



**Global Risk
Consultants®**

Natural Hazards Analysis

Dedication in providing services to
address today's challenges

Awareness and concern for natural hazards have increased significantly, and TÜV SÜD GRC regularly helps clients identify these exposures, evaluate their severity and potential business impact, and develop action plans.

Accurate Cat Modeling Data

Risk Managers should be aware that catastrophe (Cat) models are not intended for single locations or small portfolios, where the “law-of-large-numbers” is not possible. Cat modeling is a first-indicator of insurance needs so good input data is essential.

TÜV SÜD GRC gathers accurate modeling data using engineers trained in natural hazard analysis and identification of critical construction and building envelope elements, as well as site-specific features.

Don't risk your company's future on modeling alone

Natural hazard risks represent a significant threat to businesses. Risk Managers who use TÜV SÜD GRC natural

hazards specialists to evaluate and mitigate these risks will be better prepared for a natural catastrophe, and have lower losses and faster recovery following a disaster.

TÜV SÜD GRC has the capability to go beyond modeling with detailed site-specific analysis by licensed structural engineers specializing in risk analysis. Site-specific analysis is essential for primary/critical sites or highly protected risks, contents and/or equipment-intensive facilities; countries where design, construction and inspection practices are weak or more variable; and accurate business interruption assessment.

TÜV SÜD GRC recommends a phased approach towards Natural Hazards Analysis

Risk Managers must make important risk reduction and insurance decisions to protect corporate assets. Decisions based on bad data can threaten the very existence of a company following a natural disaster. Site-specific assessments by structural engineers will provide the



accuracy and level of detail needed to make informed risk management and business decisions.

TÜV SÜD GRC Risk Reduction Program for Site-Specific Analysis

- Utilizes structural engineers specializing in natural hazard risk analysis
- Defines the risks and quantifies the damage (PML)
- Makes informed decisions regarding levels of risk, company risk tolerance, and prioritizes next steps
- Performs detailed analysis and develops mitigation needs on a prioritized basis
- Develops detailed options for strengthening and performs cost-benefit analysis
- Retrofit construction plans for risk reduction
- Eliminates desk-top-only CAT modeling uncertainties

About TÜV SÜD

TÜV SÜD is a premium quality, safety and sustainability solutions provider that specialises in assessment, testing, inspection, auditing, certification, training and knowledge services. Represented in over 1,000 locations worldwide, we hold accreditations in Europe, the Americas, the Middle East, Africa and Asia. By delivering objective solutions to our customers, we add tangible value to businesses, consumers and the environment.

Related services

- Fire Protection Engineering
- Boiler & Machinery Engineering
- Infrared Thermographic Surveys
- Jurisdictional Boiler & Pressure Vessel Inspections
- Loss Control Training
- Property Valuation
- Arc Flash Assessments
- Business Continuity Planning
- Process Safety Management
- Code & Project Services