



PME 2020 What's New

PowerLogic Users Group Conference 2019 - Toronto

Kevin Huang – PME Global Offer Manager
Oct 2019

Innovation at Every Level: Power Monitoring Expert

Power Monitoring Expert (PME) brings edge control to power distribution

Apps, Analytics
& Services

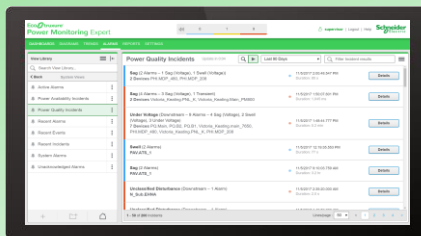


Power Advisor
Digital Services



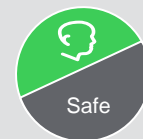
Edge Control

Power
Monitoring
Expert
(PME)



IP Communications Backbone

Connected
Products



Safe

Protect
People and
Assets



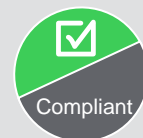
Reliable

Optimize
Business
continuity



Efficient

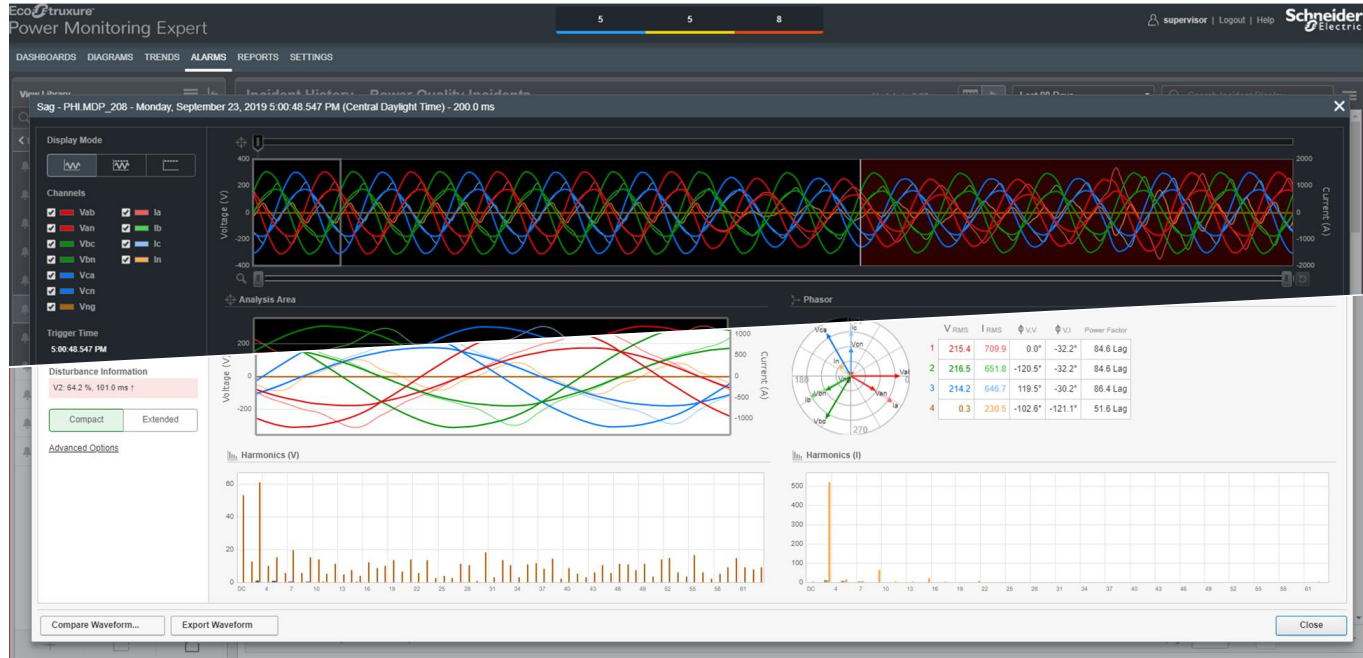
Maximize
Lifecycle
Efficiency



Compliant

Simplify
Regulatory
Compliance

EcoStruxure Power Monitoring Expert 2020



Release Date: Nov 30, 2019



Click [here](#) to learn how to version upgrade PME using Software Assurance

Innovation Themes

PME 9.0

Power Event Analysis

Multi Site Systems

Enhanced Energy
Management

Equipment Performance

IT Compliance

Lower Cost of Ownership

PME 2020

Thin Client Apps

ION Analytics

Interoperability

IT Compliance

Improved Productivity

Web Device Manager

The screenshot shows the 'Device Manager' interface with a table of devices. An 'Import...' button is highlighted with a callout box containing the following text:

- Import devices from csv to add/edit devices in bulk
