



## AcuTech Services

- Hazard and Operability (HAZOP) Analyses
- Hazard Identification Study (HAZID)
- What-If/Checklist
- Layers of Protection Analysis (LOPA)
- Safety Instrumented System (SIS)
- Safety Integrity Level (SIL)
- HAZOP/LOPA
- HAZOP/SIL
- Failure Mode and Effects Analysis (FMEA) and Fault Tree Analysis (FTA)

**Process Hazard Analysis (PHA)** is a qualitative methodology, required by OSHA, EPA, and company internal requirements to identify the risks of processes that involve highly hazardous chemicals.

**AcuTech Consulting Group** offers in-depth knowledge of current and proposed process safety regulations, detailed experience in conducting hazard analyses, revalidations, risk assessments, safety analyses, process safety and risk management audits, and experience with operations involving highly hazardous materials. Our consultants have extensive experience leading PHAs including HAZID, HAZOPs, What-If, What-If/Checklist, LOPAs, SIS, SIL, combined HAZOP & LOPA, combined HAZOP and SIL, as well as FMEA and FTAs.

Our consultants have instructed numerous companies and government bodies how to establish process safety systems. AcuTech provides combined HAZOP/LOPA/SIL verification experience with operations for international petroleum and energy companies. SIL verification experience includes both qualitative evaluation of the layers of protection and quantitative determination of the probability of failure on demand and system availability.

Through our AcuTech Training Institute we have trained thousands of individuals on how to effectively conduct a Process Hazard Analysis (PHA), and the use of PHA software for studies.

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