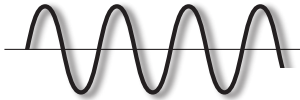


# Events Happen...

(in milliseconds)

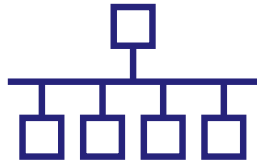
I ♥ 1588<sup>SM</sup>

## The History of Power Monitoring...



Waveform capture

1990s



Web-enabled

2000s

1ms



Precision timing

Today

**CyTime™**  
Sequence of  
Events Recorder



## Power monitoring at the speed of *NOW!*

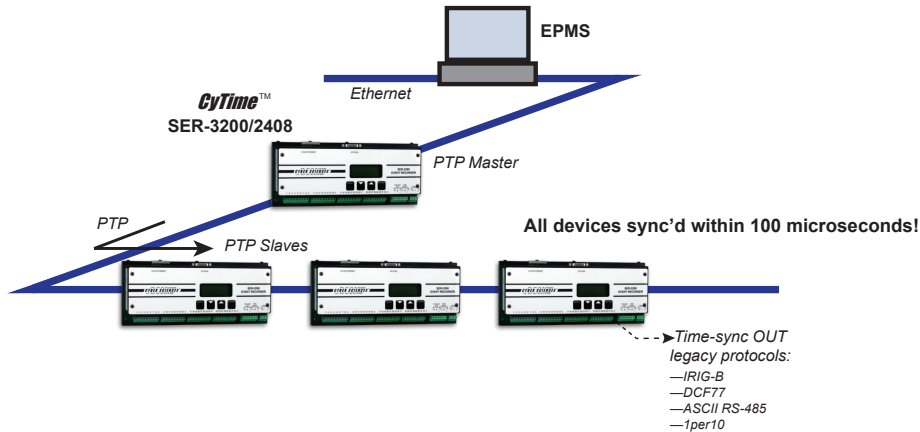
Diagnose root cause, verify auto-controls operate as designed, identify slow breakers before they increase arc flash hazard. Precision Time Protocol (PTP), per IEEE 1588, enables 1-ms time-sync over Ethernet.

Download our 20-page white paper on PTP and you'll ♥ 1588 too:

**CYBER SCIENCES™**

[www.cyber-sciences.com/history](http://www.cyber-sciences.com/history)

**CyTime™ Sequence of Events Recorders** are an essential part of an Electrical Power Management System (EPMS). High-speed digital I/O (32) monitor the status of circuit breakers, relays, generators, or UPS equipment. PTP (per IEEE 1588) enables automatic time synchronization over Ethernet to 1 ms. Specifically, Cyber Sciences proposes the “Simple PTP” profile (SPTP), which achieves hi-res time sync without special Ethernet switches. Have relays and meters that don’t support PTP yet? No problem. An SER-3200/2408 can accept PTP, then output the legacy protocol required.



Let us help with your next power monitoring project:

**FREE**—design assistance for Sequence of Events Recording systems

**FREE**—online technical library and training courses, 24/7

**FREE**—responsive tech support via email, phone or fax

**CYBER SCIENCES™**

Download our 20-page white paper on PTP (IEEE 1588):

[www.cyber-sciences.com/history](http://www.cyber-sciences.com/history)

Precision Timing for Reliable Power. **Enabled.™**

## For More Info...

### INTRODUCTION

PTP-Enabled SER Presentation

PTP-Enabled SER Data Sheet

CyTime SER-3200/2408 Data Sheet

### INSTRUCTION BULLETINS

CyTime User's Guide

CyTime Reference Guide

### TECH NOTES (White Papers)

PTP-Enabled Hi-Res Time-Sync

Measuring Breaker Opening Times

Legacy Time Codes (e.g., IRIG-B)

### LEARNING

Online Demo

Online Technical Training

AngryMoles or SockMonkey games

(Exciting games to illustrate SER)