



## RISK INSIGHT RESILIENCE

### Background

As climate change impacts continue to intensify globally, the importance of awareness of climate-related vulnerabilities is becoming a priority for site owners, regulatory agencies, and global logistics teams. Agencies are increasingly requesting consideration of climate change impacts in solutions, while site owners and logistics managers are also concerned with risks resulting from climate vulnerabilities on site or within a critical community.

Many site owners and logistics teams manage a portfolio of sites and supply chain hubs and as such require a way to identify and prioritize the sites most exposed to adverse impacts from climate change. Our approach offers site owners a comprehensive, structured, and quantitative tool to evaluate site portfolios that allows review of multiple climate change scenarios, climate change hazards, and projected timeframes to identify high risk locations and links so that a firm may prioritize risk mitigation measures appropriately.

### Approach

Woodard & Curran developed Climate Risk Assessment to support public and private clients in assessing and mitigating risk related to climate change across a distributed portfolio of assets and supply chain link locations. The approach has a global focus, allowing the standard methodology to be applied at any location on the globe, and evaluates the outcome of several possible climate scenarios. At-a-glance indices of climate impact can be evaluated for all sites within a portfolio, and subsequently sites are identified and prioritized for climate risk mitigation measures.

### INPUT

### PROCESS

### OUTPUT

#### Climate Data

- » Global Climate Models (GCMs)
- » TCFD-recommended scenarios
- » Regional downscaled models

#### Extractions & Calculations

- » Quantified climate stressor values
- » Relative risk classification
- » Multiple stressors/customizable indices

#### Deliverables

- » Dashboard to portfolio relative risk and business data
- » Tables of GCM extractions and risk calculations
- » Site-specific reports
- » Resilience recommendations

#### Business Data

- » Portfolio locations
- » Remediation approaches
- » Management group
- » Internal organization tags

#### Focus

- » Risk strategy & management
- » Scenario testing
- » Operational continuity

#### Value

- » Quantitative
- » Comprehensive & consistent
- » Expandable & updateable
- » Prioritized resilience planning
- » Cost-effective long-term mitigation action planning

### PRINCIPLES

### Results

The portfolio approach to climate risk assessment allows for compilation of relevant climate data, evaluation of the climate stressor risks associated with site operations and geography, and the ability to plan and prioritize capital projects to mitigate those risks. With the data access and understanding of climate-related risk provided by the portfolio approach, risk managers achieve more informed decision making, quantified scenario analysis, and greater confidence in continuity planning.

### Feedback

"This offering stands above similar offerings I've seen in the quality and quantity of reports available to the user."

"With its high-end decision-making results, this product appears very well suited to meet the scalable needs of large organizations trying to understand their climate change risks while prioritizing their budgeting needs."

"With an approach that combines a variety of methodologies to deliver insights for climate-related liabilities and recommendations for actions, it seems to be an all-encompassing tool."



**2023 TOP PRODUCT**  
 Climate Risk Assessment

