



ROBERT J. MAGRAW
Principal Consultant
Operations Manager, BakerRisk Europe
BAKER RISK EUROPE LTD.

Education: B.Sc. Hons, Environmental Sciences, University of Lancaster, UK

Areas of Practice: Robert Magraw is the Operations Manager of BakerRisk Europe Ltd and is part of the BakerRisk Process Safety Group. He has an extensive career of over twenty eight years in safety and risk management, including ten years in the oil and gas sector and over eighteen years in the nuclear industry. His main areas of technical practice currently include PHA, SIS/SIL, QRA, audit, and insurance risk engineering. He was previously head of environmental, health, safety and quality for an international nuclear services company. He also managed the corporate HSE management system and assurance program for a major international nuclear business with a global portfolio of nuclear and non-nuclear operations.

- Experience:**
- Since joining BakerRisk in 2008, Mr. Magraw has undertaken a broad range of process safety related work including leading PHA studies, insurance risk engineering surveys, SIS/SIL studies, management system development, independent reviews and audits, quantified risk assessments and accident investigations at numerous onshore and offshore oil, gas and petrochemical facilities across the globe. He has developed and delivered various training and workshops on process safety related topics. Mr. Magraw was appointed Operations Manager for BakerRisk Europe Limited in June 2009.
 - Mr. Magraw has extensive safety management experience, having previously managed and performed safety and environmental impact analyses and prepared safety cases for a broad range of nuclear facilities to support safe and environmentally responsible operations and regulatory licence applications. Throughout this, he utilised various consequence modeling, frequency assessment, quantified risk assessment, and ALARP risk justification techniques. He also provided expert advice on radioactive waste vitrification process safety to U.S. DoE.
 - He has operated both as a consultant and as part of multi-discipline project teams, and has managed teams providing a wide range of specialist safety services.
 - Prior to joining the nuclear industry, Mr. Magraw worked in production and quality control and as a laboratory and field based geo-technician in the civil engineering sector.
 - Mr. Magraw has presented technical papers at conferences in Europe and the Middle East. He was appointed to the IChemE's Hazards Conference Technical Committee in 2015.

Professional Chronology: 1990-2004 British Nuclear Fuels plc, (Safety and Risk Manager 1990-2000, Corporate Assurance Manager 2000-2004), International Nuclear Services, (Head of Environment Health Safety & Quality 2004-2008), BakerRisk Europe Limited (Principal Consultant 2008, Operations Manager 2009--present)

Professional Certifications: CPChem Certified PHA/LOPA Facilitator
Combined Offshore Survival and Firefighting Course (including BOSIET) – 2013
IRCA ISO 9000: 2000 Quality Management Systems Lead Auditor
IRCA ISO 14001: 2004 Environmental Management Systems Lead Auditor

Professional Memberships: Institution of Chemical Engineers – Affiliate
Member of IChemE Hazards Technical Committee
Member of European Process Safety Centre Technical Steering Group (EPSC TSG)
Member of Oil, Petroleum and Energy Risks Association (OPERA)