

Building management

Application: all large critical industrial buildings (>1000 kVA)

Boost energy efficiency and increase the availability of your electrical installation

How can I save energy in an industrial building where there's zero tolerance for power cuts?

Combine ION Enterprise power monitoring software and Power SCADA operations and maintenance management software

The solution delivers a detailed analysis of events while optimizing control of your building's power supply.

ION Enterprise software manages energy-efficiency-related functions

- Comprehensive managed energy information:
 - > Electric metering through PM and CM meter ranges and Sepam, Masterpact, and Compact NSX meters with built-in protection
 - Electric parameters: voltage, current, frequency, power factor
 - Power and energy parameters: apparent, active, reactive
 - Power quality
- > Load aggregation, trigger on complex conditions, alarming, event logging, trend graphing for any measured parameter, analysis of efficiency, losses and capacity, bill verification, cost allocation, and sub-billing
- > Web-enabled, local or remote preconfigured and custom reports; manual, scheduled or event-triggered reporting and distribution via email or web
- Load and power source controls; demand and power factor correction
- > Collection of all WAGES (water, air, gas, electricity, steam) metering data through additional meters or directly via Ethernet, from a PLC-SCADA for example

PowerLogic SCADA mainly addresses availability related functions

- Real-time monitoring and control of the entire power installation for even the most complex facilities
- Advanced alarm and shift management functions for smoother maintenance scheduling
- Powerful troubleshooting thanks to precision time stamping accurate to within 1ms
- Advanced communication architectures : hot/warm redundant I/O device configuration, self-healing ring communications and primary and standby server configurations
- Fast manual control operations by clicking on-screen trigger buttons, and remote breaker, protection relay, and other power distribution equipment operation

Benefits



+ Compatible with all Schneider Electric products, including PowerLogic ION-series meters and PowerLogic PM750 and PM710 meters

+ Connectivity to third-party devices via Modbus or OPC

+ Powerful customization facilitates implementation of all power control functions

+ Remote alarming, reporting, and operation for reduced on-site presence

For the user

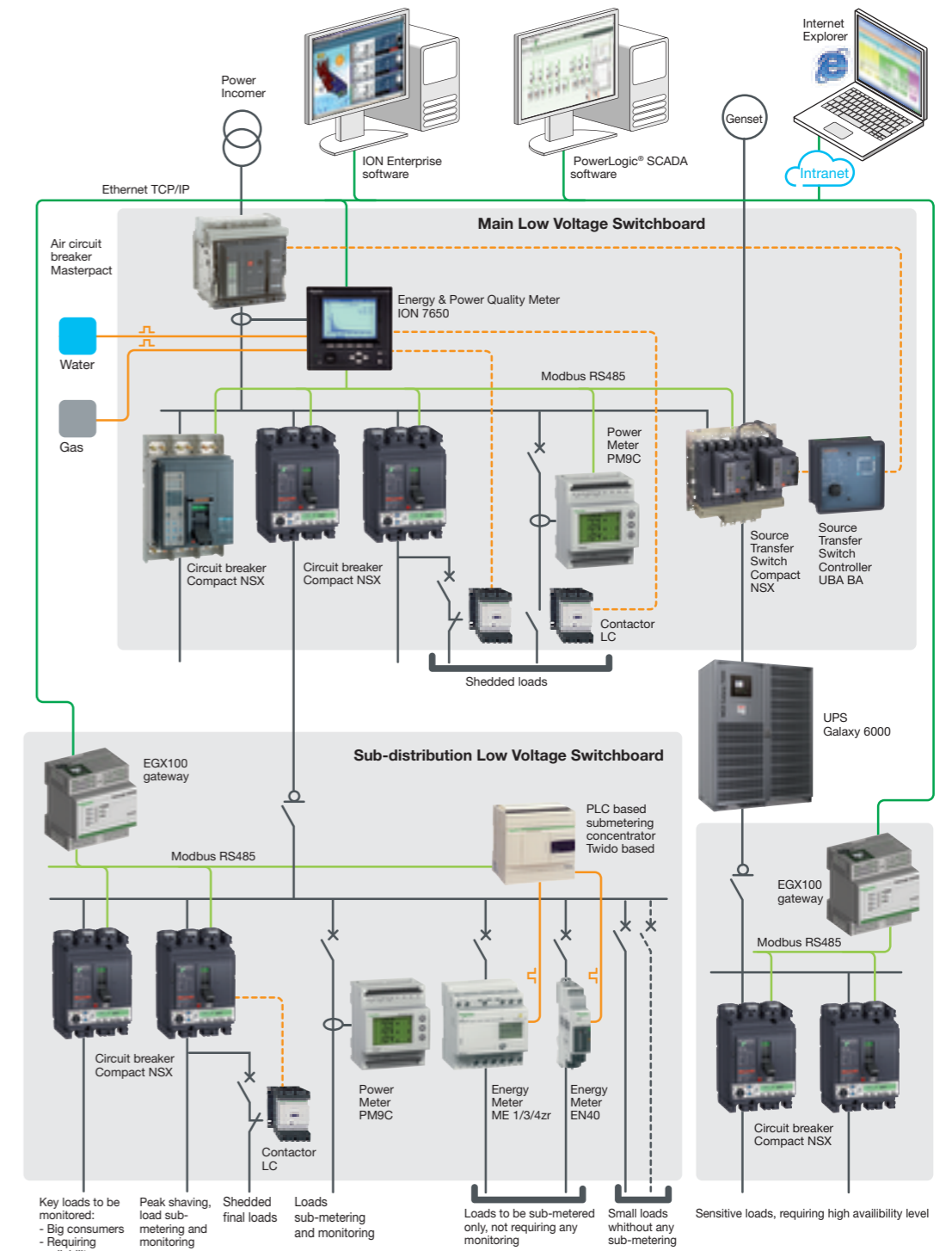
> Reduce energy consumption by **10%** by analyzing usage

> Implement additional controls such as curtailment programs for even greater savings

> Improve availability of your facilities through faster access to decision-critical reports and automated multi-source controls

> Increase accuracy of monitoring and troubleshooting with highly-accurate 1ms time stamping capabilities

- Measure
- Reduce energy consumption
- Reduce energy costs



ION E V6.0 software

- High interoperability with third-party systems, applications, and services such as BAS, MES, and ERP via ODBC, OPC, XML, FTP, email, CSV, and PQDIF

- Integrated metering of all utilities (water, air, gas, electricity, steam)
- Enterprise web portal access to system-wide displays
- Power quality analysis including compliance with

- international standards (IEC 61000-4-30, EN50160)
- Windows SQL Server 2005 database, ODBC-compliant, support for multiple distributed servers and clients

Power SCADA software

- Control an entire electrical distribution system with up to 2,000 devices
- Web interfacing
- Library of objects and page templates
- Calculations (MVA, Power Factor, MWh, etc.)

