



DAVID G. BLACK
Senior Principal Consultant
BAKER ENGINEERING AND RISK CONSULTANTS, INC.

Education:

B.S. Mechanical Engineering
The University of Iowa

Areas of Practice:

David Black works at BakerRisk's Houston office as the company's lead insurance risk consultant. He has over 27 years of experience in industrial property loss prevention and control, primarily in the oil, gas, petrochemical, and power generation industries. Professional duties have included: loss prevention surveys / evaluations, loss investigations, fire protection systems evaluation and testing, risk modeling of natural peril exposures, and development of loss estimates.

In addition to insurance risk engineering, Mr. Black leads BakerRisk's Fire Protection Services area, highlighted by the Fire Hazards and Mitigations Analysis (FHMA) service. The FHMA methodology was developed to assist clients who wish to perform focused, comprehensive analyses of their operation's fire risks, as well as the mitigation resources available to limit fire consequences.

Experience:

- Extensive experience in risk mitigation and consulting to improve corporate risk profiles, reduce loss and risk potentials, and evaluate management programs at the local and corporate levels.
- Received formal training and/or certification in industrial firefighting, incident command, compliance auditing, accident investigation, and Process Hazard Analysis. Mr. Black's background includes over 25 years of experience in evaluating, developing, implementing, and auditing of fire protection systems, as well as Emergency Response and Contingency Plans.
- Developed BakerRisk's proprietary fire hazard analysis software, FireHAT[®], used to model specific fire consequences and analyze mitigation systems in conjunction with Fire Hazard and Mitigation Analysis (FHMA) studies.
- Developed BakerRisk's proprietary Accident Database to capture, mine, and analyze pertinent data about accidents involving hazardous materials.
- Mr. Black's background prior to joining BakerRisk was with four major property insurance carriers, in both the risk engineering and underwriting disciplines. Mr. Black's experience includes 20 years of progressive management in both underwriting and risk engineering.

Professional Chronology:

U.S. Navy Civil Engineer Corps (Company Commander – NMCB-22) 1988 - 1996; Factory Mutual Engineering Association (Loss Control Consultant) 1991 – 1993; Starr Technical Risks Agency (Technical Services Manager / Underwriter) 1993 – 2003; Allianz Global Risks (US Practice Leader – Power Generation Underwriting) 2003 – 2006; AIG Global Marine and Energy (Regional Engineering Manager) 2006 – 2013; Baker Engineering and Risk Consultants, Inc. (Supervisor and Senior Principal Consultant), 2013-present.

Professional Registrations/Certifications:

- Associate of Risk Management
- Industrial Firefighter I
- Houston Area Safety Council – Basic Orientation Plus
- Off-shore Certifications:
 - BOSIET / HUET
 - SafeGulf / SafeLand / RigPass
 - European EST

Professional Memberships:

- National Fire Protection Association
- Society of Fire Protection Engineers
- American Society of Mechanical Engineers
- Founding Member and Steering Committee Trustee– Risk Engineers Energy Forum

Committee Memberships:

- NFPA 59 –Utility Gas Plants
- API Safety and Fire Protection Group