



Consulting Services | Training Services | Software Products

**AcuTech Consulting Group** is a global consulting company offering a full range of management and technical consulting and training services, as well as software products to identify, evaluate, mitigate and manage risks. Our mission is to assist organizations to continually improve their safety, security, health, environmental and operational performance. AcuTech offers a unique combination of backgrounds in engineering, design, operations, safety, security and emergency response that provides our clients with practical, cost-effective solutions for the process risk management challenges.

AcuTech's services emphasize world class performance in safety, security and emergency management. We deliver advanced services that meet the higher level of safety demanded by the world's most progressive companies.

PROCESS SECURITY SERVICES	PROCESS SAFETY MANAGEMENT SERVICES	EMERGENCY MANAGEMENT SERVICES
<ul style="list-style-type: none"> <li>• Security Management Systems</li> <li>• Security Policies &amp; Procedures</li> <li>• Security Vulnerability Assessment</li> <li>• Security Risk Assessment</li> <li>• Security Plans</li> <li>• Critical Infrastructure Protection</li> <li>• Countermeasures Selection, Design &amp; Implementation</li> <li>• Training</li> <li>• Security Reviews &amp; Audits</li> </ul>	<ul style="list-style-type: none"> <li>• Process Safety Management (PSM)</li> <li>• Process Hazards Analysis (PHA)</li> <li>• Layers of Protection Analysis (LOPA)</li> <li>• SIL / Safety Instrumented Systems</li> <li>• Management System Auditing</li> <li>• Health &amp; Safety/VPP</li> <li>• Inherently Safer System Analysis</li> <li>• Risk Communication / Crisis Management</li> <li>• Quantitative Risk Analysis (QRA)/Consequence Modeling</li> </ul>	<ul style="list-style-type: none"> <li>• Emergency Response Planning</li> <li>• Training, Drills &amp; Exercises</li> <li>• Integrated Emergency Management Planning</li> <li>• State &amp; Local Homeland Security Planning</li> <li>• Crisis Management Plans</li> <li>• Business Continuity Planning (BCP)</li> <li>• Continuity of Operations (COOP) Planning</li> <li>• Continuity of Government (COG) Planning</li> <li>• NIMS / ICS Implementation</li> </ul>



## Key Experience & Qualifications



### ACUTECH ADVANTAGES

- ❖ Market leader in process safety, LNG risk assessment & chemical security management
- ❖ End to end integrated services from prevention to program management to mitigation
- ❖ Hundreds of successful projects worldwide
- ❖ Trusted by industry & government to provide objective reviews and assessments
- ❖ Technically thorough and complete
- ❖ Practical, proven techniques fostered by innovative minds producing creative solutions
- ❖ Trusted by the world's largest corporations and market leaders in their fields

We are specialists at process risk management and are experienced in assisting companies in understanding and controlling their risks.

- Internationally recognized expertise in chemical process safety, security, process safety and emergency management, specializing in the petroleum and chemical industries.
- Trusted by the world's leading companies on their most critical projects worldwide.
- In-depth familiarity and experience in complying with all aspects of regulations for handling of highly hazardous materials. Regulatory program experience includes US OSHA Process Safety Management (PSM), US EPA Risk Management Program (RMP), DHS Chemical Facility Anti-Terrorism Standards (CFATS), USCG Maritime Transportation Security Act (MTSA).
- Significant experience in assisting with security, safety, emergency management implementation for a wide variety of companies, both large and small around the world.
- Authors of numerous guidelines and methodologies. Contracted by CCPS to lead the development of the CCPS Guidelines book, "Inherently Safer Design: A Life Cycle Approach, 2<sup>nd</sup> Edition" and "Guidelines for Auditing Process Safety Management Systems, 2nd edition".
- Strong project management skills and a personalized, responsive style of working closely with clients. We emphasize on-time, cost-effective performance, and have a successful track record in meeting this goal.
- Recognized experts in the field - previously worked for a variety of major chemical and petroleum companies, large engineering and construction companies, and federal, state, and local government.



## Process Risk Management and Security Training Services

AcuTech provides training on process safety, security, and emergency management. Courses are available through the AcuTech Training Institute (ATI) open enrollment classes. Courses can also be provided at your site and can be customized to meet your specific needs. Thousands of attendees have participated in our training programs including a wide range of industry, academic and government staff (local, state, federal, military).

### Popular courses include

- Process Hazards Analysis for Team Leaders
- PHA Revalidations & Advanced Topics (LOPA, SIS, SIL)
- Using PHA-Pro® for PHA Studies
- Auditing PSM/RMP Programs
- Mechanical Integrity Program Management
- Security Vulnerability Assessment
- Chemical Facility Anti-Terrorism Standards (CFATS)
- Conducting Incident Investigations
- Human Factors in Process Safety
- Quantitative Risk Assessment
- Best Practices in Process Safety Management

Contact us for a schedule or to arrange for a class at your location.

### Industries Served

- Chemical
- Petroleum
- Liquefied Natural Gas
- Petrochemical
- Academic
- Government
- Transportation
- Critical Infrastructure
- Agriculture & Food
- Energy
- Maritime
- Defense
- Nuclear
- Healthcare
- Pipeline
- Offshore
- Water/Wastewater
- Pulp & Paper
- Paints & Coatings
- Pharmaceutical
- Aerospace
- Biotech
- Semiconductor
- General Manufacturing



## Software Products

AcuTech is an Alliance Partner of Dyadem and reseller of their software products that greatly assist companies with risk management and process safety, and improve business performance. **AcuTech offers software training and mentoring.**

**PHA-Pro**® is the world's #1-selling **PHA and HAZOP** software solution for regulated process industries. Being the best in its class, it is a proven technology, with preformatted industry standard PHA templates (HAZOP, What If/Checklist, Preliminary Hazard Analysis, LOPA, SIL and combinations of methodologies) and comprehensive libraries and checklists. This feature-rich program can enable you to complete studies 50% faster than other methods.



**FTA-Pro**® provides expert guidance for **Fault Tree Analysis**. Fault Tree development is easy with FTA-Pro. The software calculates the probability of the top event and will run cut sets analyses detecting most critical items.

**FMEA-Pro**® is a leading **Failure Mode and Effects Analysis** software solution that improves quality, productivity, and safety while providing a means for reviewing product and process designs and ensuring regulatory compliance.



**RiskSafe**® helps to improve workplace **health and safety** by identifying potentially hazardous practices through various qualitative workplace risk assessment methodologies including Job Safety Analysis (JSA) and Job Hazard Analysis (JHA).

**SVA-Pro**® is a powerful software tool that helps you simply, document and itemize your **SVA studies**. Preformatted industry templates and comprehensive libraries and checklists. The software is based on the CCPS methodology and provides you with the flexibility to create custom templates.



**STATURE ORM**® links disconnected enterprise risk management processes across the risk lifecycle, enabling organizations to continuously improve towards zero incidents. Enables Management of Change (MOC) & Action Tracking for any level of risk and complexity. Enables sharing of knowledge and visibility into risk processes (PHAs, SVAs, FTAs, FMEAs, Incidents) across an enterprise.

For more information about AcuTech Consulting Group's services or to arrange a meeting with a consultant, please contact [help@acutech-consulting.com](mailto:help@acutech-consulting.com) or call +1 (703) 245-3015.



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