LEVITON®

Industrial Submetering
VerifEye™ Solutions for Heavy-Duty Industrial and Manufacturing

Series 4000 Industrial ModBus Meters
ROBUST POWER, PERFORMANCE AND COST SAVINGS FOR INDUSTRIAL AND MANUFACTURING PLANTS

It takes a tremendous amount of energy to run the heavy equipment required for industrial and manufacturing processes. Factories and industrial facilities can achieve significant cost savings by improving equipment performance, load shedding, and eliminating wasteful consumption through submetering retrofits. In addition, accurate allocation of utility costs made possible through submetering can enhance management of per-unit production costs.

PROBLEM
Industrial manufacturing plant desires a submetering retrofit to monitor equipment, reduce unnecessary energy usage and accurately allocate costs.
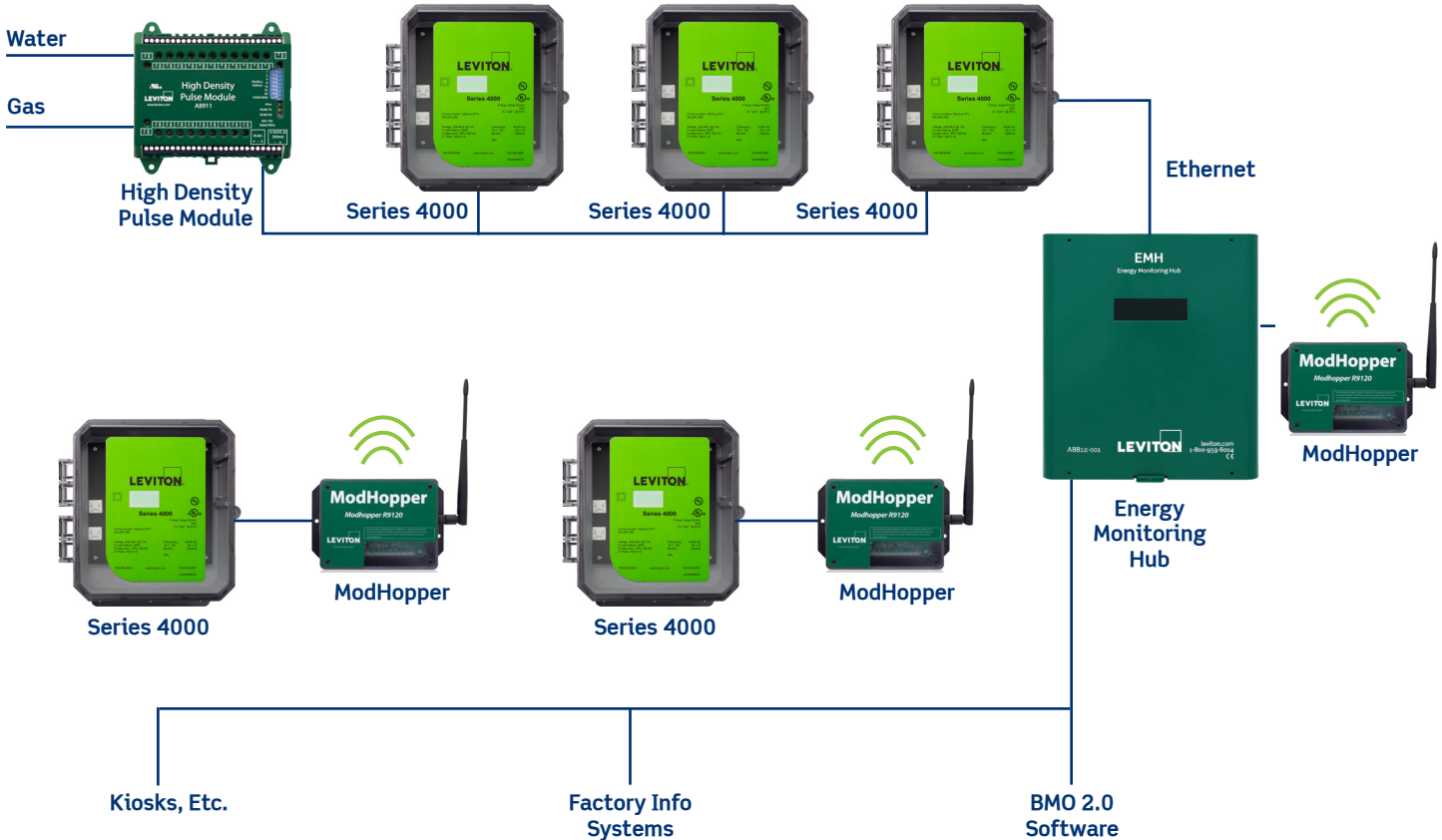
- Large operation requires robust, high amperage products that can communicate over long distances
- System must be scalable to accomodate shifting needs, with retrofitting that will not interfere with operations
- Must deliver load shedding, measurement and verification, and demand analysis capabilities

SOLUTION
VerifEye robust meters, combined with wireless communication protocols, allows industrial and manufacturing facilities to create scalable submetering systems.

- Series 4000 meters are designed to work with building automation systems and utilize VerifEye wireless communication products to cover large distances in complicated facilities
- Highly scalable system can be phased in so as not to interrupt production runs and other critical operations
- Meters and communication products interface with BAS/BMS systems to provide load shedding capabilities.
- Metering data can be used to generate real-time reports using Energy Manager and FREE BMO 2.0 software to track energy usage and identify malfunctioning equipment

Leviton Manufacturing Co., Inc. Lighting & Energy Solutions
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![Leviton logo]

VerifEye Industrial Manufacturing Scalable Solution

Water

Gas

High Density Pulse Module | A8911

High Density Pulse Module

Series 4000

Series 4000

Series 4000

Ethernet

EMH
Energy Monitoring Hub

A8812-001

ModHopper
Modhopper R9120

ModHopper

Series 4000

ModHopper
Modhopper R9120

ModHopper

Series 4000

ModHopper
Modhopper R9120

ModHopper

Energy Monitoring Hub

Kiosks, Etc.

Factory Info Systems

BMO 2.0 Software

WHAT YOU WILL NEED

	VerifEye Industrial Manufacturing Scalable Solution	
	Series 4000 Industrial ModBus Meter | 4xUxx-xxx* • Revenue-grade kWh electrical meter	5
	High Density Pulse Module | A8911-023 • Brings large banks of pulse submeters into ModBus networks	1
	Energy Monitoring Hub | A8812-00x* • Data acquisition server that collects transmitted meter data for software, systems, etc.	1
	ModHopper | R9120-500 • Provides self-optimizing wireless mesh network between multiple meters	3

*Multiple configurations and voltages available. See data sheet for more information.

NOTE: Equipment quantities will vary according to the size of the application. Contact your Leviton representative for assistance in designing your metering system.

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