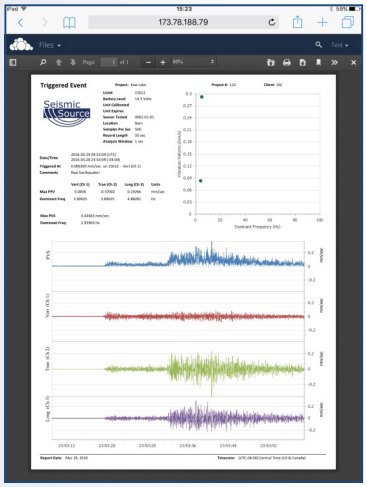
Seismic Cloud Software

Use the Seismic Cloud *for Vibration & Acoustic Monitoring*



Problems Solved

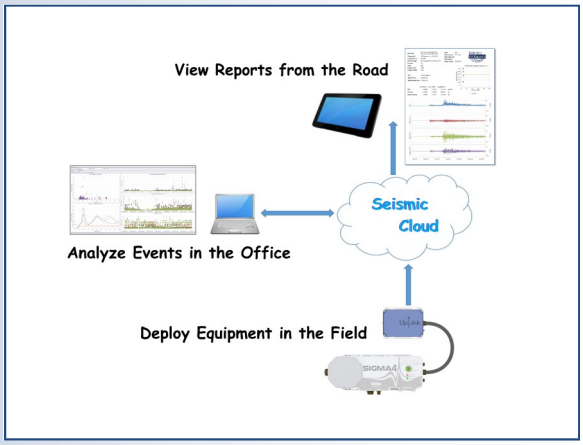
The **Seismic Cloud System** from Seismic Source provides a tool for managing a series of seismograph stations. These stations can be near or far, but their data is immediately accessible. The SCS cloud-based architecture provides:

- Convenient access to seismographs
- Email alerts based on user-programmed tolerances
- Easy access to event information from anywhere

Cloud Software

The Seismic Source **Seismic Cloud System** is built using leading edge software. This includes modules for:

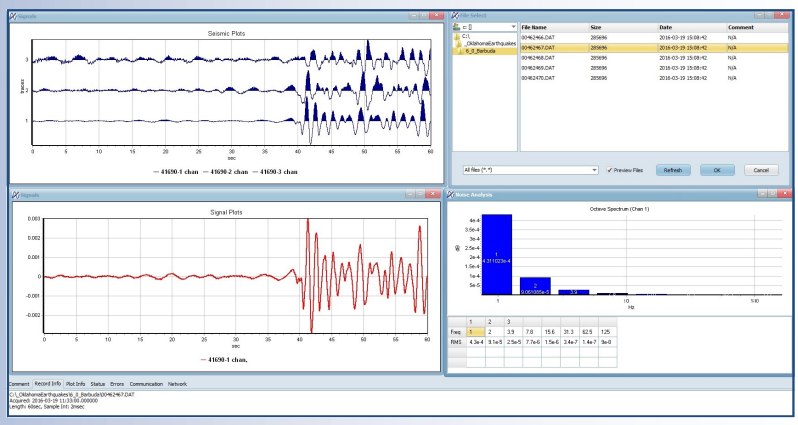
- In the Field: ***Setup Dashboard*** to configure and deploy seismograph nodes
- In the Office: ***Production Dashboard*** to analyze, evaluate, and manage detected events
- On the Road: Use any device with Internet access the database and view stored event reports



System Results

This software, plus some seismograph nodes, make the **Seismic Cloud System** the most advanced seismic monitoring system available. This system has:

- Cloud based software for checking on system status and viewing events from any device with Internet access
- Flexible software for monitoring system and generating event reports
- Office software for inspecting and quantitatively evaluating seismic data



