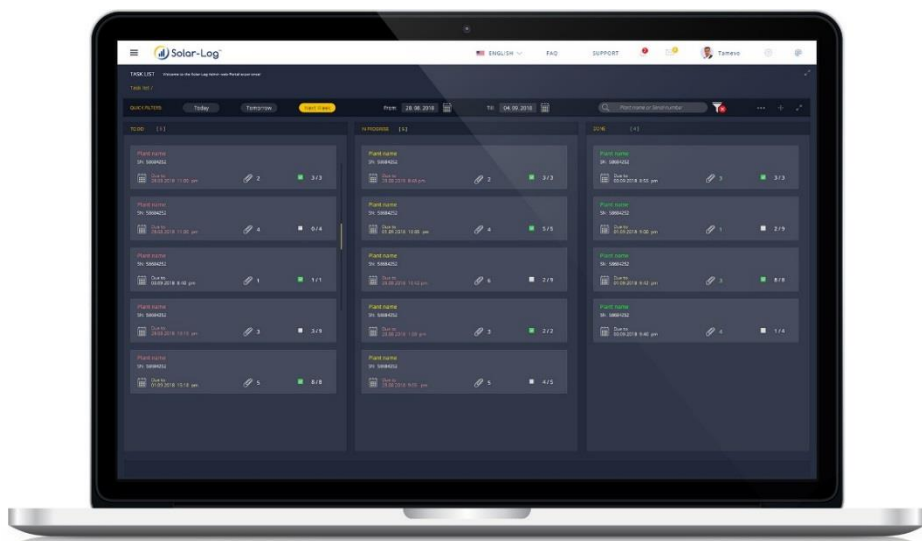
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Monitoring - specific compilation of all relevant information

Task List – an easy way to complete tasks

Red, orange and green – these three categories ensure that pending tasks are simply and clearly structured for each team member. Red is for open tasks, yellow is for lower priority tasks or those tasks that are being worked on, and green is for completed tasks. Essential information is included in the task with the option to attach additional information. Thanks to the simple structure, error management will become a breeze.



Task List – an easy way to complete tasks

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Administration – simple, clear and well-structured

Rights and tasks can be individually assigned in the User and Plant Administration section. A user with individual rights can be assigned to every plant. Individual plants can be assigned to so-called fleets and then assigned to a user group. The settings and right assignments are possible for all segments. This includes users, user groups, plants, fleets and rights. For example, when a user clicks on a plant, all of the properties are displayed. This allows detailed properties to be generated without losing the overview.

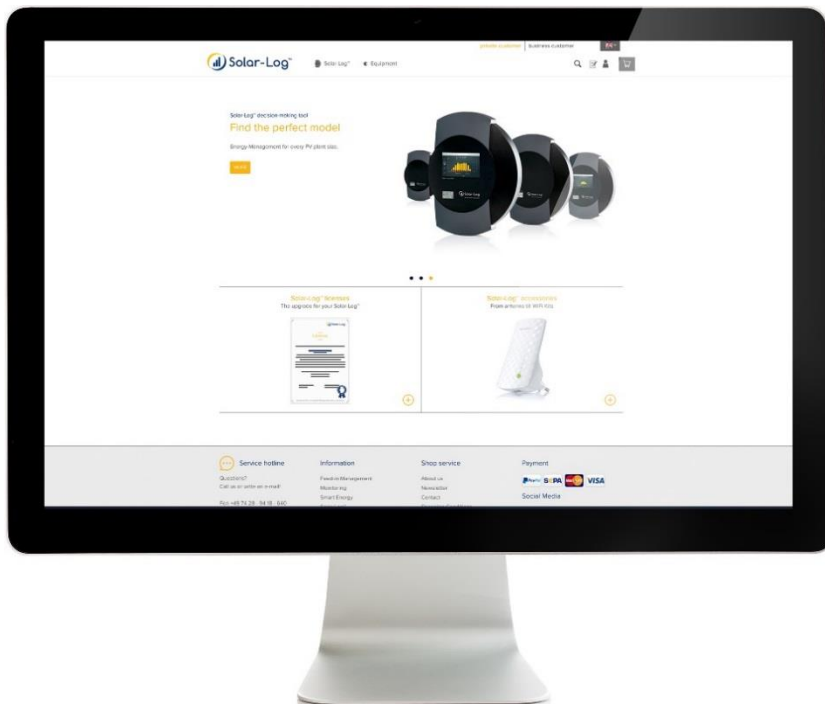
Modular design and licenses for more flexibility in all areas

Flexibility and customization are consistently maintained throughout the hardware. The Solar-Log Base 15 is designed for PV plants up to 15 kWp. The Solar-Log Base 100 provides the optimal functions for plants up to 100 kWp and the Solar-Log Base 2000 is for complex industrial plants up to 2 MW. Additional hardware modules complement the modular design. The Mod I/O and MOD 485 offer plant operators the greatest possible flexibility with the individual expansion of the interfaces. Examples for use of these expansion options include connecting additional inverters, integrating Smart Energy components and carrying out feed-in management. The Solar-Log Base is small, compact and ideal for DIN rail mounting in an electrical enclosure.

High flexibility with new licenses

Along with this high flexibility, there are new licenses thanks to the modular structure. They ensure that the Solar-Log Base series meets the plant operator's on-site maintenance needs. Additional Plant Size Licenses allow for the expansion of the monitored plant size.

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Solar-Log™ Online Shop <https://shop.solar-log.com>

Highest efficiency in every work process

The highest efficiency for every operating process. Solar-Log Base is installed onsite and can be configured remotely. After the hardware has been successfully installed, the Solar-Log™ automatically detects which licenses are required to perform the desired functions. These respective licenses are activated free of charge for 30 days after the initial installation. This service immediately provides plant operators with all of the necessary functions to implement energy management. Within 30 days after the initial installation, the licenses can be purchased from the Solar-Log™ Online Shop. The licenses are automatically activated for the corresponding Solar-Log™ without the need for an additional onsite service call at the PV plant. The Solar-Log Base displays the exact licenses required as a QR code or via the web interface. The individual QR code allows users to access all of the relevant information for additional plant configuration from their smartphone. Alternatively, this information can also be sent by e-mail.

Come see Solare Datensysteme GmbH at Intersolar Europe 2019 from 15 to 17 May in Hall B2, Booth 154.

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Solare Datensysteme GmbH (SDS)

Solare Datensysteme GmbH (SDS), based in the German city of Geislingen-Binsdorf, is one of the leading companies in the areas of smart energy, feed-in management and PV monitoring with global service for operators and installers. Since August 2015, SDS is a subsidiary of BKW AG (Bern, Switzerland) – a global company for energy and infrastructure with more than 7,000 employees.

SDS has developed and distributed their Solar-Log™ product range since 2007, currently installed in 134 countries – monitoring more than 293,000 plants with a total output of 13.62 GWp. Solar-Log™ is compatible with 130 different component manufacturers and more than 2300 different inverter models. SDS solutions make an important contribution to the successful integration of renewable energy into an intelligent power grid and help to make the successful transition to clean energy a reality.

More information about the company can be found at www.solar-log.com.

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