

# Litigation Support

## Preparing for Litigation

Industrial accidents generally involve failure or breakdown of equipment, controls, operating policies and procedures, and/or human error or intent. Often there are simultaneous failures or inappropriate acts within more than one of these facets.

During litigation, it is necessary to sift through the evidence to determine what is relevant. Factual information is then evaluated and interpreted to understand the root causes of the event. This requires an understanding of the technical aspects of the operation or process step, coupled with experience in the operation of manufacturing facilities and equipment.

## Services

**Developing Expert Opinion:** We have the ability to prepare expert opinion reports and white papers to assist attorneys responding to interrogatories, including:

- **Root Cause Analysis:** We are able to apply our fault tree analysis experience to the analysis of incident root causes.
- **Verification of Physical Evidence:** ioMosaic maintains a strategic alliance with ioKinetic, LLC, a state-of-the-art facility that conducts thermal hazard analysis and combustible dust characterization testing.
- **Structural Analysis:** We have strategic alliances with experts in the areas of finite element analysis, computational fluid dynamics and corrosion engineering.

**Expert Witness:** Our professionals have given depositions and provided expert testimony before juries for a wide array of process incident cases. Our fields of expertise include process safety management, chemical plant operations, emergency relief system design and chemical reactivity.

## Experienced Professionals

ioMosaic possesses both technical expertise and experience in the operation of plants and equipment. This background enables us to evaluate the evidence associated with accidents and determine the most probable causes, given the available information.

## Tools

ioMosaic uses cutting-edge software to complete detailed analysis that aids in providing credible testimony.

- **SuperChems™** is an advanced tool for evaluating relief and flare systems and conducting consequence and quantitative risk analyses.
- **ioLogic™** allows us to create and edit fault trees for any purpose using our highly intuitive visual interface. Includes safety integrity level and Safety Instrumented System templates.



## About us...

ioMosaic Corporation is the leading provider of safety and risk management consulting services, training and software solutions. Our first-hand knowledge of industry standards and regulations, coupled with decades of experience, provides us the rare ability to understand an issue from both the client's and regulator's perspective. We have industry-adopted tools and methodologies that we can apply to your most basic or complex problems and challenges.

For more information, please visit our website at [www.ioMosaic.com](http://www.ioMosaic.com) or contact us at [sales@ioMosaic.com](mailto:sales@ioMosaic.com) or F 603.386.6522.

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