



SIEMENS

Military power verification

Mobile field hospitals

Power Distribution Solutions

Challenge

Making sure our US military's Mobile Hospitals are ready and prepared for a war zone is vital. A group of military personnel that makes sure sensitive equipment stays online, works properly in harsh field conditions, and that electrical power is clean to the medical tents, needed a small compact solution to monitor power.

The group needed a powerful power meter to track, thru on-board logging, the power and power quality feeding a tent or critical equipment. They needed a meter that was compact in size and would fit into their electrical junction box used to connect the generator power to the tent's load.

Solution

Siemens engineers designed a solution that utilized a Siemens 9350 Power Quality Meter with ethernet communications for use in the junction box. The 9350 meter was small enough to fit completely inside, allowing the junction box to be outside in the elements. The 9350 meter provided the necessary on-board memory, logging capability, alarm tracking, waveform capture, and sag/swell disturbance monitoring the group was looking for.

Siemens also assisted with the setup of the meter and the advanced WinPM.Net software for the project. A laptop

with WinPM.Net loaded on it was used for a fast and easy connection to the power meter. No serial converters or third party components were necessary. The WinPM.Net software allowed the group to download the data, display trend data, view waveforms and transfer data to other personnel. Siemens also customized the setup of the 9350 meter by tracking the minimum, maximum and average voltage, current and power every 15 minutes.

Results

The Division found the powerful and flexible 9350 meter great for their application. The customized logging setup allowed them to analyze operational and personnel habits, by tracking swings in power loading. This allowed them to see if someone was cycling power which could cause long term damage to the generator, the connected medical equipment or associated equipment nearby. Catching this during a training mission vs. in a war zone, has made an impact to the reliability and readiness of the medical personnel and their equipment.

The meter was able to capture training mission data and power quality information valuable to the group. It allowed them to return after a training mission with data supporting the readiness of the equipment and forces, as well as data to support changes in equipment or personnel operations.



Siemens Solution for Healthcare

As a global leader in the healthcare segment, Siemens is focused on minimizing your risk, supplying safer and reliable equipment and servicing support. Siemens has dedicated project teams that understand and manage project processes and milestones to support

comprehensive products and solutions that are backed by on-call service and support, driving lower long term construction and operating costs. Our solutions support healthcare facilities such as hospitals, clinical labs, medical office buildings, nursing homes, and more.

Reliable and precise monitoring of electrical power systems

Siemens Power Distribution Solutions recognizes that high performance facilities make for high performance business. Energy is the lifeline of your business, and better efficiency and sustainability can have a large positive impact on your bottom line.

The Energy Management and Control Systems from Siemens provide a complete enterprise solution that can help you manage the energy costs

and availability of your business. With our advanced meters and controls, you can be sure to use only the energy you need, when you need it.

Siemens Power Distribution Solutions can also contribute toward achieving LEED® certification and provides the needed energy metering data for federal/local government energy reductions programs.

Siemens Industry, Inc.
5400 Triangle Parkway
Norcross, GA 30092

1-800-241-4453
info.us@siemens.com

Subject to change without prior notice
Order No.: PMCH-HOSPT-0911
Printed in USA
© 2011 Siemens Industry, Inc.

www.usa.siemens.com/pds

The information provided in this flyer contains merely general descriptions or characteristics of performance which in case of actual use do not always apply as described or which may change as a result of further development of the products. An obligation to provide the respective characteristics shall only exist if expressly agreed in the terms of contract.

All product designations may be trademarks or product names of Siemens AG or supplier companies whose use by third parties for their own purposes could violate the rights of the owners.