



Safety, Environmental and Risk Services

Working for a safer world

We have such broad and extensive life and study experience extending well over 100 years combined in some of the hardest conditions meaning Cobra has a unique perspective on safety and environmental issues. We support our customers at every stage in the asset life cycle and we believe safety is a fundamental element that must be considered throughout the life of an asset.

We have an extensive track record in safety, environmental and risk management activities from identifying and designing to mitigate risks through hazard philosophy and process assurance to legislation and compliance.

Safer by design

To add most value safety is addressed at the earliest opportunity in the development phases where we can apply the right focus on inherently safer design. Our long experience in operational delivery right through to late life management and decommissioning allows us to close the loop on the asset life cycle and feedback comprehensive understanding to evolve safer designs for the next generation of assets.

Our facilitators have vast experience working with independent operators and regulators to deliver safety workshops around hazard identification, risk analysis, Safety Integrity Level (SIL) reviews and operational reviews. We can help you develop or assess documentation and procedures, track and implement actions and audit for compliance. With a global operation we have experience of the various regional safety standards and regulations in place and can help ensure you meet and preferably exceed all requirements.

Quantifying risk

We evaluate risk and perform comprehensive risk calculations for a facility incorporating industry guidelines and best practice for estimating and quantitative risk analysis as well as specific elements like fire and explosion risk to develop the safest process layout during concept stage.

Pure Quality

We understand quality in all aspects is important in the execution of projects. We have developed quality manuals for the organisations we have been involved in as well as managing the quality processes. We understand the importance so much so that some of our consultants are experienced in 6 Sigma techniques all the way to black belt level.

The potential for major incidents is every present across all industries. Hazard management and risk mitigation is a crucial part of safe design and operation. Our extensive experience in some of the most hazardous industries brings valuable insight to help you develop and run your asset safely.

Typical but activities we carry out in this phase include

- Safety case development
- Fire and explosion studies
- Escape and evacuation studies
- Emergency system survivability
- Hazardous area classification
- HSE layout and materials selection
- Fire and gas philosophies
- HAZID
- HAZOP
- ENVID
- SIL
- LOPA
- SIMOPS
- Fire protection philosophies
- Quantitative risk assessment
- Cost benefit analysis
- Verification and assurance
- Performance standards
- FMEA and RAM studies
- Environmental philosophy
- Environmental impact assessment scoping
- Waste management planning
- Emissions inventory
- Noise studies
- Facilitating safer operations

To find out more or to speak to an expert...

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