

PowerLogic® PowerView™

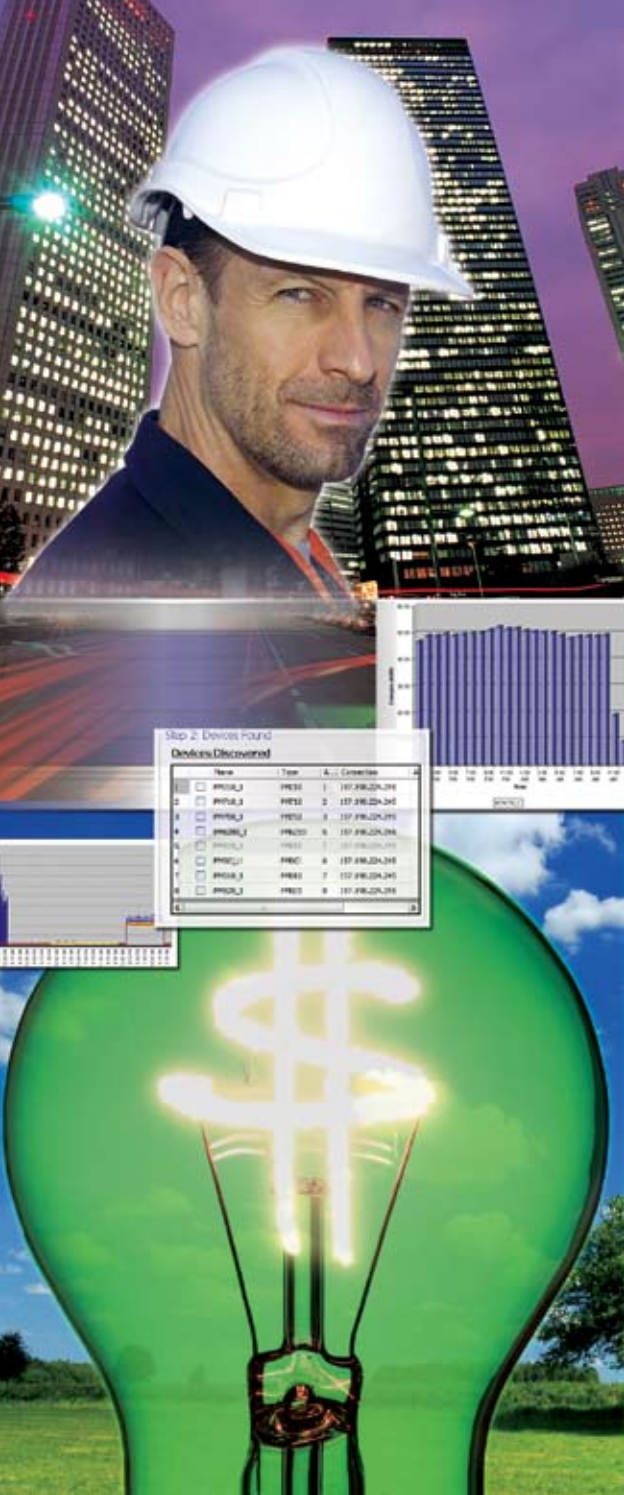
Power management software for power meters



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Power management software solution

PowerLogic® PowerView™ software is an easy-to-use, entry-level power monitoring solution ideally suited for small system applications. Companies continually look for innovative solutions to cut power-related costs and optimize equipment use. PowerView power management software simplifies system and device configuration by polling your network for compatible PowerLogic devices. Connection and data logging begins automatically at factory preset intervals, settings which are easily changed by the user. The software allows you to track real-time power conditions and perform remote monitoring of electrical equipment or installations at key distribution points across your electrical network.

