



# Power Events Analysis

Get things back to normal faster than ever before



# Large Hospital

Increases Reliability Using PME



## Customer Challenge

- Implement a power management system to monitor input power and automatically turn on the EPSS for
- maximal reliability and uptime.

## The Solution

- EcoStruxure™ Power Monitoring Expert
- PowerLogic Meters: ION7650, ION7550 and PM8000

## The Results (ROI: 6 months)

- Automatic EPSS control for maximal uptime in the case of loss of utility power
- Automated report generation sent to required agencies
- Monitoring of power quality to resolve issues before they grow larger

With the first phase of the project complete, the next step is to expand monitoring and control capabilities to the remaining generators and transfer switches in the system to form a more complete EPSS

**EcoStruxure™**  
Innovation At Every Level

**Power**

Apps,  
analytics,  
and services

Edge  
control

Connected  
products



EcoStruxure™  
Power Monitoring  
Expert



PowerLogic power and  
energy meters

# Smart Alarm Clustering

More Information

More Data

## Incidents

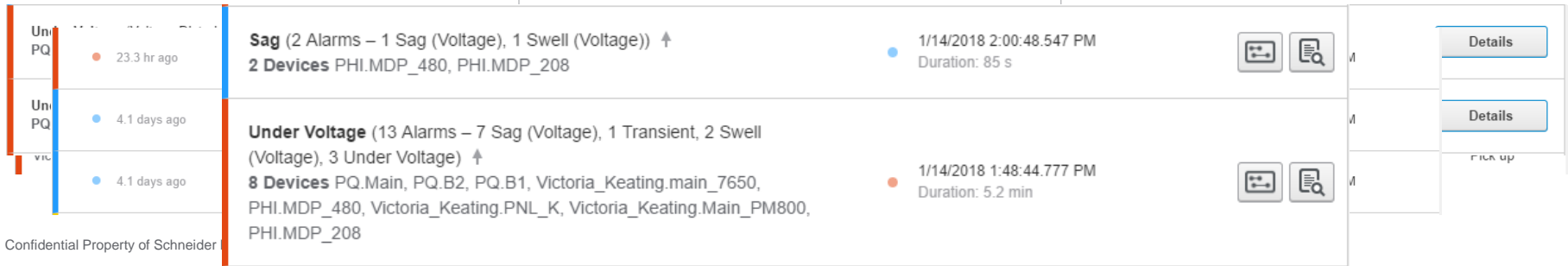
- Grouping of multiple alarm instances over time.
- 1 to N sources and 1 to N alarms instances
- Minimizes noise and speeds up event analysis
- Starting point for “Incident Timeline Analysis”

## Alarms

- **New Alarm definition** concept, defines properties and source
- Alarm occurrences are instances of a definition, includes timestamp
- **New instance** increments number of occurrences, no new entry in alarm viewer
- History vs Status views
- Priority: e.g. Low, medium, high

## Events

- **No change** from previous versions
- Single “event” in time from a single source
- View similar to Global event viewer
- Raw details as they come from devices and software
- Priority 0 to 255



# Smart Alarm Visualization

New Web Alarm Viewer simplifies and speeds up analysis of incidents impacting the facility

The screenshot displays the 'Incident History - Power Quality' page. On the left is a 'View Library' sidebar with categories like 'Active Alarms', 'All Alarms', 'AV\_SystemView\_ClutterIncidents', 'Power Availability Incidents', 'Power Quality Incidents' (highlighted), 'Recent Alarms', 'Recent Events', 'Recent Incidents', 'System Alarms', and 'Unacknowledged Alarms'. The main area shows a list of incidents with details such as 'Sag, Swell (186.7% Nominal Voltage - 2 Alarms)', '3 Under Voltages, 3 Sags, 2 Unclassified Dis...', '2 Sags, 2 Swells (149.2% Nominal Voltage - 4 Alarms)', '2 Swells PAV.ATS\_1', '2 Sags PAV.ATS\_1', 'Unclassified Disturbance N\_Sub.EHNA', and 'Unclassified Disturbance N\_Sub.EHNA'. A right-hand pane shows a 'Card view' of incidents with details like '6 days 20 hr ago' and 'Duration: 1 min 25 sec'. Callouts provide additional context: 'Navigation and configuration using NEW shared library concept with predefined views' points to the sidebar; 'Incident views - smart rollup of simultaneous alarms from multiple devices' points to the 'Power Quality Incidents' category; 'Card view displays key high level information for the alarm/incident' points to the incident list; 'New filtering capabilities, keywords, alarm categories. live vs inspection mode' points to the search bar; and 'Full HTML5. Each view accessible with unique URL to embed alarm views in other applications' points to the bottom of the interface.

