



Our risk management service methods and techniques:

Risk assessment or system safety across industries:

Our risk assessment or system safety management service involves adopting a hazard based approach to enable assessing the ability of the land, air and sea engineering systems to reach the required levels of performance. It also helps to enable the evaluation of cost-effective means of reducing risk to a level that is as low as reasonably practicable and includes:

- hazard identification techniques including HAZOP, SWIFT, FMECA, Fault and Event Tree analysis)
- Quantitative Risk Assessment (QRA)
- qualitative safety assessment
- SIL assessment
- RAM Analysis
- system safety cases
- system safety assessment
- safety assistance in design
- bowtie / layers of protection assessment
- software assurance
- cost-benefit analysis
- compliance and validation
- escape, evacuation and rescue analysis
- consequence analysis, including ship impacts, fires, explosions and toxic releases
- port and shipyard risk/hazard analysis
- operational risk/hazard analysis.

T Hazard-based system safety assessment methods are especially effective during the design stage, when changes can be more easily accommodated and design solutions explored. They can also be employed later as a means of targeting safety expenditure in the most cost-effective way.

Human Factors:

Our exceptional team of human factors specialists helps enable clients to reduce human failures and harness human potential. We provide intelligent, practical and cost-effective services to operators, regulators and other stakeholders all over the world.

Our human factors services include:

- usability and ergonomics (HMI)
- human factors integration (HFI)
- human error assessment and fatigue management
- systems safety and health hazard assessment
- task analysis
- habitability and personnel survivability
- training and training needs analysis
- change management
- fatigue management
- behaviour-based safety programs
- safety leadership development
- incident and accident analysis.

Management Systems:

Our risk management team comprises highly qualified, experienced engineers and specialists whose main task is to help devise solutions aimed at managing operations whose failure could have serious safety, environmental, quality and business implications. Our services for Management Systems include:

- health, safety and environmental (HSE) System
- system development
- auditing
- training
- security
- emergency preparedness & crisis management
- business and project risk management
- business continuity planning
- asset Management
- due diligence.