Meet the rest of the PowerLogic Family

Non-Meter Power Management Applications

PLUG2022

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PLUG: PowerLogic Users Group

PowerLogic

Connected power devices to improve quality, reliability, security, safety, asset life and energy efficiency

PowerLogic ION

PowerLogic PM

PowerLogic PFC

PowerLogic Easergy Relays

PowerLogic AccuSine

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EcoStruxure™ Power

The industrial IoT Platform for Power Management

EcoStruxure™ Power Architecture

Apps, Analytics & Services			**EcoStruxure** Asset Advisor	**EcoStruxure** Power Advisor	**EcoStruxure** Resource Advisor	**EcoStruxure** Microgrid Advisor	**Cybersecurity Services**
Edge Control	End-to-end Cybersecurity	Cloud and/or On Premise	**EcoStruxure** Power Gateway	**EcoStruxure** Facility Expert	**EcoStruxure** Power Monitoring Expert	**EcoStruxure** Power SCADA Operation	**EcoStruxure** Microgrid Operation	**EcoStruxure** Substation Operation
Connected Products			**9** Series — Final level of protection in electrical distribution	**Pact** Series — World Class Breakers & Switches	**PowerLogic** — Power Quality, Uptime & Efficiency	**Set** Series — Comprehensive, robust portfolio of power distribution and motor control centers	**Galaxy** — Uninterruptable 3-Phase Power for IT and Industrial applications

Flexible

to address the key challenges from safety, reliability, sustainability and cybersecurity

Scalable

from small facilities to the largest electro-intensive facilities

Open

to 3rd party devices and to integration with other operational systems

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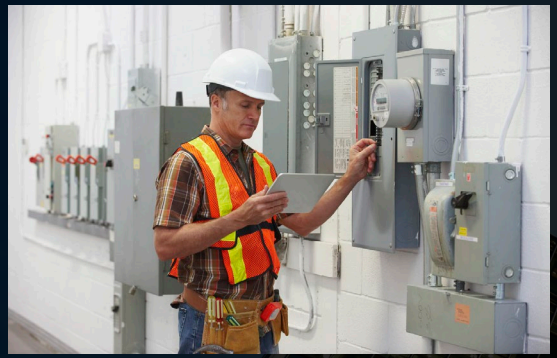
EcoStruxure™ Power

Leveraging digital to help improve…



Electrical safety

Safety is the top concern for all organizations. EcoStruxure Power enables augmented visibility into the conditions of the electrical distribution to help facility teams protect staff and occupants from electrical fires, shocks, and arc flashes.

Power availability

Business continuity and performance are the livelihoods of companies in the digital age. Power is essential to ensuring always-on operations and processes. EcoStruxure Power enhances operations staff to avoid downtime and improve the reliability of the electrical system.

Efficiency

Energy and labor represent the largest variable cost for most organizations. In addition, the trend towards greener facilities is an expectation instead of a niche. EcoStruxure Power helps improve energy performance, operational efficiency, and sustainability of facilities.

01

Protect people and assets

Protection and Safety

Power Factor Correction

Power Quality Correction

Internal

PowerLogic P5 and Easergy P3

Take electrical safety and protection to the next level

Unique Modularity

Evolutive design, plug-in design, built-in injection, reduced engineering

Smart and Secure

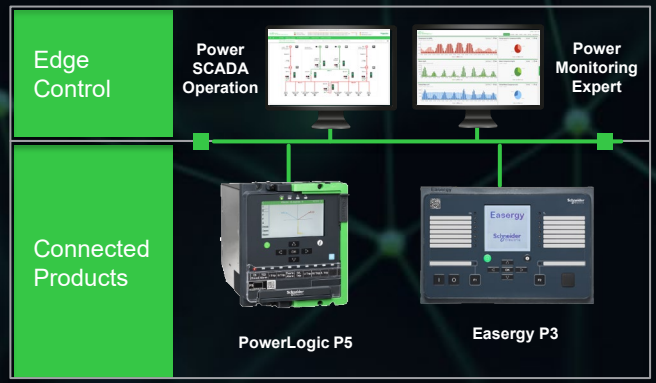
Multi-protocol, programmability and Cybersecurity compliance (IEC62443, Achilles),

