

Energy Risk Consulting

The energy industry is wide ranging, with unique risks and specific insurance and risk consulting needs. Energy Risk Consulting specializes in process safety management, risk assessment, human factors and fire protection to the oil and gas, petrochemical, pharmaceutical, food processing and general process industries.

Why Energy Risk Consulting

As a part of Aon Global Risk Consulting, our team is able to provide a complete approach to risk management. With more than 2,000 risk professionals in 50 countries worldwide, Aon Global Risk Consulting delivers risk management solutions designed to optimize its clients' risk profiles. Its suite of services encompasses risk consulting, risk control, claims and engineering, and captive management. Aon Global Risk Consulting is dedicated to expanding our integrated solutions to help clients effectively and proactively manage risk in a changing and challenging global market.

Aon guides our clients with a practical, not prescriptive, approach. For each of our services, we provide experienced, industry-tested consultants. Our team of professionals consists of experts in refining, oil and gas, chemical and hazardous process operations. Most of these professionals have a minimum of 15 years of operational and plant experience, and many are Certified Safety

Professionals (CSP) and Professional Engineers (PE). Chances are, our team members have been in a situation similar to yours and can apply their real-world knowledge to develop a common-sense, effective approach. We also work together with our teams of risk accountants and financial analysts when undertaking financial studies such as BI analysis and cost benefit analysis.

During each project, we work with our clients as a part of their team. Developing a deep partnership allows our consultants to understand our clients, enabling us to provide solutions that work. This combination of applicable knowledge and close working relationships enhances

problem solving and makes strong improvements within process safety, risk assessment, industrial fire protection and insurance risk engineering support possible.

Aon has credibility in local and international insurance markets so all work undertaken can be used internally for risk management purposes but can also form part of any communication to insurers on the quality of the risk. We understand insurers needs so we can ensure issues are communicated effectively however we are fully independent of insurers so can act as a strong advocate to ensure any risk management is what makes sense for the business.

Our specialist team can help you

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Our specialist services

We have assisted clients in the development, implementation and on-going evaluation of process safety and risk management programs and services, including:

- **Business Interruption (Pre-Loss Analysis)** – Properly understanding BI potential to optimise risk transfer and mitigation options.
- **Combustible Dust Hazards** – Assessing dust hazards, mitigation options and management programmes.
- **Cost Benefit Analysis (Risk Based)** – Using financial risk based approach to give robust basis for deciding on risk management options.
- **Consequence Assessment** – Understanding exposures from hazards and using this to better manage the risk.
- **Facility Siting** – Determining potential for hazards to impact on occupied areas of the site and management of this risk.
- **Industrial Fire Protection** – Specialist fire protection advice for energy industry needs including deluge systems, foam systems, site supplies and fire rating.
- **Loss Limit Analysis** – Understanding potential loss scenarios, their impact and what the values are sensitive to.
- **Quantitative Risk Assessment** – Formal quantification of risks to establish risk benchmark for internal or external use.
- **Safety Case Studies** – Examination of potential exposures to on and offsite persons and identification of mitigation options.
- **Third Party Liability Studies** – Assessing hazards that may impact third parties, quantifying the risk (which can be a potential loss) and identifying additional mitigation measures and optimum risk transfer structures.
- **Training Services** – Providing training on hazard and risk management including fire, explosion, toxic gas, emergency planning and response.
- **Underwriting Information Services** – Producing quality underwriting submissions on the risk including property damage, BI, machinery breakdown, liability, customer and supplier impacts.
- **Valuation Services** – Providing valuations for insurance and tax purposes.