- Support csv export from ION Setup

Communication Status	Type	Full Name	Site
/	Ethernet	Alarms.HSTC	N/A
/	Ethernet	Alarms.PreExisting	N/A
/	Ethernet	Alarms.RealTime	N/A
/	Serial	BreakerAging.NSXA	3/6.3 BreakerAging.NSXA
/	Ethernet	CM.4000T_84_247	127.0.0.1:502 CM4000 Series N/A

New Notification Engine

The screenshot shows the 'Notifications' interface with a callout box stating: 'Native in PME without separate installation, and integrate with alarm views'. Below the callout, there is a 'Add Notification Rule' button and a table of notification rules.

Rule Name	Alarm View
PQ	Incident History – Power Quality Incidents [New Activity] Operator

1. Set up alarm view
2. Add alarm view to notification rule
3. Add recipients, template and schedule
4. Receive notification when alarm view has new alarm



The screenshot shows a notification email with the following content:

Device Communication - 2 Alarms
 Notification sent at: 7/11/2019 6:35:57 | [\(More Details\)](#)

- Communication Status (Offline)** 7/11/2019 6:35:44 PM
 Test.IONE7650_Meter2 **Active**
- Communication Status (Offline)**
 Test.IONE7650_Meter1

This is an auto-generated message
www.schneider-electric.com

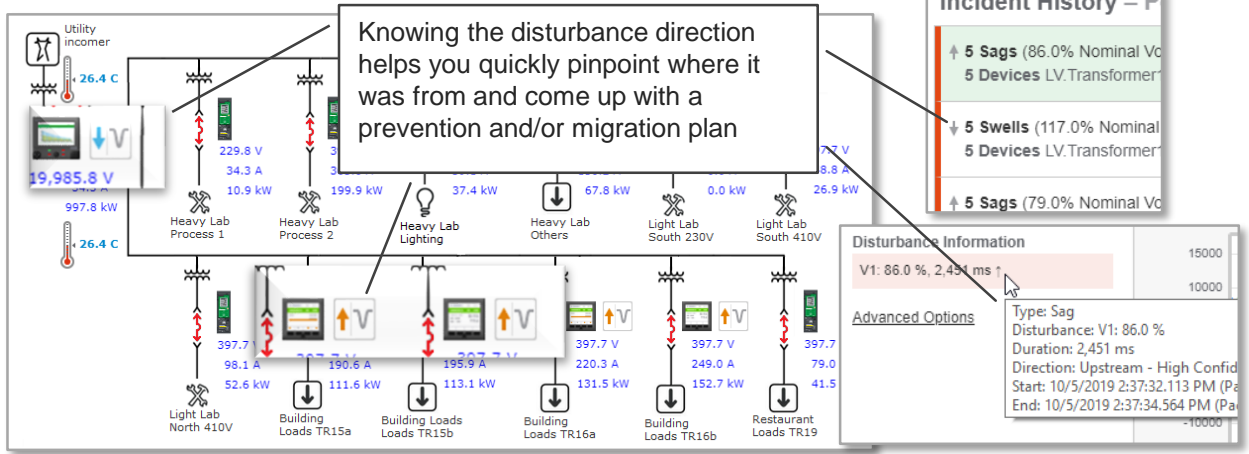
A callout box points to the 'More Details' link, stating: 'Direct link to the alarm view for further analysis'.