Reliable & better maintainability

<10 min MTTR, extended operation profile,

Enhanced Safety

Embedded arc-flash protection, safer design, nearby control



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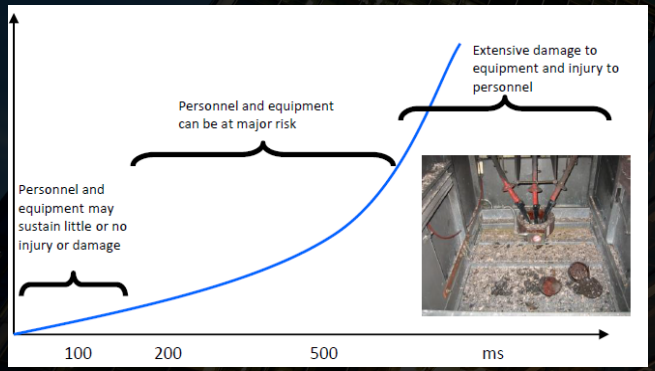
Arc Flash Protection

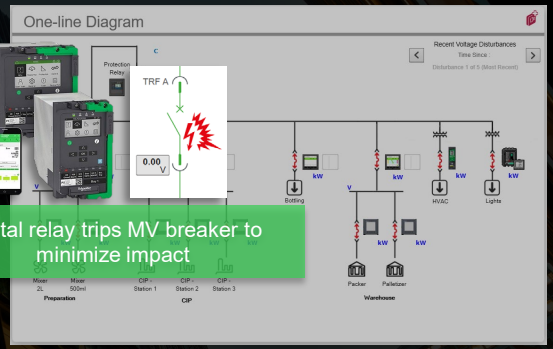
Help Protect Staff and Occupants

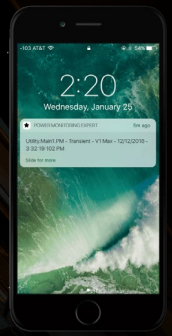
- Minimize the costs resulting from arc flash damages: downtime, repair time, interruption of processes and equipment
- Reduce or avoid personal injury due to arc flash events
- Improve safety during maintenance activities
- Get real-time visibility for fast response following arc flash events
- Improve arc flash awareness for maintenance teams: remote monitoring, alarming and notification
- Provide post arc flash event analysis

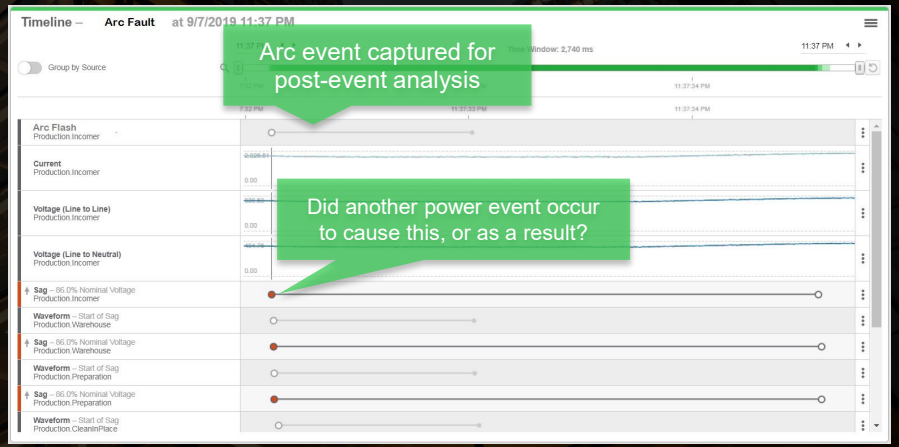


According to NFPA, 5-10 Arc Flash incidents occur every day in the USA

Operations notified of event







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02

Increase operational efficiency

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PowerLogic PFC Capacitor Banks

