Risk Capabilities Statement
Environmental Resources Management
North America Risk Practice
Services Offered

The ERM North America Risk Practice offers a wide range of safety and risk management services varying from small, one-off studies to complete management of safety and risk for major field development projects. The company’s approach to risk assessment is pragmatic—the work should be easily read, and accurate. ERM delivers solutions that fit the application and are in each client’s interest.

The company’s portfolio attests to its extensive expertise in onshore and offshore oil and gas project support including concept selection, construction, operation, and decommissioning.

ERM has a broad range of core competencies that span the gamut of risk and safety analyses—from broad scoped safety case preparation to specific, individual studies.

Services Offered:
- Accident and incident investigation (root cause analyses)
- ALARP
- CFD—Computational fluid dynamics studies
- Concept and design safety evaluations
- Concept safety case preparation and review
- Design validation and verification and risk management workshops
- Discrete risk studies
- Dropped-objects studies
- ETRERA
- FMEA & FMECA
- HAZID & HAZOP
- Helicopter risk analyses
- HSE—development and implementation of integrated HSE management systems, including gap analyses
- Modeling and assessment
- Explosion (Fire, source and discharge, toxic gas or smoke dispersion)
- MODU
- Monte Carlo simulation
- Passive fire protection analysis
- Performance standard development
- PHA
- QRA
- RAM—Reliability, availability, maintainability analyses
- Safety case (design, construction, operation, drilling) preparation including formal safety assessment (FSA) studies
- Safety-critical elements analyses
- Ship collision analyses
- SIL & LOPA
- SIMOPS
- Siting assessment
Evidence

Overview
The ERM North America Risk Practice has significant experience in safety case preparation, front-end engineering design (FEED) support, concept safety evaluation (CSE) studies, SIMOPS studies, asset optimization (using dynamic simulation to best reflect reality), HSE training, HSE management system and in-house support.

Flexible Team
Your workload fluctuations are met head-on. Often we are asked to respond rapidly to a client’s needs to manage changing deadlines and project requirements around the world. We can, at short notice, supply resources to prepare project deliverables that are of the highest quality.

Regulatory Knowledge
If you need to meet regulatory needs, ERM has a demonstrated track record of ensuring successful regulatory acceptance for its clients’ activities.

Whole Life Cycle Approach
By providing design, concept selection, construction and operations support, plus decommissioning support, ERM applies whole of life cycle considerations to its decisions. Concept selection studies will include relevant assessment of field abandonment and decommissioning requirements any to select development or operation activities with the complete knowledge of short- and long-term project requirements.

Project Support Tools
Expert tools and systems support ERM’s staff so project deliverables are of the highest possible quality. The company’s library of tools grows with client needs and technological advances. An ever-expanding electronic reference library currently holds more than 600 files—primarily global industry and regulatory guidelines, standards, and data. ERM’s electronic toolbox holds software and ERM-created resources based on industry standard methodologies.

Proven Performance
An enviable and proven track record in providing safety support to its clients ensures that up to 80% of the ERM North America Risk Practice’s work is generated from repeat business. ERM’s recruitment philosophy and high caliber personnel ensure that the company remains current with the requirements and expectations of industry and regulators, which has enabled ERM to retain key clients since its inception.

Quality Assurance
Company Overview

Environmental Resources Management (ERM) has approximately 3,300 staff based in 137 offices in 39 countries around the world. Our unique combination of local presence and global reach allows our client and practice teams to collaborate across geography, assembling multi-disciplinary teams that deliver local results to global standards.

ERM’s North America Risk Practice provides safety and risk management services and is based in Houston, Texas, USA.

The Risk Practice and services to clients expanded significantly in early 2010 with the acquisition of IRC Risk and Safety LLC. IRC was founded on the principle of providing safety and risk assistance to the oil and gas industry and had completed projects for most of the supermajors and operators worldwide. The blending of talent from ERM and IRC affords clients a broad base of experience to draw upon under one roof.

The depth of experience to manage unpredicted fluctuations in client workloads and schedules is the hallmark of the North America Risk Practice. We are ideally suited to perform any and all of these services for any discrete phase of a project or can complete comprehensive services and support the entire project scope.