Navigation and configuration using NEW shared library concept with predefined views

Incident views – smart rollup of simultaneous alarms from multiple devices

“Card view” displays key high level information for the alarm/incident

New filtering capabilities, keywords, alarm categories. live vs inspection mode

Full HTML5. Each view accessible with unique URL to embed alarm views in other applications

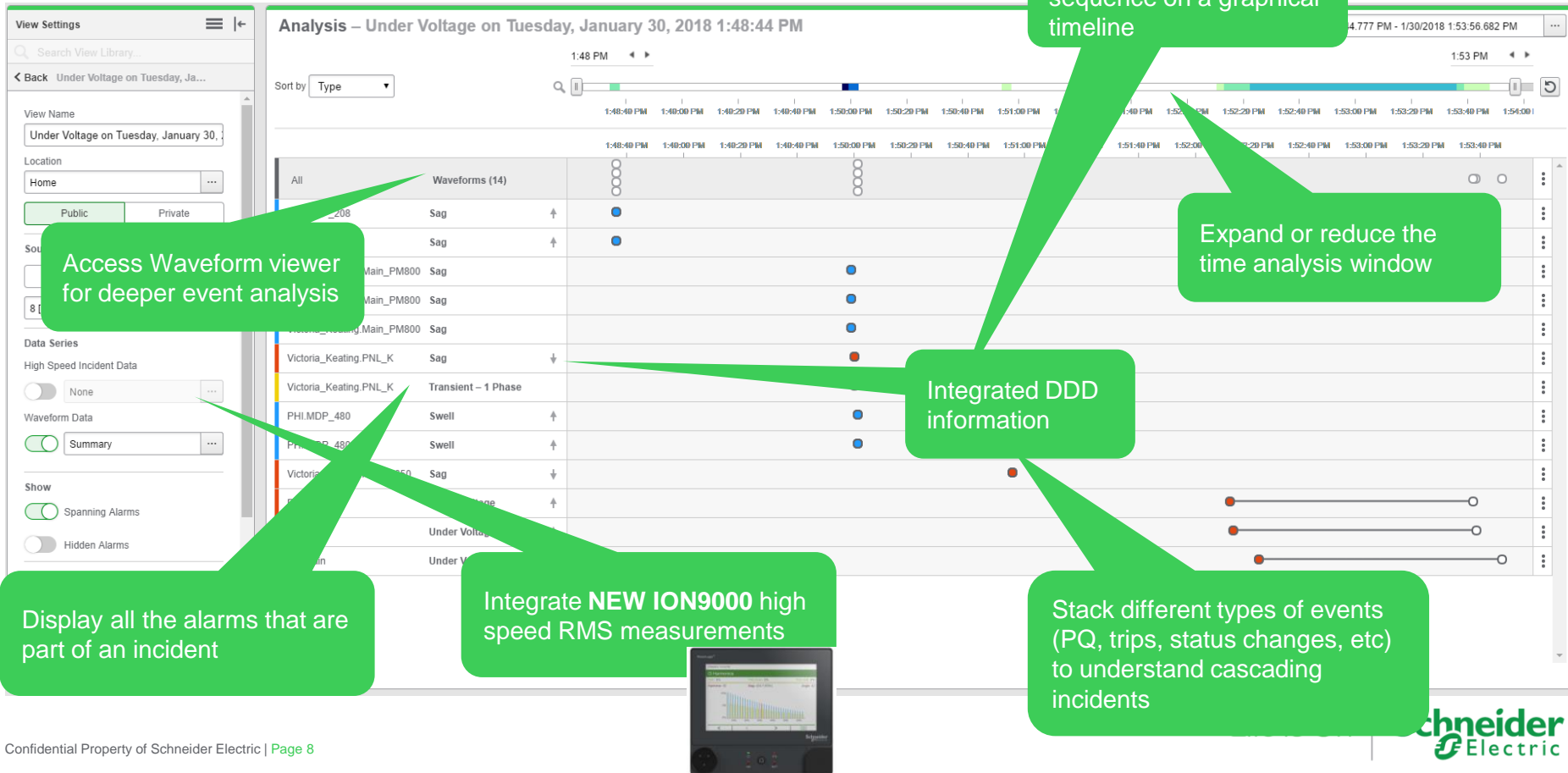
Confidential Property of Schneider Electric | Page 7

