EtherMetrics

DataCube®
Energy Information System

features and benefits

The DataCube®:

The DataCube® brings forth the next era of feature-rich energy information system technologies. Pre-engineered efficiencies and improvements in hardware, software and networking features provide diverse benefits to an entire ecosystem of end-users and their service providers.

	Feature	Benefit
Commercial & Industrial	EPA Portfolio Manager Automated Benchmarking	Earn EPA Energy Star ratings for facilities, maintain corporate CO_2 emissions inventory and eliminate monthly "sneaker readings"
	Onboard logic with BAS integration	Facilities avoid costly and risky changes to their existing and stable BAS while saving/earning money from advanced control strategies such as load limiting and demand response
	Power-over-Ethernet	Uses existing facility infrastructure and avoids running 110AC power / avoids battery maintenance and wireless reliability issues
Government	Pulse input	Plug-and-play compliance with both EPAct 2005 and EISA 2007 advanced metering requirements using existing energy and water meters
	EPA Portfolio Manager Automated Benchmarking	Plug-and-play compliance with EISA 2007 facility benchmarking requirements
	Lower installed cost	More available capital for the project permits deeper and higher quality measurement to realize real savings
ESCOs, Performance Contractors & Demand Response Providers	Advanced networking using outbound https or http	IT and firewall hassles minimized during installation and operation
	Centralized management (optional) via web interface	Configure before or after deployment or even when off-line. Manage remotely, even through firewalls
	Flexible communications and data formats	Seamless integration with your company's existing data collection systems and business processes
	Least-cost substitute for your current approach to data acquisition & telemetry	Significantly cut cost centers associated with using expensive meters and dataloggers. Reduced installation, maintenance & system integration costs and improved profitability.
	Onboard server architecture	Reduced deployment time, simple and minimal installation, massively deployable with no additional infrastructure required
	BAS integration w/ two-way communications and control	Implement automated load shedding strategies and enable customer smart grid participation in demand response markets
Engineers & Integrators	48V controllable power output	Power meters and field devices using without running additional 110AC power or optionally control field equipment or relays
	Controllable Solid State Relay	Fully isolated Form A controllable dry contact switch allows user to send manual or automated on/off commands to field equipment
Utilities & ISOs	Pulse input	Convert existing electromechanical meters into transitional 'smart meters' (retrofit vs. replacement). Avoids costly meter asset write-offs and liability.
	SCADA integration	Can monitor real-time smart grid price signals. Capable of being continuously scanned and controlled by SCADA system. Participation of small, disaggregated loads in Ancillary Markets.

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