

Facility Siting

Benefits of Facility Siting

A properly performed facility siting study provides you with the data necessary to make informed decisions to address risks from fire, explosions or toxic substances.

ioMosaic offers a broad understanding of facility siting concepts and standards. We have a wide range of facility siting project experience, ranging from refineries, chemical and petrochemical plants, pharmaceuticals and liquefied natural gas facilities. ioMosaic can apply any of the main facility siting approaches (risk-based, consequence-based, or look-up tables) depending on client or project requirements.

The Need for Facility Siting

Facility siting allows you to identify possible risks to personnel, equipment, structures and surrounding areas from fire, explosion and toxic substances. OSHA process safety management regulations require facility siting assessments as part of a comprehensive process hazard analysis.

Experienced Professionals

ioMosaic personnel have extensive experience in conducting facility siting studies, assessing plant facilities and providing recommendations to manage risk. The results of our process safety and risk management studies have been used by proactive companies in the petroleum, chemical and utility industries to effectively manage the risks of highly hazardous operations.

We are particularly proud that so many of our clients return to us for facility siting studies and guidance regarding expansions, modifications and new facilities; and that they continue to rely on us for integrity, insight and value. Our recommendations are practical and based on sound engineering practices, while keeping operability and cost-effectiveness in mind.

Facility Siting Tools

SuperChems™ is a commercially available software package, which combines expertise in chemical hazard characteristics, advanced numerical computations and process safety analysis with rigorous models for source terms, dispersion, and fires and explosions. The equations are based on first principles of conservation and continuity and embody the fundamental chemical engineering principles of thermodynamics, heat and mass transfer, fluid flow, chemical rate and transport behavior. These models have been validated both qualitatively and statistically using large-scale experimental data.



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 or contact us at sales@ioMosaic.com or F 603.386.6522.

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