Use logged values to reveal energy waste, unused capacity and historical trends. Its Report Builder includes time of use configurations, allowing you to create reports with energy and demand values for time periods with specific billing requirements. Generated reports publish to Microsoft® Excel for easy data access and custom reporting. PowerView is a cost-effective power monitoring solution and a key first step towards a comprehensive energy intelligence strategy. **Within one hour, you can install and begin monitoring.**

Typical applications

- Power consumption monitoring: use historical data for trend information; plan expansion based on actual usage; avoid over-design and use your electrical system to its full capacity
- Cost allocation: track power-related costs for building, process, or tool; create multi-year time-of-use activity profiles
- Equipment monitoring: monitor electrical equipment or installations at key distribution points across your network; monitor for pending problems or scheduled maintenance
- Strategic planning: use logged values of current, voltage, power, power factor, energy, demand power, demand current to develop strategies to avoid interruptions
- Preventative maintenance: proactively manage your power system; Base maintenance schedule on actual operating history

Key features

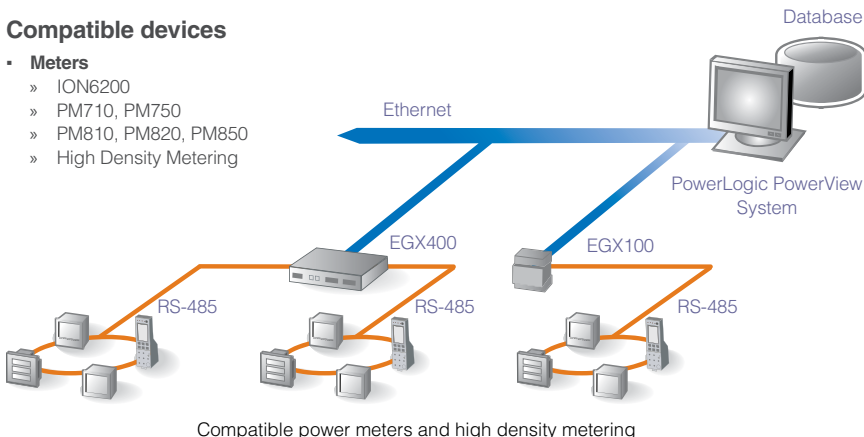
- Automatic device detection for easy setup, supporting up to 32 simultaneously connected devices
- PC-based data logging for devices without onboard logging memory
- Pre-configured real-time and historical data displays
- Modbus® TCP/IP protocol and RS-485 supported serial communications
- 6 Easy steps to build and generate reports
- Reports leverage Microsoft Excel
- Microsoft MSDE database

PowerLogic® PowerView™ network example

Compatible devices

• Meters

- » ION6200
- » PM710, PM750
- » PM810, PM820, PM850
- » High Density Metering



Data presentation

- PowerLogic PowerView™ software is specifically designed for power monitoring.
- Microsoft MSDE data warehouse with backup and restore database management capabilities.

Data communications

- Use the EGX100 gateway or EGX400 server as Ethernet couplers for complete access to all your compatible meters.

Intelligent devices

- Connect to devices for remote installation monitoring, sub-billing and cost allocation capabilities. Data is securely accessible using industry-standard database tools.
- PC-based logging for devices without onboard logging memory.

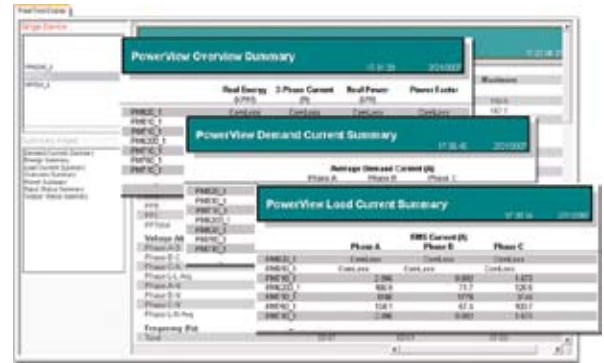
Automatic device acquisition and data integration

- PowerLogic PowerView software uses industry-standard Modbus TCP/IP and RS-485 (2 wire or 4 wire) protocols to interface with your devices
- Easy-to-use device setup component polls your network and detects supported devices; simply select up to 32 devices to add to your system – or manually add/delete device connections
- Onboard device logging or PC-based logging (depending upon device capabilities) begins automatically at default or user-defined intervals
- Microsoft MSDE database with backup/restore capabilities for reliable database management



