

# Energy Casualty Risk Engineering

Zurich Resilience Solutions (ZRS) has expertise across all energy and technical risk sectors.

We have a network of Risk Engineers with extensive industry experience that are based in key global locations to support our customers.



## Our People

ZRS Risk Engineers come from industrial backgrounds across specialisms such as Oil, Gas & Petrochemicals, Power Generation, Mining, Molten Metals and Construction.

We therefore have a deep understanding of our customer's operations and the challenges they face. This allows us to work collaboratively and in a pragmatic way.

We are also able to draw upon the expertise of our Underwriting and Claims colleagues to ensure a holistic approach to increasing resilience and decreasing risk.



## Our Casualty Proposition

We conduct site surveys and deliver comprehensive reports to support the underwriting process. These reports include:

- An overview of the facility
- Assessment of 3rd party exposures to surrounding communities and to onsite 3<sup>rd</sup> party personnel from credible Major Accident Hazard events emanating from the insured facility
- Assessment of environmental exposures, in particular to sensitive areas such as wetlands and waterways or protected areas from major loss of containment events
- Assessment of product liability exposures as a result of supplying off-specification product to downstream customers
- Review of Systems of Work and Plant Integrity to assess the effectiveness of areas such as maintenance and inspection practices, management programs, process safety, control of work and energy isolations, management of change, incident reporting & investigation, etc.
- Identification of credible loss scenarios
- Documented opportunities for improvement





## Climate Change Resilience

Energy facilities are typically long life assets in fixed locations and as such are particularly sensitive to the effects of climate change.

ZRS has climate change experts who are able to provide our customers with the best available climate change data and analysis; these are combined with our risk expertise to provide mitigations that help ensure readiness for the future.



## Additional Services

Our risk engineers are able to provide additional services using our in-house expertise such as oil spill loss estimation, tailing dams reviews, PFAS exposure assessments and fire detection & protection system design reviews.



For more details on any of our risk solutions, please speak to your usual Zurich contact or email: [tony.pargeter@uk.zurich.com](mailto:tony.pargeter@uk.zurich.com)

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