

#### REDUCE COST AND COMPLEXITY OF IDENTIFYING ENERGY SAVINGS THROUGH SUBMETERING

Installation costs can easily exceed the cost of the actual submetering system making access to interval energy data cost-prohibitive to the end-user. A fully integrated plug-and-play submetering solution that requires no external power significantly reduces installation time and cost and is an excellent first step for capturing building energy use.

With the Energy Monitoring Hub+ (EMH+), contractors can now offer their customer a cost-effective, reliable submetering solution for monitoring building-level energy consumption. The EMH+ is built on an open architecture and is easily expanded to collect other utility data like water, gas, and steam, or easily share data with existing building automation or legacy systems. The EMH+ is the logical first step for energy measurement and verification.

#### **PROBLEM**

Customer wants building-level interval data and this is cost-prohibitive with labor for installation and setup of metering system.

- The complexity of some submetering systems can make installation cost-prohibitive
- Additional software, licenses, and commissioning greatly increase costs
- Customer building types and electrical services vary
- Certain state energy codes now require metering
- External power for devices not always available
- Networking and communication systems were complex to commission



## **SOLUTION**

# Easily install complete metering system.

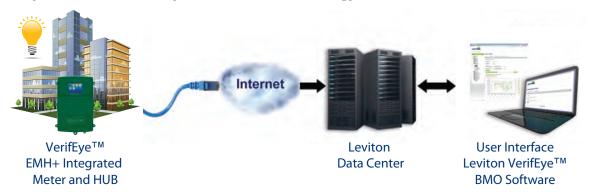
- The EMH+ greatly reduces installation time and cost with an integrated, line-powered meter
- Combined with Leviton's free online energy data visualization service, Building Manager Online (BMO) software, users have an end-to-end solution to meet energy codes
- The EMH+ offers a complete metering system for virtually any building type and service
- LCD touch screen for ease of set-up/commissioning no laptop required

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#### **BASIC SUBMETERING SOLUTION**

## Simple, Effective, Turn Key Solution to Monitor Energy in Real Time



## **Target Opportunities**

#### • Small/Mid-Size Commercial Buildings

- Owner wants one meter for whole building
- Needs remote access via Ethernet
- Option to read data manually
- Value add ability to add gas and water meters

#### • Retail Portfolio Operators

- Operator typically looking at building level energy use needs one electric meter
- Needs remote web access
- Option to read data manually/locally
- Wants easy to deploy system
- Value add ability to add gas and water meters

# **Target Opportunities**

#### • Campus Education/Research

- Energy Manager typically looking at building level energy use
- Budget requires slow campus wide deployment
- Wants Ethernet or BMS interface
- Value add ability to add gas and water meters
- Universal voltage and programmable amperage

### Manufacturing Plant

- Generally monitoring energy load data
- Wants plug-and-play solution for easy remote and manual data capture
- One meter platform with universal voltage/selectable amperages
- Integrates with BMS systems

# What You'll Need for a Submetering Solution

BASIC INTEGRATED METERING SOLUTION				
WAS .	Energy Monitoring Hub+ (EMH+)  A8814-XS3*  Integrated revenue-grade meter and data acquisition HUB tracks real time energy usage, monitors critical lighting and HVAC systems, and seamlessly integrates with BMS systems.	1		
	Building Manager Online (BMO) Energy Monitoring Software Available at no cost with the purchase of VerifEye EMH+.  • Allows users to quickly access energy consumption from a web-based platform.	1		

<sup>\*</sup> Replace X to indicate amperage: 1=100A, 2=200A, 3=300A, 4=400A, 6=600A

## Contact your Leviton representative for additional smart solutions to expand and upgrade your system.

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