

## AEwin™ | Comprehensive, Versatile & Friendly AE Software

### AEWIN™ FEATURES OVERVIEW

AEwin™ is a Windows™ compatible (XP, Windows 8, and Windows 7) software for real-time “simultaneous” Acoustic Emission (AE) feature and waveform processing, display, fast storage and replay. Used for true, real-time operation and control with your MISTRAS AE Systems (Express-8, PCI2, SAMOS, SH II, SH III, AE USB Node, Wireless AE Node).

AEwin™ also features complete compatibility with MISTRAS’ standard data file format (DTA), allowing you to replay and analyze your previously collected AE files and framework for easily adding graphs and additional graph screens and user controllable tool bars including: setup icons, acquisition control, line listing, status and statistics. Includes real-time connectivity with Industrial Control Systems (Modbus, OPC)

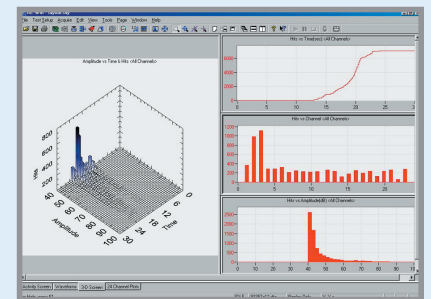
### GRAPHIC CAPABILITIES

- Exceptional 2-D and 3-D graphing capabilities that allow the setup of multiple graphs on a screen, limited only by the screen resolution
- Toggling between multiple screens by selecting a user-labeled tab

- Mouse-driven “Data Selection” features that allows designation of hits, waveforms and events from graphs for detailed analysis and filtered export
- Ability to set up and individually size (on screen) many different types of graphs including: 2-D line graphs, histograms, point plots, waveforms, FFTs, overlays, multiple plots on a single graph and color options
- Arrange multiple graphs on a screen
- Expandable to full screen with zooming and panning for close-up analysis
- Full cursor readout capability
- Alarms triggered by graph data

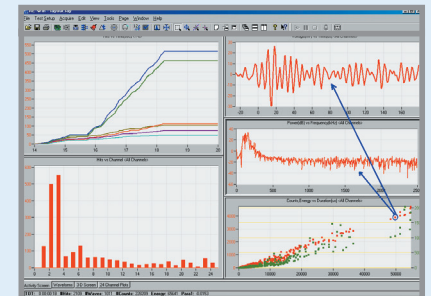
### LOCATION & CLUSTERING OPTION

- 1, 2 and 3 dimensional location modes
- Allows setup of multiple location groups
- Provides mouse-oriented sensor placement and editing features
- Allows selection of type of structure (plate, vessel, etc.) for setup, viewing & location
- Incorporates attenuation profiling into location software (to view a sensor coverage map and provide source amplitude info)



**Above:** AEwin’s 3-D graphing capability allows the graph to be rotated freely, using the mouse.

**Below:** A typical activity screen with both AE features and waveforms, processed with a simple mouse clickz for any specific hit.



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