

EtherMetrics

DataCube®

Energy Information for Smarter Buildings

fact sheet

Industry need

Energy monitoring is expensive and difficult yet increasingly urgent as organizations seek to control their energy expenditure and reduce CO₂ emissions. Each building has a different energy profile, a different IT provider and any number and variety of different meters that primarily serve billing, operations and maintenance functions. Businesses worldwide are actively seeking cost-effective and agile advanced metering solutions; delayed implementation may mean lost opportunities, diminished competitiveness and reduced profitability.

EtherMetrics energy monitoring solution

EtherMetrics has integrated the technologies needed to monitor, analyze and report meter data into a unified energy information solution. The DataCube® combines data acquisition for a single meter with an embedded server to capture, analyze, communicate and report energy and water usage.

Low cost and easy to install, the DataCube® works with any pulse-enabled meter, in any Ethernet network. The DataCube® enables energy managers to achieve a higher granularity of understanding through targeted deployments into facilities. With the DataCube®, organizations can meet sustainability goals and implement efficiency and conservation strategies by tracking key energy and water performance indicators.

Why the DataCube®?

As an ubiquitous interface to all meter information, the DataCube® platform enables:

- Integration with existing or next-generation meters
- Snap-in software to extend functionality
- Benchmarking
- Statistical analysis/baseline generation
- BAS/SCADA integration
- Demand response
- Price response
- Load limiting
- Billing/departamental chargebacks
- Cost allocation
- System integration (FTP/CSV/XML/BACnet/Modbus)

The DataCube® uses secure networking techniques to avoid deployment headaches and significantly reduce delays, costs and the annoyance of dealing with diverse IT environments. This simple yet powerful technology avoids facility engineering and system integration barriers and provides a comprehensive device suitable for rapid, scalable deployment at a low total cost.

