

PPV Monitoring

Monitoring Energy Output at the Source



Monitor Source Strength in Real-Time

The PPV Monitoring System places a Sigma 4 seismograph between the source and the asset to be protected. As the source starts, data is wirelessly transmitted to the tablet for analysis and display. At the first sign of a violation, source activity can be halted by the operator.

Leading Edge Hardware Collects Data

The digitizing system is a Sigma 4 nodal seismograph. This system includes a 3C 2Hz geophone and a 24 bit seismic recording system with internal battery, GPS, and Wi-Fi transmitter.

Instant Results Displayed for Operator

Adding a small Wi-Fi module to the Sigma 4 lets the unit send the Peak Particle Velocity (PPV) data to the Android tablet. This allows real time analysis and viewing of the PPV levels for faster on-site decisions.

Event Monitor Analysis

The data from the Sigma4 can be downloaded into the Event Monitor software package for post-processing. This software compares the PPV observed PPV levels to legal limits. Event Monitor analyzes the vibration data, generating plots and analysis, and finally outputs a report for the crew and client.