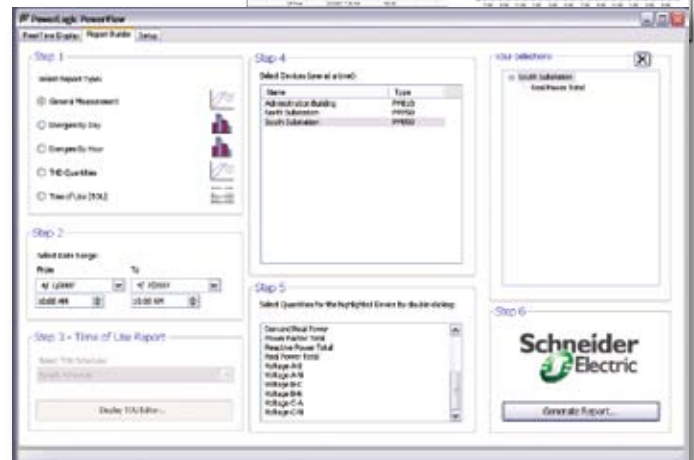
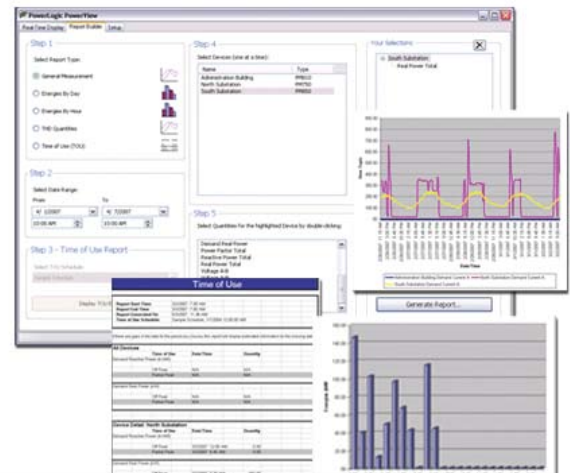
Real-time power monitoring

- Use the Real Time Display to view key distribution points in the electrical system. Measured quantities include current, voltage, power, power factor, energy, demand power, demand current, and total harmonic distortion (THD)
- Display real-time power and energy measurements and historical trends
- View data by single device or view and compare real time data from multiple devices
- Real-time summary views:
 - » Demand current – view the amount of electricity consumed over time
 - » Energy – view measured kilowatt-hours for sub-billing or comparison purposes
 - » Load current – measure the current required to supply your load demands
 - » Overview – view the real energy (kWH), 3-phase current (A), real power (kW) and power factor of your connected devices
 - » Power – measure the rate energy is drawn from your electrical system (watts)
 - » Input status summary – check the input status of your I/O-capable devices
 - » Output status summary – check the output status of your I/O-capable devices



Reporting

- Use Report Builder to build and generate reports in 6 easy steps.
- Standard reports include:
 - » General measurement – trend patterns for electrical energy usage, power demand or any other logged parameter. These reports include the referenced data points of the trend. Leverage these values in Excel to create detailed reports, enable further analysis and reveal true business conditions
 - » Energies by day; energies by hour – analyze measured kilowatt-hours for cost allocation or comparison purposes
 - » THD quantities – measure, analyze and compare total harmonic distortion
 - » Time of Use (TOU) – define up to 3 TOU schedules each with 10 periods for energy accumulation; supports weekends, special days, holidays
- Report Builder exports and publishes the reports in Microsoft Excel



Measured parameters	HDM	ION6200	PM710 PM750	PM810 PM820 PM850
Phase current (A, B, C)	▶	▶	▶	▶
Phase voltage (AN, BN, CN)	▶	▶	▶	▶
Line voltage (AB, BC, CA)	▶	▶	▶	▶
Power factor total	▶	▶	▶	▶
Real, reactive, apparent energy (kWh, kVARh, kVAh)	▶	▶	▶	▶
Real, reactive, apparent power total (kW, kVAR, kVA)	▶	▶	▶	▶
Real, reactive, apparent demand total (kWd, kVARd, kVAd)	▶	▶	▶	▶
Demand current (A, B, C)	▶	▶	▶	▶
Neutral current		▶	▶	▶
THD phase voltage (AN, BN, CN)		▶	▶	▶
THD current (A, B, C)		▶	▶	▶

PowerLogic® and ION® Systems

Through the acquisition of Power Measurement, Schneider Electric has integrated ION technology within the PowerLogic range of software and hardware, creating the world's largest selection of advanced power and energy management solutions.



PTS
DATA CENTER SOLUTIONS

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