Web Device Configuration

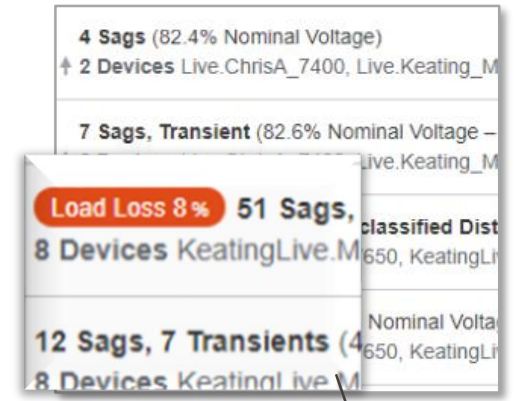
The screenshot shows the 'Power Quality Setup' for device HST.9000T. It has two main sections: 'Common' and 'Sag/swell'. A callout box points to the 'Nominal voltage' field, stating: 'Configure devices directly from Diagrams app'. Another callout box points to the 'Enable Harmonics Logging' checkbox, which is checked.

Common		Sag/swell	
Nominal voltage	120.00 V	Swell limit	110 % of Nominal Voltage
Nominal frequency	60 Hz	Sag limit	90 % of Nominal Voltage
PT primary	120.00	Sag/Swell Detection	Disabled
PT secondary	120.00	Rapid Voltage Change Threshold	5 % of Nominal Voltage
CT primary	5.00	Rapid Voltage Change Enabled	No
CT secondary	5.00		

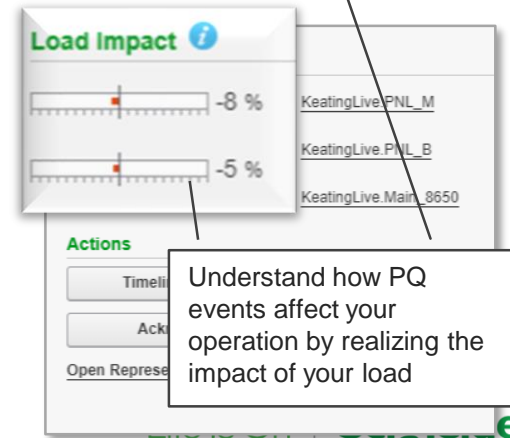
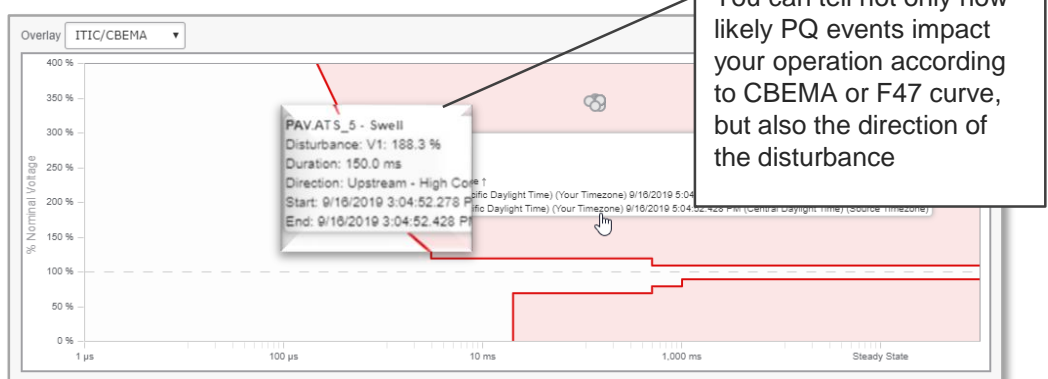
Disturbance Direction Detection