Powerful Software for Seismic Monitoring

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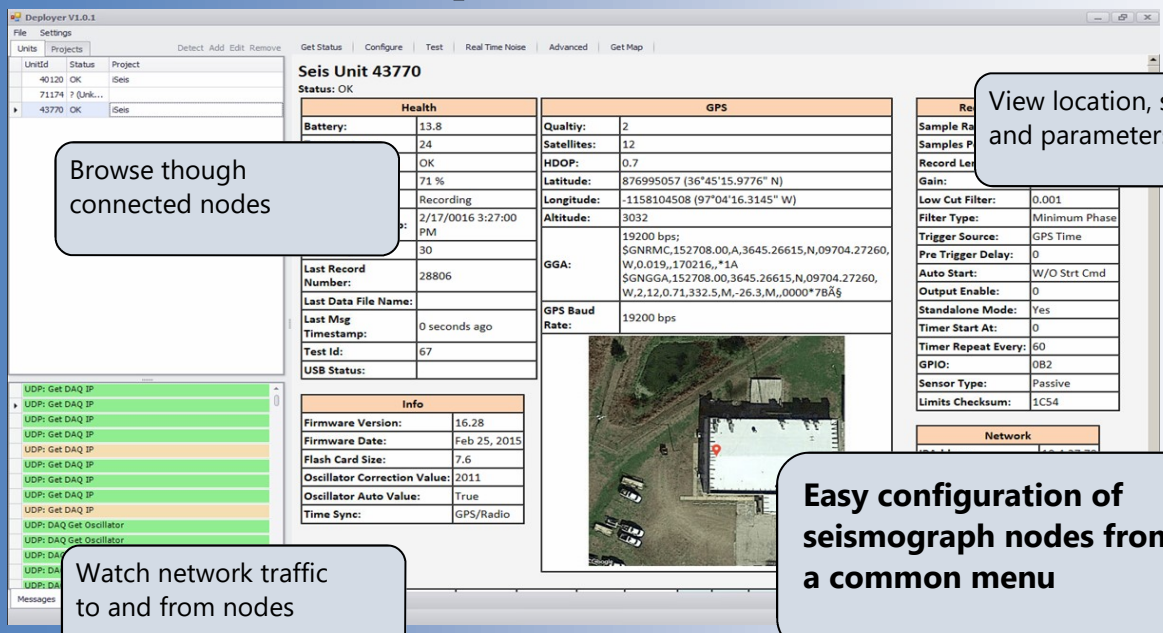
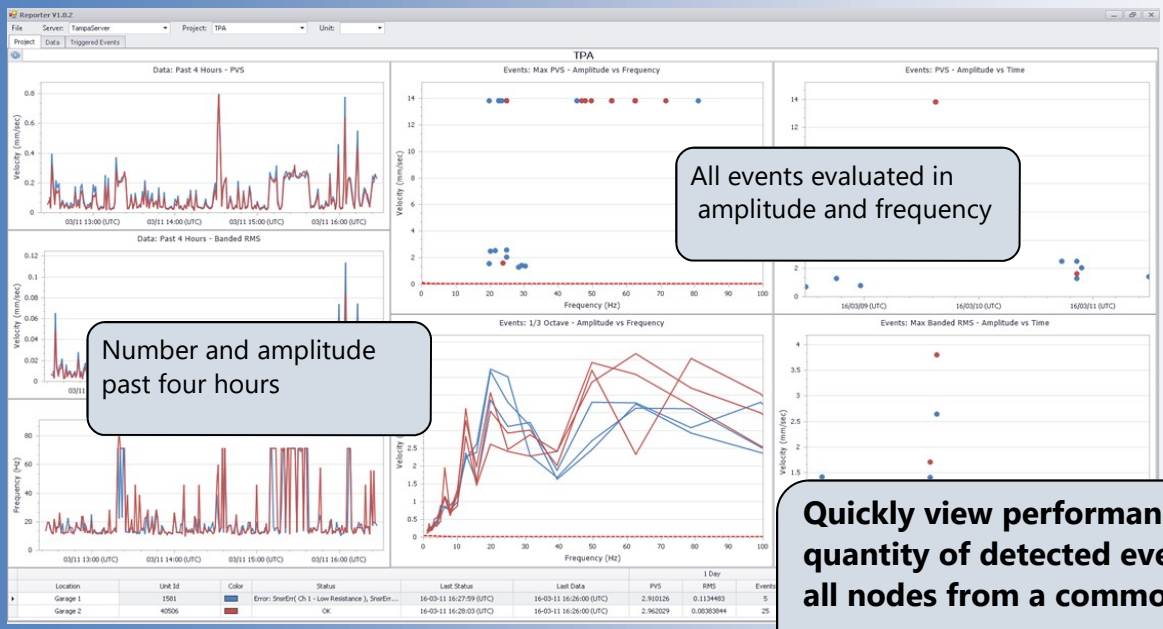
Seismic Cloud Control

Setup Dashboard



Easy configuration of seismograph nodes from a common menu

Production Dashboard



Quickly view performance and quantity of detected events on all nodes from a common menu

