

CG APPLICATIONS

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| Application Note: | March 2009 |
| Market involved : | Telecommunication |
| Product : | VMU-E and VMU-X |
| Customer : | Panel Builder and system integrator |
| Subject : | Energy metering in stand-alone field mobile communication |

CUSTOMER ISSUE :

A provider of a mobile telecommunication system is changing the actual power supply system from generator-set to renewable energy system, based on combination of photovoltaic and wind turbine energy.

In order to keep the consumption under control the company has to measure the DC energy of the 48VDC radio-telecommunication system.

OUR SOLUTION:

We can provide VMU-E and VMU-X : the brand new energy analyzer for DC systems with serial communication port.

ACHIEVED BENEFITS:

The company can keep under control the consumption of energy, improving this operation by measuring the relevant instantaneous variables such as current, voltage and power, in order to provide a full picture of how the local radio repeater works.

The integrated RS485 communication port allows to transmit, using the company's communication network, all the valuable information to the headquarters in order to predict potential failures and promptly put in place proper actions to avoid service interruption.