Load Loss Detection

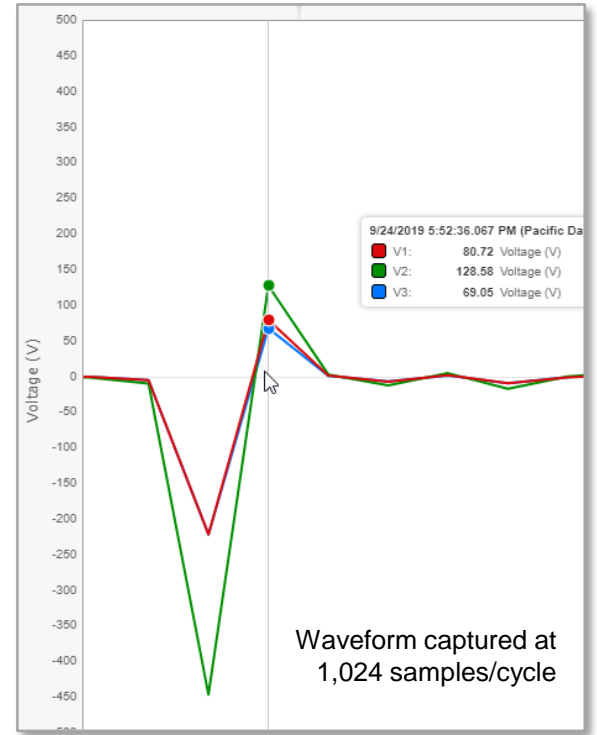
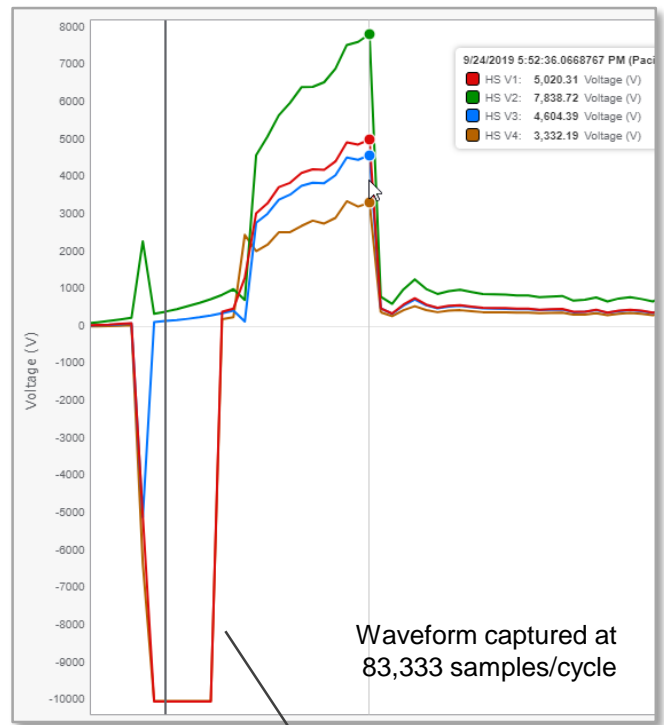
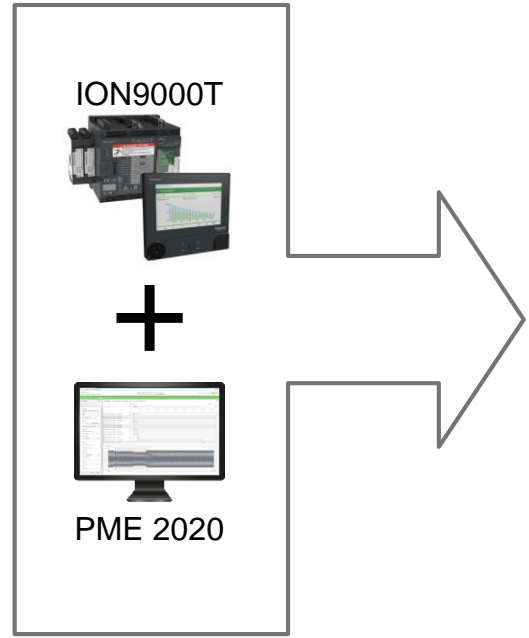


