

Safety Engineering

MATRIC's safety offerings are aimed toward **identification**, **mitigation** and **reduction of risks** created by hazard and operability shortcomings. In every instance MATRIC seeks to recommend actions that will reduce the likelihood and consequences of potential events such as injuries/fatalities in the plant or community, loss of production (plant outage), major equipment loss, or damage to the environment.

MATRIC offers various **safety analysis tools** and has the **expertise** to recommend appropriate methods for specific problems. The intent is to control or prevent events that lead to any type of business liability and loss of production. This is accomplished by making operation or design recommendations based upon the true root cause(s) of observed or potential impacts. When necessary, MATRIC is prepared and qualified to assist clients with implementing needed changes that address risks found by a safety study or root cause analysis.

Our **below listed capabilities** will help an organization manage the risks associated with a variety of industrial and laboratory operations. Expertise within MATRIC also includes knowledge and application of generally accepted safety practices and criteria promulgated by the leading industry focus groups.



SAFETY SERVICES	DESCRIPTION
Reviews	Hazard evaluation of processes, projects and tasks (HAZOP, PHA); inherent safety analysis
Root Cause Analysis	Apollo® certified facilitation
Accident / Incident Investigation	Inspection, data gathering, documentation, interviewing, etc.
Program / Plan Development	Safety programs, compliance plans, and corrective actions
Modeling	Cause/effect, assumption and risk analysis, recommendations
Audits	Compliance review, corrective actions to meet regulatory requirements
Training	Employee and management regulatory compliance training
Other	Industrial hygiene, occupational health, ergonomics, etc.