

Marine and Maritime Risk Engineering Solutions: An Industry Approach



Experience that makes a difference

Our risk engineers understand the complexities of the marine and maritime industry and work with your team to strengthen practices that help reduce exposure across operations. We recognize the pressures of today's global environment and offer practical insight to support the management and communication of strategic risks, including supply chain disruption, customer loss, brand impact, workforce challenges and evolving regulatory requirements. We analyze industry-specific loss trends, emerging risk issues and leading practices to help organizations make informed decisions and support long-term resilience.

- Our global network brings together knowledge and experience from across industries, enabling our teams to apply relevant insights to marine and maritime operations.
- Our specialists are engaged in industry dialogue through publications, associations, trade shows and conferences.
- Over 300 risk engineers in North America serve on technical committees and focus groups that help shape new standards, guidelines and practices across the industry.

Risk engineering services for the marine and maritime industries

In today's global market, businesses must navigate complex challenges like supply chain changes, shifting production strategies, natural hazards and geopolitical conflict. While global trade creates opportunity, it also introduces exposure. When cargo is in transit or awaiting shipment, risk remains a constant consideration.

Zurich Resilience Solutions risk engineers work with organizations to help them better understand and address these exposures with practical insights, tools and experience grounded in the realities of marine cargo and transportation risk. As each organization's risk profile is different, our risk engineering services are structured to support those distinct needs:

- Port and terminal operations
- International cargo shipments
- Cargo storage, packing and delivery
- Container load and stow operations
- Supply chain security
- Marine construction



Challenge	Solution	Benefits
Your organization oversees an intricate supply chain, spanning multiple-stage production and transit lanes	End-to-End Cargo Risk Engineering Assessment: We assess risks throughout transit routes—from warehouse to warehouse by ocean, air and land—to pinpoint risk hot spots and operational gaps.	Better supply chain visibility, stronger risk prioritization and greater support for informed, data-driven decisions.
Your organization is facing increased cargo damage and physical losses.	Transit Specific Risk Evaluation: Our team evaluates procedures for handling, storage conditions and methods for loading and stowing cargo. Our process includes site-specific reviews and analyses of cargo flow.	Identify key loss drivers, implement better handling practices and minimize damage events in both frequency and severity.
Your supply chain has elevated risk of theft or pilferage at various points and locations.	Supply Chain Security Assessment: We evaluate security measures, tracking systems and operational protocols in both storage and transit settings to pinpoint potential vulnerabilities.	Enhance cargo security, improve traceability and reduce exposure to theft or diversion.
Your inventory is staged at third party locations with unverified capabilities.	Facility and Storage Risk Assessment: We evaluate warehouse locations around the world to assess storage protocols, fire protection measures and operational controls.	Align storage conditions and controls with exposure, reduce fire or environmental risks, identify gaps in current controls and address vulnerabilities.
You operate a waterfront facility that regularly interfaces with third party entities.	Waterfront Facilities Liability Assessment: We review waterfront facilities, access controls, contractor activities, cargo handling, berth operations and incident response to pinpoint risks such as injury, property damage or liability.	Improve oversight of marine and terminal liability, strengthen waterfront controls and reduce third-party claims, property damage and defense losses.



Additional Risk Management Services from Zurich Resilience Solutions Include



Casualty Risk Management

Prevent avoidable injuries, promote safety and protect your organization from potential legal and financial consequences with thorough safety assessments, tailored health and safety solutions and programs that promote a safer work environment.

CONSULTATION AND ASSESSMENTS INCLUDE: INDUSTRIAL HYGIENE, ERGONOMICS, WORKPLACE SAFETY, FLEET SOLUTIONS



Construction Risk Management

Drive safer, more efficient construction projects through data-driven insights and practical solutions that mitigate exposures from safety hazards to weather and supply chain challenges.

CONSULTATION AND ASSESSMENTS INCLUDE: JOB & SITE SAFETY, VIDEO COACHING, INCIDENT LOSS ANALYSIS



Machinery Breakdown (MB) Risk Management

Improve continuity and control by identifying equipment vulnerabilities early and implementing proactive solutions that prevent costly operational disruptions and promote equipment longevity.

CONSULTATION AND ASSESSMENTS INCLUDE: JURISDICTIONAL SERVICING, SAFETY SURVEYS, CONDITION MONITORING



Property Risk Management

Strengthen property safety and performance through tailored insights and practical recommendations that mitigate risks from natural hazards, fire, water damage and other critical threats.

CONSULTATION AND ASSESSMENTS INCLUDE: FIRE AND WATER RISK, DAMAGE RECOVERY SOLUTIONS, BUSINESS VALUATION SERVICES



Cyber Resilience

Stay ahead of cyber threats with human-driven and AI-support threat intelligence and 24/7 security operations that keep your business and critical data secure from unauthorized access.

CONSULTATION AND ASSESSMENTS INCLUDE: PROACTIVE ADVISORY SERVICES, 24/7 ACTIVE MONITORING, RAPID INCIDENT RESPONSE



Extreme Weather Resilience

Enhance your organization's ability to withstand extreme weather by identifying exposures, assessing risks and implementing tailored strategies that protect assets and keep operations running.

CONSULTATION AND ASSESSMENTS INCLUDE: CLIMATE SPOTLIGHT, NATURAL HAZARDS SOLUTIONS, REGULATORY REPORTING



For more information about the specialized risk engineering services provided by Zurich Resilience Solutions, contact our team:

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