PQ Tolerance



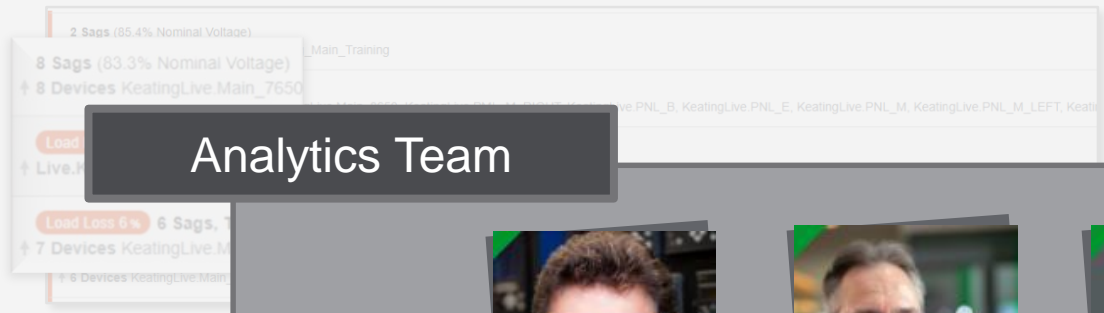
Understand how PQ events affect your operation by realizing the impact of your load

High Speed Transient Capture

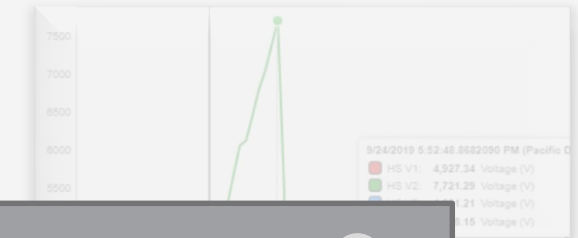


Understand more conclusively the magnitude, duration and initial polarity of extremely fast transient voltage events

Load Loss Detection



High Speed Transient Capture



Analytics Team

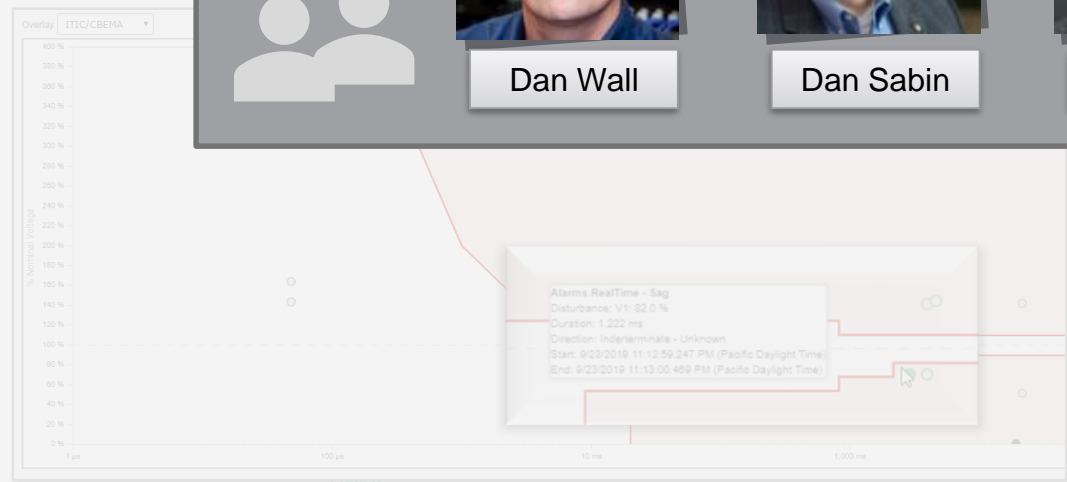
Placeholder icons for team members.

