



**JATIN N. SHAH**  
**Manager, Global Business Development**  
**Remote Operations Manager**  
**Senior Principal Consultant**  
**BAKER ENGINEERING AND RISK CONSULTANTS, INC.**

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**Education:** B.S., Chemical Engineering, University of Kansas  
M.S., Chemical Engineering, University of Illinois

**Areas of Practice:** Jatin Shah has over Thirty (30) years of experience specializing in Risk Management Services including quantitative risk assessment (QRA), Corporate Risk Management, and Risk-based Decision Support. He brings an extensive array of skills that includes Risk Management Process Improvement, Decision Analysis, Decision Criteria/Guideline Development, Risk Analysis and Quantification, and development of conceptual layout and equipment specification for toxic risk mitigation. During his career, Mr. Shah has identified and evaluated cost-effective risk optimization alternatives that allow management to make informed risk management decisions and has helped clients optimize their risk management budgets.

- Experience:**
- Identified and evaluated cost-effective risk optimization alternatives that allow management to make informed risk management decisions. He has helped clients optimize their risk management budgets and realize significant risk management performance improvement.
  - Extended the Quantitative Risk Analysis (QRA) methodology as described in the CCPS guidelines to incorporate non-safety related risk exposures such as environmental losses, property damage, business interruption, market share loss, credit risk analysis, and other intangible risk exposures on a uniform financial basis. This comprehensive integrated risk assessment technique provides clarity of quantitative analysis to help managers make critical risk-based decisions. The integrated risk assessment approach has been utilized to evaluate risks associated with facility operational risk exposures, external (natural event) risk exposure, transportation risk exposure, and overall supply chain exposure. This integrated approach has been utilized in several studies that optimize crisis management and business continuity planning studies, including revisions to contingency planning and training scenarios for several large organizations.
  - Conducted more than 350 Quantitative Risk Assessment studies of chemical, petrochemical, oil and gas refining, exploration & production operations throughout the world at the corporate level, business unit level, facility level, and process specific studies including more than 65 for HF Alkylation units. Of these, 24 studies involved the incorporation of natural event risks including hurricanes, tornadoes, flooding, and earthquakes. Nine of these studies involved in-depth analysis of hurricane land fall potential and associated damage and business interruption.
  - Conducted studies that have helped multinational companies review their existing risk management processes and worked with them to develop optimization strategies that help address their enterprise-wide risk exposures on a consistent and transparent basis. Through these studies, the clients have derived significant value from having streamlined processes to manage risks and benefitted from the creation or customization of company specific risk management tools.
  - Helped develop consequence screening, risk indexing tools, decision support tools, and knowledge management systems in support of his risk management process improvement projects.
  - Taught several customized courses related to risk assessment, risk management, and decision analysis. He has been invited to give guest lectures on business risk management and decision support/analysis at leading business schools.
  - Serves on API 751 Committee, CCPS Technical Steering Committee, CCPS Project Planning Committee and the Chair for the 2014 Global Congress on Process Safety (GCPS). Jatin also serves on numerous conference committees and has numerous published articles and conference presentations.

**Professional Chronology:** Universal Edibles Oil Inc., 1987-1988, Risk and Industrial Safety Consultants, 1988-1990, DNV Technica Inc., 1990-1993, ERM Four Elements, 1993-2000, KPMG LLP, 2000-2002, MSA Risk and Economic Consulting Services, 2002-2003; Baker Engineering and Risk Consultants Inc. (BakerRisk), 2003 – Present.

**Professional Memberships:** Member AIChE (American Institute of Chemical Engineers)  
Member GARP (Global Association of Risk Professionals)

**Committee Memberships:** CCPS Technical Steering Committee; CCPS Project and Planning Committee; GCPS Conference Planning Committee; CCPS Latin American Conference Planning Committee