1 - 50 of 200 Incidents (Max records: 200)

Lines/page: 50

hneider Electric

# Incident Timeline Analysis



# New Alarm and Incident Summaries

## Where, What and When of Alarms



# New Alarm and Incident Summaries (Cont.)

Where, What and When of Incidents

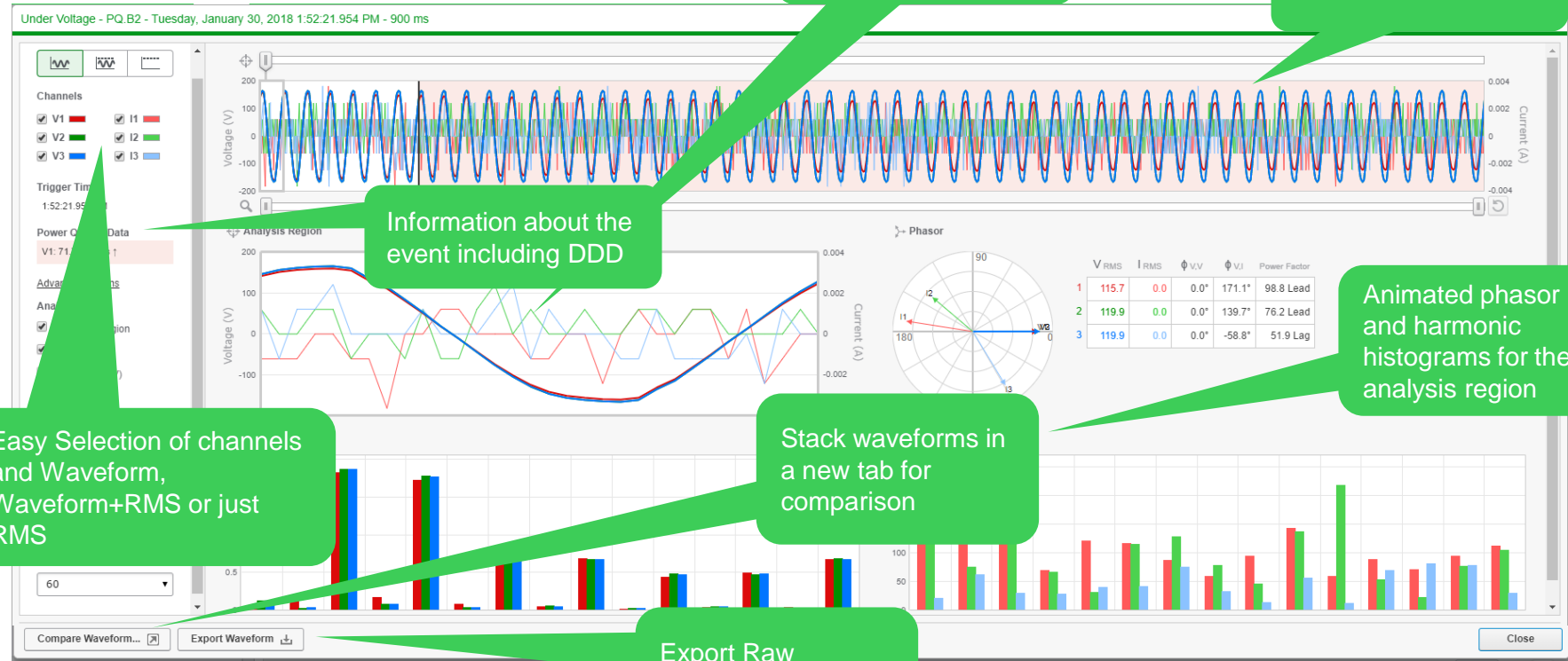


Life Is On

