

Energy and infrastructure management for the U.S. Army

Siemens energy management systems are a powerful suite of products, software and services aimed at monitoring and reporting energy consumption of all types. Powerful reporting functions and analysis tools make visible the infrastructure status, power quality and reliability of the electrical systems.

Powered by our WinPM.Net™ or SENTRON Powermanager™ software, the system puts the right information into the hands of facilities engineers, energy managers and support staff to help them manage the energy.

Infrastructure issues can be more effectively addressed by setting and monitoring of efficiency and energy goals (e.g EPact 2005 and EISA 2007 mandates) and reporting progress. The system allows for better planning of system expansions and managing energy issues and provides for alarms that when limits are about to be exceeded within the base or complex.

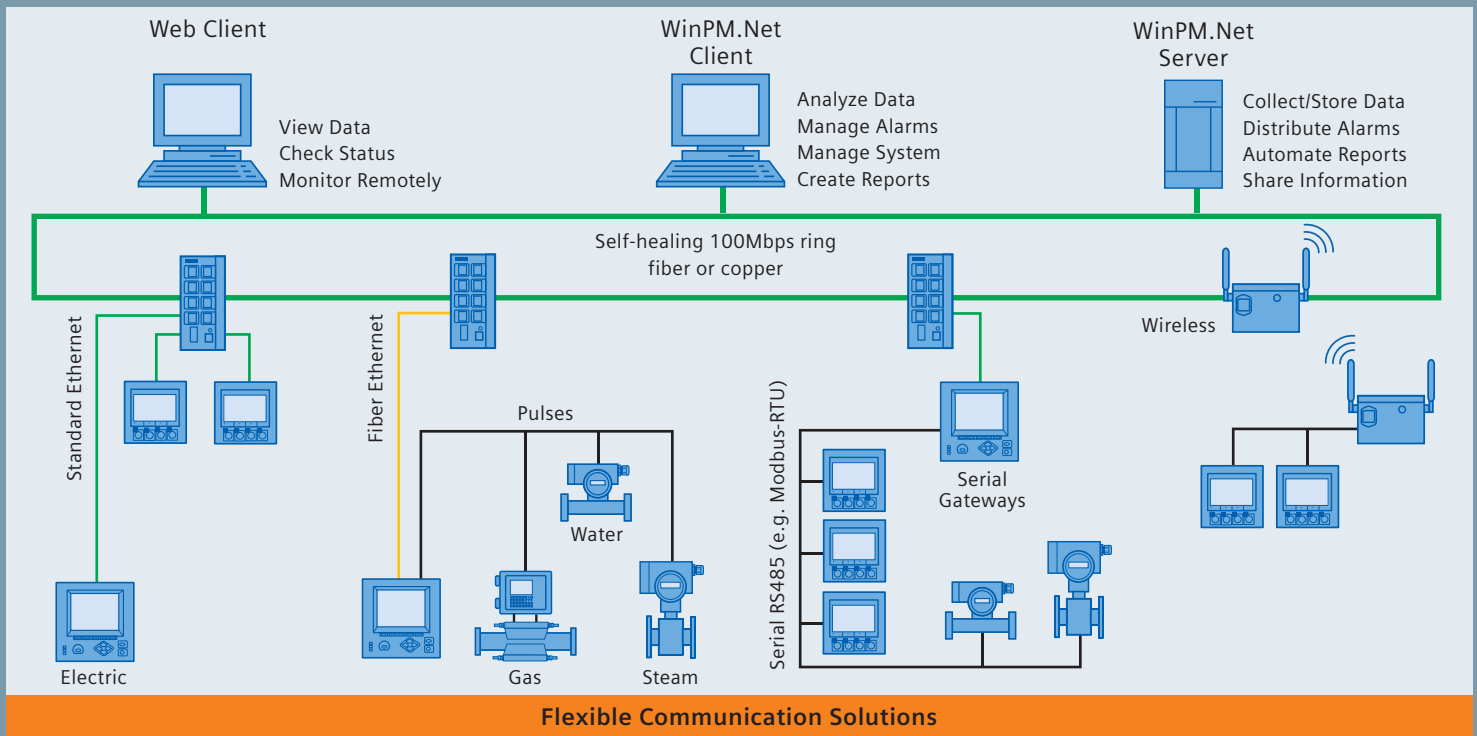
Siemens family of advanced hardware, software products, combined with our service and support, round out our offering to help you meet your energy management goals.



