

## Demonstrative Evidence

MDE offers an entire spectrum of cutting edge digital graphics, animation and interactive visualization tools to deliver even the most complex information with stunning crystal clarity. Engineers and technical experts collaborate to offer these highly credible visual aids which not only find use as courtroom exhibits, but have proven to be extremely effective for use in witness interviews. Our areas of expertise include:

### Digital Graphics

- Reconstruction of never created, damaged or no longer existing structures or equipment
- Visualization of mechanisms and concepts that are near impossible or impractical to otherwise view.
- Forensic three-dimensional digital reconstruction of catastrophic loss sites
- High-resolution 360° panoramic site photos that allow interactive navigation in and around a site
- Conceptual graphics and animation illustrating technical processes (e.g. chemical reactions, thermodynamic interactions, etc.)
- Traditional graphics: charts, technical illustrations, diagrams, color prints, mounted boards, etc.
- Photo Editing: merging, high-lighting, arrows, labels, oversize prints, etc.

### Digital Animations/Simulations

- Navigable digital environments that allow precise and interactive recreation of witness perspectives and experiences
- Animated event recreations based on case data, scientific research and mathematical simulations
- Animated and interactive visualization of complex mechanisms and failure scenarios
- FDS Fire Dynamic Simulator for fire mathematical modeling
- PC Crash and HVE-2D for vehicle accident reconstruction
- Crash Zone and Pocket Zone for Total Station 3D scene documentation

### Scale Models

- Topographical models
- Accident scene models
- Machinery models
- Cut-away models of products or machinery
- Full scale models for further testing and analysis

### Consulting

- On site review of scene or equipment for measurements, photos, and feasibility
- Dissection and analysis of visual media produced by others
- Management of projects and their resources
- Technical support for all of our demonstrative evidence.