Schneider  
Electric

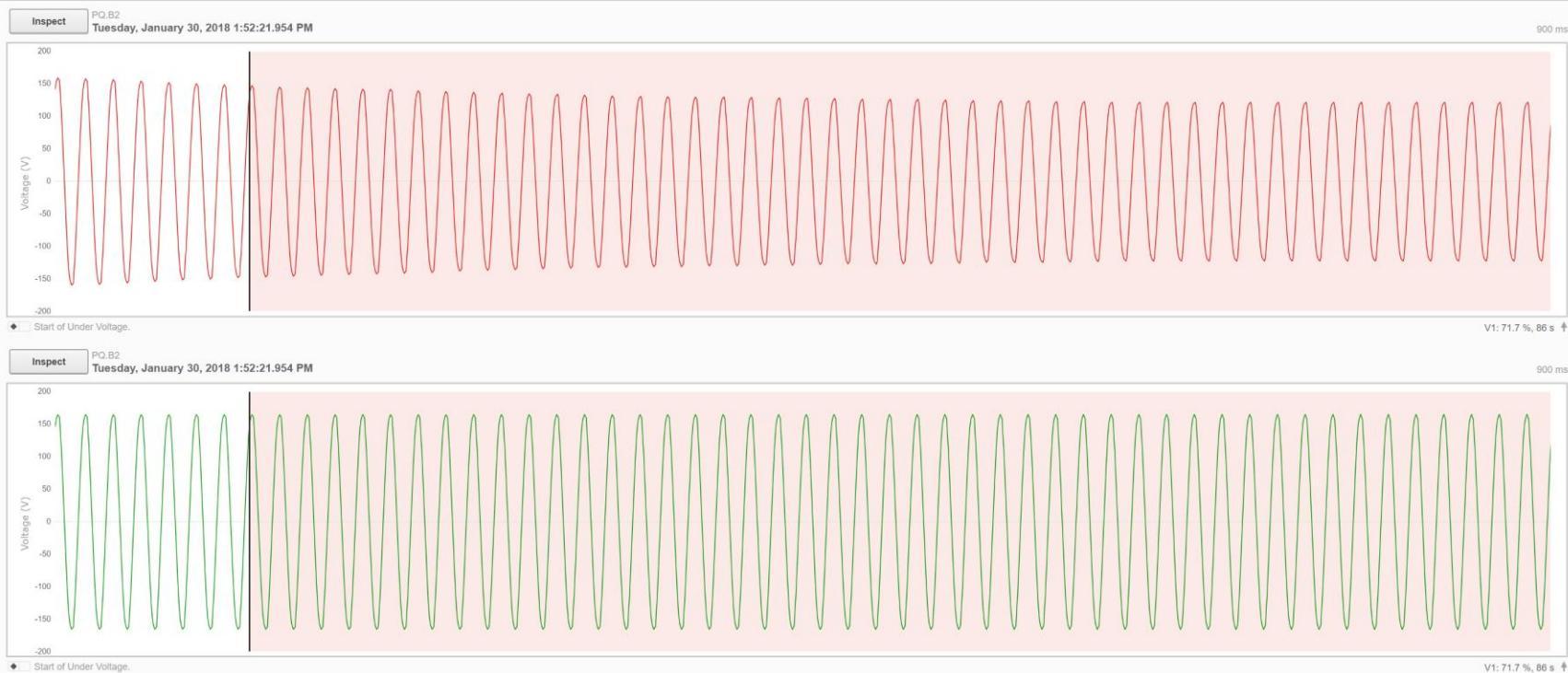


# New Web Waveform Viewer

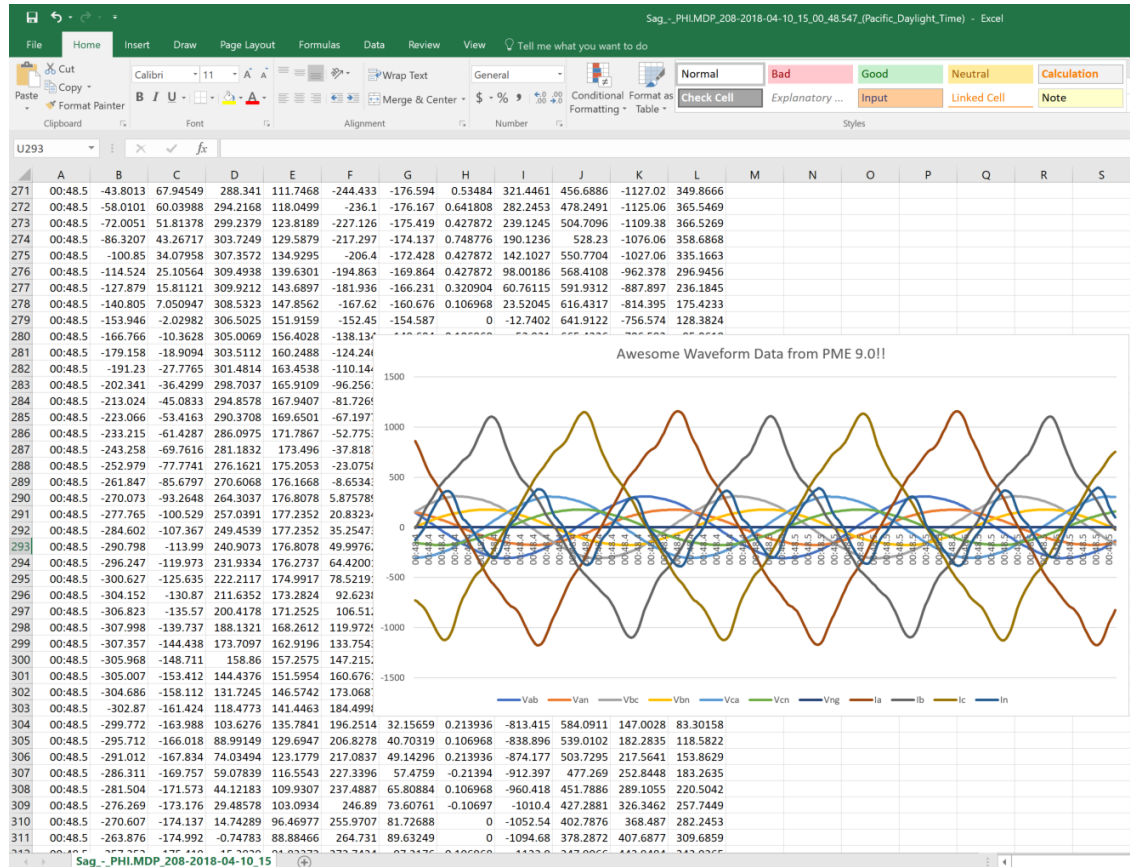


# Waveform Viewer Comparison View

Print format ready



# Waveform Data Export (CSV)



# Further Information

## Power and Energy Management Solutions

Start saving today with a comprehensive, flexible, and integrated energy and power management system. From single energy meters, to integrated software for intelligent analytics, and power quality correction solutions, our portfolio of EcoStruxure Power products can help you take control.



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