Intuitive screens and reports

Energy Management Solutions

Energy Monitoring Solution for Army Facilities



Solution fit for the U.S. Army

Siemens is proud to be an approved supplier of metering and monitoring systems and services to the U.S. Army under UMCSIII and MDMS contracts. Our decades of proven experience in the industry make Siemens an ideal partner to rely on for well developed products and solutions of the highest quality. We are eager to support the Army's metering efforts related to EAct 2005 and EISA 2007, and provide a platform – upon which the Army can accomplish much more in preparing its energy infrastructure for the future.

Siemens provides commercial off-the-shelf (COTS) hardware and software products that meet and exceed all goals of the Army's current metering projects and enable Army bases, out posts, and reserve stations to do more.

Siemens, WinPM.Net is the software engine at the base level that collects consumption data locally and makes it available for merging into the enterprise level Meter Data Management System (MDMS) or the "Dashboard in the Sky."

While that function is a key to the success of the MDMS, it is only a small part of the capabilities that WinPM.Net and the rest of the Siemens solution can offer bases locally. We can additionally provide, customized local reports, intuitive interactive visualization of your energy distribution systems, alarm management, equipment diagnostics (switchgear, generators, UPSs, etc.), power quality analysis, and data exchange via standard interfaces with other key systems in your facilities. Simply put, everything needed to properly manage your energy consumption and energy infrastructure base-wide.

At the base level we will work with facility engineers, energy managers, the Army Corps of Engineers, IMCOM, NETCOM, DOIMs, and others to implement an energy management solution that addresses the local needs of bases using the expanded offerings from Siemens.

Go beyond consumption monitoring

Tie in other infrastructure equipment to monitor critical alarms and diagnose problems in real time



Energy Infrastructure Integration

Extensive product line

Advanced electric metering products from Siemens meet and exceed the Army guidance for advanced metering, EAct specifications, and DOE guidance. Capabilities incorporated into these industry-proven high accuracy meters include real-time and historical information, power quality data, built-in Ethernet and serial communications and digital input and output ports for integration of existing utility inputs.

Siemens other monitoring products (such as gas, steam, and water meters) also meet the stringent design criteria built into our advanced electricity metering products. These also meet and exceed requirements of EISA 2007.

Our communications systems provide flexible solutions for the varying needs of bases of all types. From redundant hardwired Ethernet and serial communications, to fiber networks and secure wireless solutions, Siemens has the equipment and knowledge to get your data where it needs to go, reliably and securely.