Dan Wall

Dan Sabin

Jon Bickel

PQ Tolerance



User Privilege Management

User Manager

USERS USER GROUPS LICENSES **PRIVILEGES**

Save Privileges Reset Privileges

Privilege Name	Observer	User	Controller	Operator	Supervisor
Management Console					
Access the Management Console (view system configuration)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Manage the configuration of the system	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Connect/disconnect sites and devices	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Server Management Tools					
Access the Manual Data Editor	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Access the Alarm Deactivation tool	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Fine tunes what each user group can access what application

IEC 62443 Compliance

Lvl	Target
4	Nation State
3	Hacktivist, Terrorist
2	Cybercrime, Hacker
1	Casual Violations

75% compliance

Certified compliance

Security Settings

Login Options

Set system login options for Windows and standard users.

NOTE: To configure Windows and standard user accounts, you must have administrative access to the system.

Windows Users

- Manual Login Only
- One-Click Login Only
- Manual Login and One-Click Login

Windows users can log into the system by manually entering their credentials.

Standard Users

NOTE: There must be at least one Windows user with the Standard Users role.

Allow Standard users to log into the system

Security Options

Set various security options for the application.

Encrypt SQL Connections

There are 2 settings that can be added to the database connection string when installed on the database server. If this is set to false then the connections will not be encrypted.

Use Encryption on database connections

Database connections will not be encrypted.

Session Timeout

Set a session timeout to automatically disconnect inactive clients. Users must enter the login credentials.

NOTE: A session is considered inactive when none of the following activities occur:

- Mouse movement
- Mouse click
- Keyboard activity
- Touch screen activity

Web Applications

Set session timeout for Web applications

Timeout Period (minutes)

20

Users are automatically logged out after 20 minutes.

More configurable security settings to comply with your IT requirements


Latest OS Support

Windows Server 2019

~~Windows 7~~



Modbus TCP Support in Modbus Slave

 VIP Modbus Slave module supports Modbus TCP

Enables PME to communicate with a Modbus master over Modbus TCP



Data over Modbus TCP



More Data Export Options

Measurement Aggregation Export

Sources None Selected

Measurements None Selected

Reporting Period Last 7 Days [start of day: 10/1/2019 to end of day: 10/7/2019]

Rollup

Non Cumulative Measurement Calculation No

Select Time of Use Schedule No Time of Use Schedules found

Include Empty Intervals Yes No

Base Interval

Export File Path

Export Format

Aggregation method and interval options for both cumulative and non cumulative measurements

New Tidy format export option that works best with Power BI while CSV export option for you to bring data to your other systems

Access Online Help 24/7

Navigation panel and search bar to find content quickly

Mobile friendly design for your tablets and smart phones.

One place to access all PME information and documentation

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User Personalization Settings

Select own theme color and turn on dark mode

Digital Service Plans

	Standard	Prime	Ultra
Ongoing Support and Troubleshooting Enjoy peace of mind knowing superior technical support is always available			
Basic Product Support (phone and email; 8am-8pm EST)	•	•	•
Direct access to Advanced Support & priority case escalation		•	•
Remote Access Troubleshooting		•	•
Dedicated Senior Support Engineer			•
24x7 Support		Option	Option
Software Assurance ¹	Option	•	•
Robust Training Options Get the most from your system with training online, on-site or at one of our state-of-the-art training centres			
Self-Help Web Portal	•	•	•
On-Demand Online Training Classes	Option	•	•
Power Management University Training Classes	Option	Discounted	Discounted
Proactive Diagnostics and Maintenance Ensure your system is functioning at peak performance and identify issues before they become problems			
On-site preventative, condition based maintenance (Days per year) ²	Option	Option (2)	Option (4)
Power Advisor System & Network Analysis (Executions per year)	Option	2	4
Real-Time Monitoring through Mission Control			•
Software Diagnostics (Disc usage, server, communication status) Report			•
Energy Management Services Work with our experts to customize and maintain your energy management system to meet your individual needs			
Expert design and customization services (remote)	Option	Discounted	Discounted

Life Is On



Schneider
Electric

