

Facility Siting Analysis (FSA)

Facility siting involves the assessment of the possible impacts of fires and explosions on life safety, structures, and equipment as well as the effects of releases of toxic substances on people.

THE PRIMATECH ADVANTAGE FOR FACILITY SITING

OSHA's process safety management (PSM) regulation requires that facility siting be addressed in process hazard analysis (PHA). OSHA's interpretation of facility siting includes the spatial relationship between the hazards of a process and the locations of people in the facility, particularly in occupied buildings such as control rooms.

Companies address facility siting not only to comply with regulations but also to meet industry guidelines such as those issued by the American Petroleum Institute (API) and the Center for Chemical Process Safety (CCPS).

Primatech has developed methods to incorporate facility siting into PHA studies and has performed FSA studies to investigate facility siting issues in depth. We have audited the facility siting programs of many companies. Primatech's FSA approach integrates established industry guidelines including those from API RP 752 / 753 and CCPS. Primatech consultants use consequence modeling software tools to meet the unique requirements of each FSA project. They understand how to meet applicable good engineering practices, and comply with applicable regulatory requirements.



SERVICES OFFERED:

Performance of FSA studies

Primatech can conduct studies on your entire facility or individual process areas to identify issues and evaluate the ability of occupied buildings to withstand fires, explosions, and toxic material ingress. Toxic release, blast over-pressure and thermal radiation footprints are overlaid on the facility plot plan and an occupied building analysis performed. A report is prepared that documents the issues identified and provides an assessment of building integrity.

Development of a facility siting program

Primatech can provide advice and guidance on the content of a facility siting program tailored to your specific needs. We provide a written plan that integrates with your current systems and programs, and, if requested, provide assistance with its implementation.