Drill-Down Visualization

Browse through Events

Events sorted by frequency and amplitude

Events sorted by time and rated by PPV, PVS and spectral content

Drill down into the history of acquired events for quality and quantity

Events sorted by velocity and frequency

Analyze an Event

List of events sorted by time of detection

WTVA display of event

Event analyzed by PPV, PVS and spectral bands

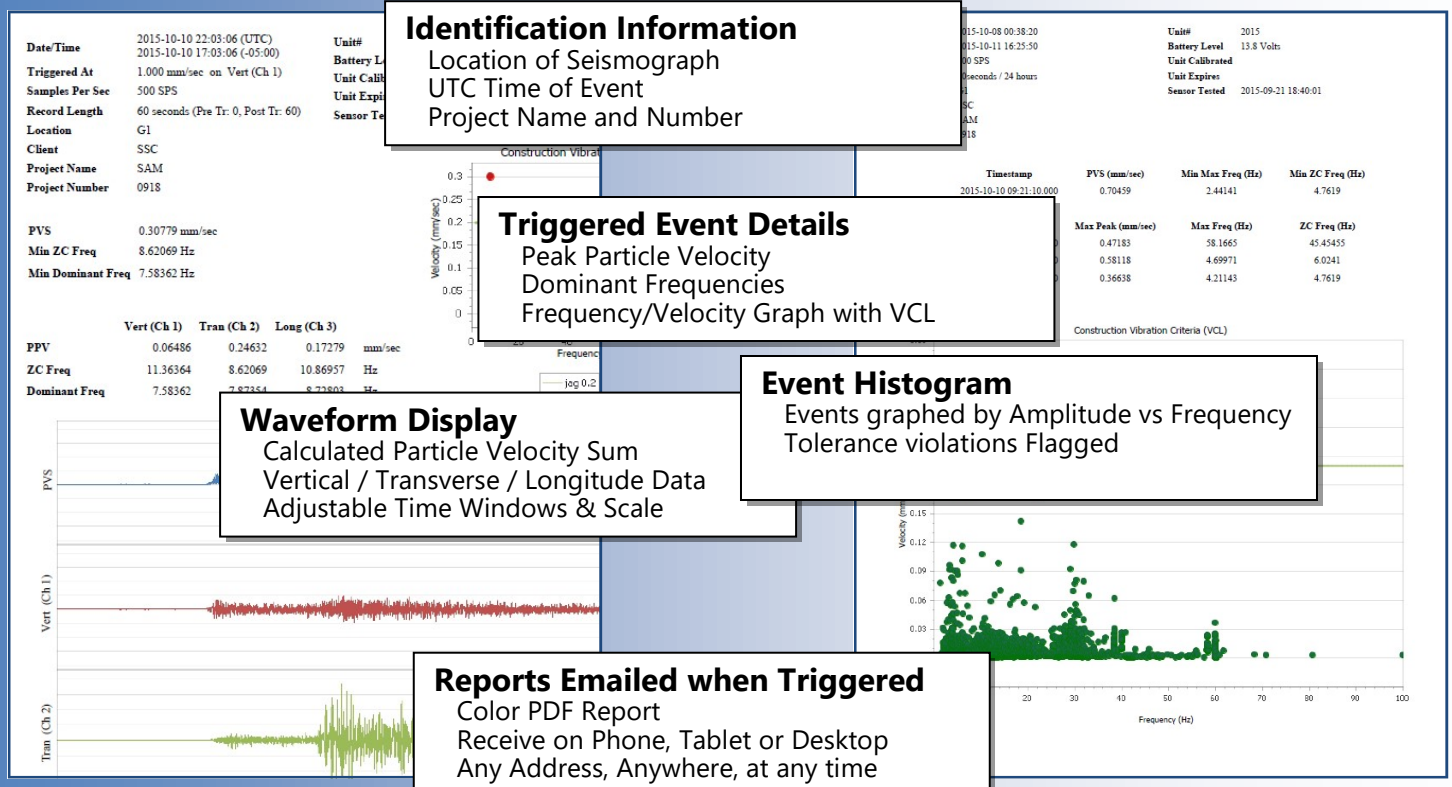
Event analyzed by amplitude and frequency

Select an individual event to analyze its amplitude, frequency, character and validity

Seismic Cloud Software

Event Reports

Summary Reports



Identification Information
- Location of Seismograph
- UTC Time of Event
- Project Name and Number

Triggered Event Details
- Peak Particle Velocity
- Dominant Frequencies
- Frequency/Velocity Graph with VCL

Waveform Display
- Calculated Particle Velocity Sum
- Vertical / Transverse / Longitude Data
- Adjustable Time Windows & Scale

Event Histogram
- Events graphed by Amplitude vs Frequency
- Tolerance violations Flagged

Reports Emailed when Triggered
- Color PDF Report
- Receive on Phone, Tablet or Desktop
- Any Address, Anywhere, at any time

Seismograph Options

The **Seismic Cloud System** utilizes instruments from the Seismic Source line of seismographs, so each system can be customized for any need or situation:

- Sigma 3 - Three channels and field rugged
- DAQ3-3 - Three channels for permanent installation
- DAQlink 4 - 24 channels and high samples rates
- DAQ4-4 - three channels with internal sensors and batteries
- R Node - 1 to 6 channels with space for user options

All of these seismographs use any sensor, and can be configured with geophones, accelerometers or hydrophones