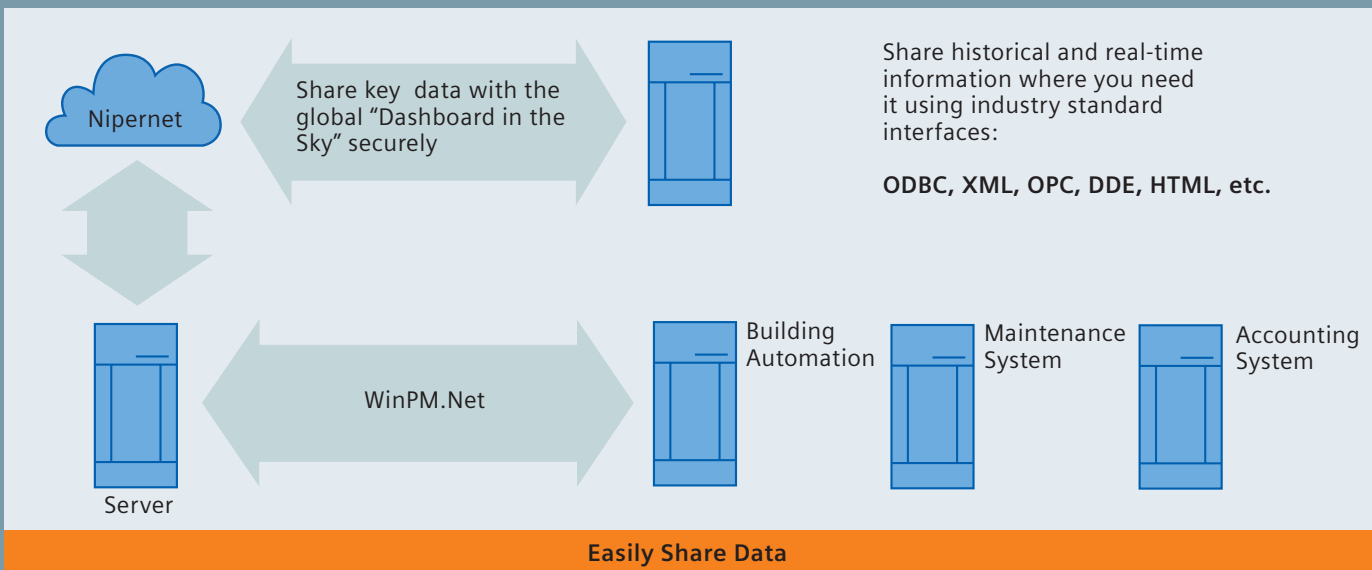
Integration of data

A key component of the EAct metering requirements is the global collection of interval consumption data. The metering at each base must be integrated into the MDMS system. A key component of the EAct metering requirements is the global collection of interval consumption data.

Therefore, the metering system at each base must be integrated into the MDMS system.

Siemens WinPM.Net insures that integration in the Army's selected MDMS system works seamlessly. With minimal configuration WinPM.Net is ready to share all recorded energy consumption data to the global system, saving the Army money.

MDMS System



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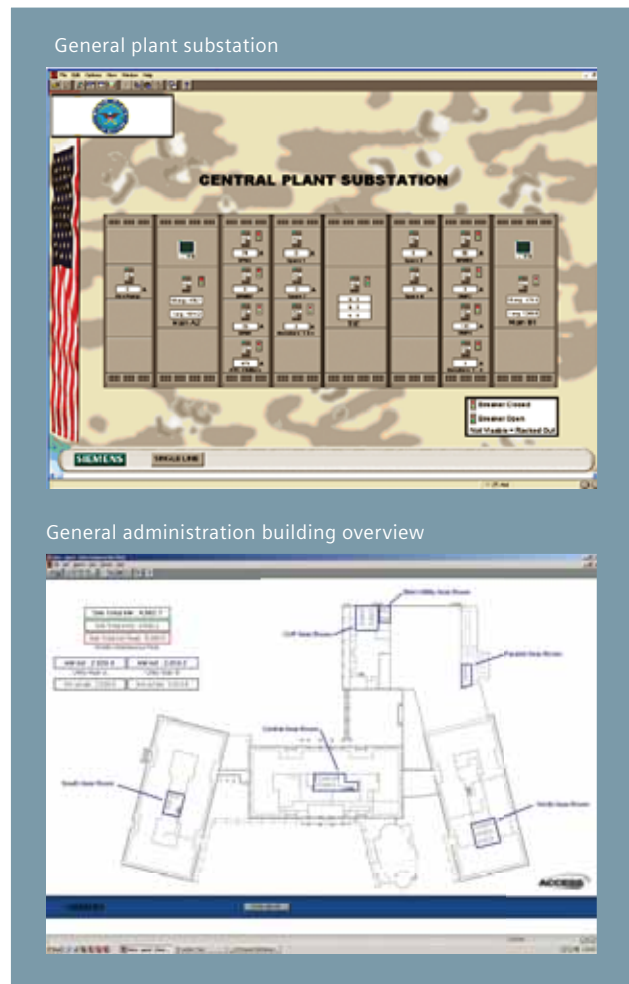
Meet and exceed the advanced metering requirements of EPCRA 2005 and EISA 2007 mandates.

Ensure seamless integration of energy consumption data into the Army's Meter Data Management System (MDMS).

Retain local abilities to create and modify customized reports and information displays aimed at continuously identifying energy improvements specific to your facilities.

Provide ability to monitor other energy infrastructure equipment beyond consumption meters, including generators, transformers, breakers, UPSs, motors pumps, etc. Expand beyond consumption monitoring to equipment monitoring without changing existing hardware, adding additional systems or retraining personnel.

Target energy infrastructure improvements by getting the complete energy infrastructure picture.



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