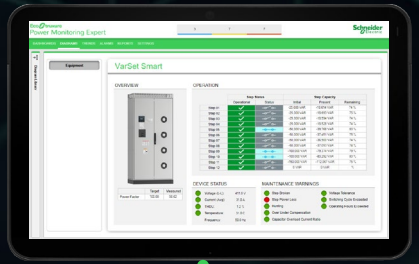
Smart Power Factor Correction

Green
Reduce carbon footprint and achieve sustainability goals

Smart
Self-monitoring to optimize maintenance and avoid downtime

Reliable
Best-in-class SE components for superior performance & life span

Safe
Uncompromised safety with best-in-class design



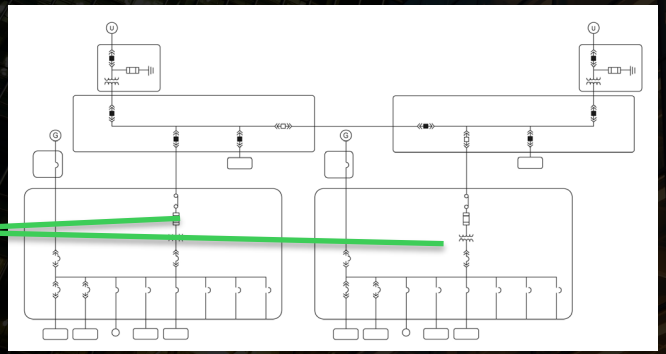
Internal

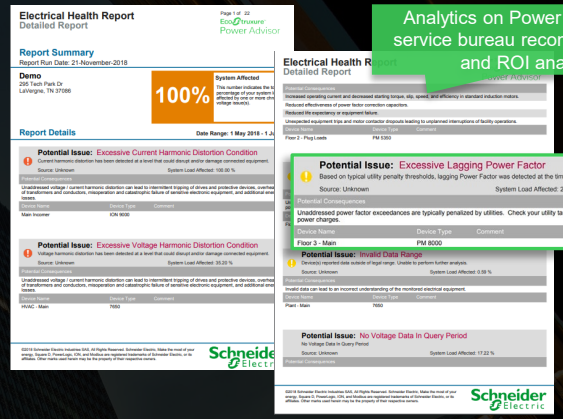
Power Factor Correction

Reduce Energy Usage, Co2 and Costs

- Many utilities penalize lagging Power Factor or reactive power consumption – Simple ROI story to start an energy cost management discussion.
- Leverage power metering on inductive loads and system monitoring software to measure leading and lagging power factor.
- Correct power factor with capacitor banks or individual capacitors installed in gear to avoid paying penalties.
- Simple calculable energy savings with fast payback.
- Simple diagnostics and alarming to help ensure proper capacitor operation and facilitate maintenance

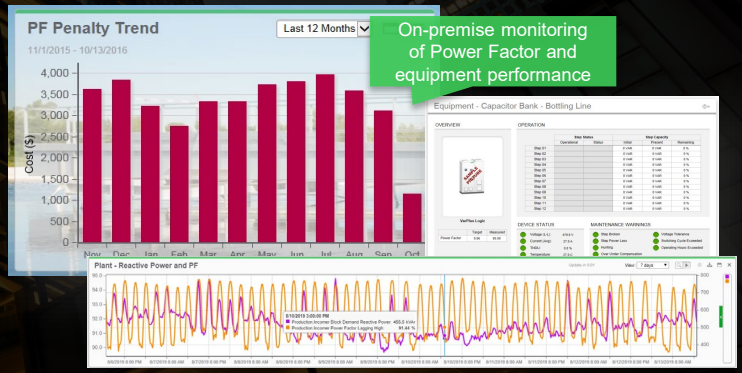
Connected Products





Analytics on Power Factor with service bureau recommendations and ROI analysis

Advisor Services



On-premise monitoring of Power Factor and equipment performance

Edge Control Software

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03

Improve reliability of the electrical network and asset life

Protection and Safety

Tangible Results
Information at your fingertips

Power Quality Correction

Internal

PowerLogic AccuSine (PCS+, PFV+, PCSn)

Active Compensation with Smart Power Electronics

Efficient and scalable

Multi-function, modular design and scalable to a changing network

Smart

Optimal setpoint tracking, seamless SW integration, remote troubleshooting

Reliable

Paralleling and redundancy. Multi-master architecture. Advanced thermal design

Compliant

Keep electrical parameters within prescribed limits ensuring a healthy grid

Power Quality Correction

Avoid unplanned downtime from electrical failure

- Help adhere with power quality compliance standards
- Helps ensure energy efficiency by optimizing transformer and cable capacities; reduces utility power factor penalties; and saves the cost of generation and transmission of reactive and harmonic current (non active currents)
- Correct abnormal voltage conditions such as over/under voltages, harmonics (THDi, THDu) and more that affect critical equipment like transformers, drives and PLCs.
- Protect sensitive equipment from brief interruptions with UPS systems.

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Comprehensive Power and Energy Management Portfolio

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