zenon
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zenon – Use in Energy Storage Systems

zenon connects energy storage systems to the grid. The software visualizes live data and serves as a reporting tool to evaluate archived measurement data

Get More from Your Energy Storage

zenon Energy Edition is used in energy storage systems for, among other things, the visualization of live data, as a reporting tool for the evaluation of archived measurement data, and to connect energy storage to the electricity grid. You benefit from quick project configuration, easy operation and maximum security.

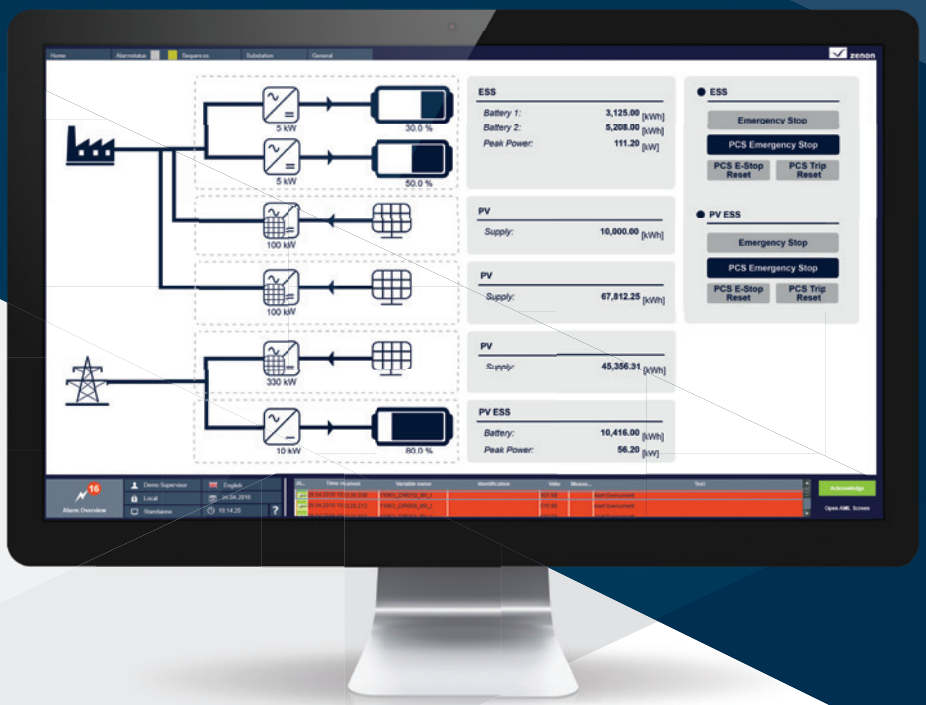
Modern and economic storage systems are essential for renewable energy in particular, and are becoming increasingly important. Smart control can improve efficiency even more. zenon Energy Edition offers you the full scope of functions for the management of storage systems. The scope of features it provides ranges from project configuration, through visualization and reporting, to legally-compliant archiving.

OPTIMUM CONNECTION TO SUBSTATIONS

The system is ideally suited to the connection of energy storage to the public grid via substation. zenon includes all necessary features such as command processing in accordance with IEC 61850. You can thus manage energy storage and substations in one SCADA application – without the need for a second system.

A COMPLETE OVERVIEW WITH THE SCADA FUNCTIONALITY OF ZENON

The standard SCADA functionality of zenon leaves nothing to be desired. You get a clear graphical display of the complete grid and, at the same time, compiled information. The live data can be shown individually as required. Detail views show individual components and information down to field level.



LEARNING BY DOING WITH THE HELP OF REPORTS AND TREND ANALYSES

At present, storage systems for electrical energy are usually new applications; operators are often in a learning phase. zenon supports this process because its reporting tool is a valuable strength. All processes and measured values are logged precisely and archived reliably. You can generate reports, lists and trend analyses from the data and gain valuable insights.

SECURITY IS THE UPPERMOST PRIORITY

The SCADA functionalities for alarm management (such as alarm areas) allow quick reactions to problems and faults. Configured limit values trigger alarms which can, in turn, trigger automated reactions. The Message Control module instigates a communication chain in the event of alarms. The on-call staff are notified by SMS, email or a text-to-speech call. If somebody cannot be reached, the system automatically informs the next person on the list. This ensures a rapid reaction in the event of problems.

FROM IEC 61850 THROUGH TO ARCHIVING

zenon supports all common communication protocols in the energy industry, such as IEC 61850 for example. Further functions include comprehensive visualization possibilities, easy reporting, well-thought-out process simulations, legally-compliant archiving and much more.

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We thank our partners for their friendly support and the pictures (www.istockphoto.com) they provided.

Publication number: CD-SL-Energy-Storage-18-11-EN

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