



Natural Hazard Risk Management Engineering Services

ABS Consulting has a team of risk engineers covering structural, mechanical, electrical, fire and process disciplines. This worldwide pool of experience allows us to provide the following specialist engineering services to support natural hazard risk management programmes:

- **International Experience** – our engineers have experience with all major international design standards and codes.
- **Vulnerability Assessment** – engineering assessment of existing buildings, equipment, utilities and supporting infrastructure to evaluate post event performance following natural hazard events.
- **Engineering Design** – our engineering team can develop cost-effective retrofit designs to reduce property damage and minimise downtime, which covers:
 - o Buildings and structures
 - o Equipment and utility support systems
 - o Cost-benefit engineering studies
 - o State-of-the-art technologies to reduce installation impact
- **Specifications/Design Guides** – preparation of specific corporate design guidance and specifications to meet corporate risk management objectives.
- **Independent Peer Review** – detailed technical reviews of proposed projects to confirm that CAPEX investments are in line with the corporate risk appetite for natural hazard risks.
- **Project Risk Reviews** – providing specialist input into the concept and feasibility design stages of projects to confirm that natural hazard risks are not overlooked or given too low a priority during the early stages of a project.
- **Due Diligence Studies** – evaluation of the natural hazard risks associated with potential new acquisitions.
- **Site Supervision and Auditing** – confirmation that designed mitigation solutions are correctly installed and effective.

ABS Consulting

AN ABS GROUP COMPANY

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