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# THE CITY UNIVERSITY OF NEW YORK

**Risk and Crisis Management:** 

Are you as prepared as you *think* you are? Are you as prepared as you *need* to be?

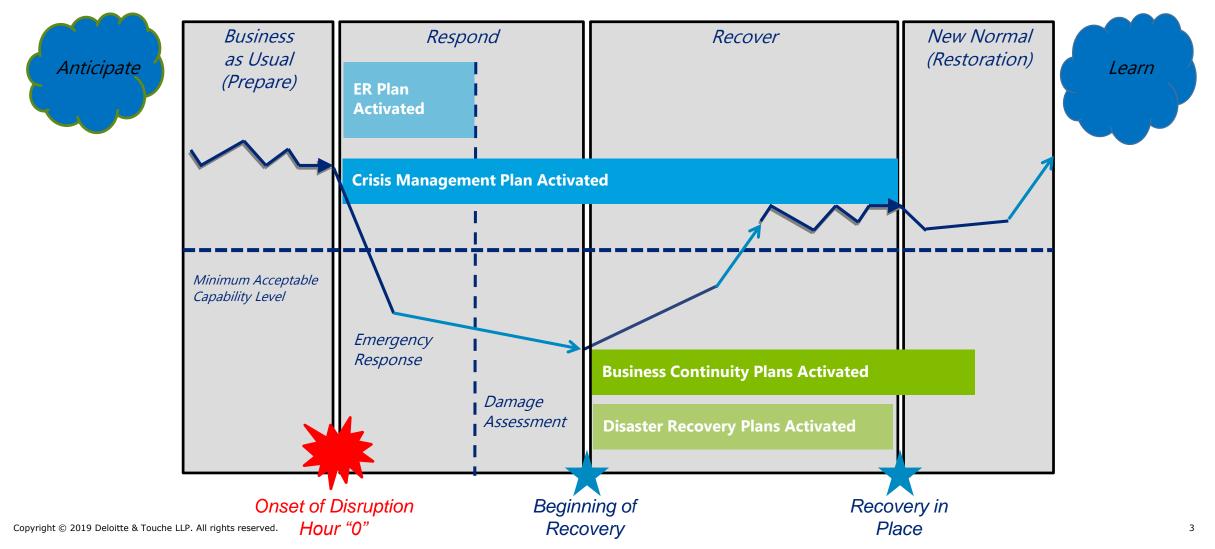
## Introduction Level setting on terminology

Resilience is a state of preparedness and capability that is achieved, in part, through strong orchestration of disaster recovery, business continuity and emergency management disciplines, as well as the larger and more integrated incident and crisis management programs.



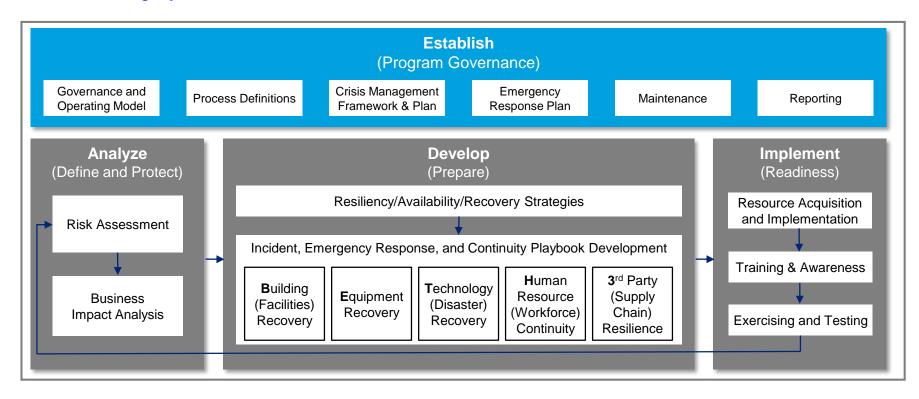
## The role of each resilience discipline in response, recovery, and restoration

While developing response and recovery capabilities, it is important to consider a holistic and integrated approach that considers the dependencies between various, different but related disciplines. As shown in the sample event timeline below, an effective response and recovery depends on multiple teams working in a coordinated manner to create an effective response.



## **Deloitte's Resilience Methodology**

Our resilience methodology is aligned with global and national standards and depicts a full, end-to-end implementation of a program. We have seen many programs aligned to standards that are not recoverable. Our methodology is based in standards, but not hamstrung by it.



A proven methodology: Deloitte named a global leader in Strategic Risk Management Consulting, based on capabilities, by ALM Intelligence, and advocates crisis preparedness and business continuity planning to prepare and be able to respond appropriately to crisis events<sup>1</sup>.

<sup>1</sup> Source: ALM Intelligence; Strategic Risk Management Consulting 2018; ALM Intelligence estimates © 2018 ALM Media Properties, LLC. Reproduced under license

## A crisis is...

- Misdeeds and financial crime
- Confrontations, technological and industrial disruptions
- Financial distress and bankruptcy
  - Natural disasters or man-made destructive events
- Malevolence and cyber

"... a major catastrophic event, or a series of escalating events, that threatens an organization's strategic objectives, reputation, or viability."

- Market Share and Value
   Credit and Financial Resources
- Physical Infrastructure
- Intellectual property

- Credibility
- Brand
- Environment
- Profitability
  Solvency/Distress

Crises typically exceed existing mitigation techniques and risk management programs such as Business Continuity, Disaster Recovery, Health and Safety plans, or Emergency Response. What makes crises different?



New leaders and procedures are introduced to the decision-making process



Normal decision-making cycles are compressed based on the urgency of the situation



Leaders have to make decisions without complete information



The stakes are higher - a tactical level decision can quickly have strategic level implications (e.g. threaten reputation and/or viability)

Crisis Management | An Overview So What Could Go Wrong?

"A reputation crisis – where an organization may suddenly lose more than a fifth of its value – carries 80% likelihood in five year period."

#### **Natural disaster**

Hurricane Sandy knocks out power to 2.2M customers and raises questions about utilities' preparation and response capabilities

#### Cyber attack

Hackers overtook control of a network of power systems, leaving 230,000 people temporarily without power and crippling the system for months

## Environmental disaster

A mining tailings dam bursts, flooding communities with toxic sludge and killing 19 people

# 2008

#### Corruption

An engineering firm pays a \$250M settlement to a foreign government and pleads guilty to U.S. corruption and conspiracy charges related to bribery to secure contracts.

# 2010

#### Data breach

Firm account information for 170K employees is stolen, activists attempt to harass employees via disclosed information

#### Industrial accident

An explosion and sinking of an oil rig results in the largest oil spill in U.S. history

## Reputation

2012

An investigation reveals that a major oil company's own research warned of man-made climate change over 30 years ago, but the company chose to invest \$30M in climate denial activities

## 2014

#### Labor strike

Multi-refinery employee strike disrupts operations for 200 production facilities and 65 refineries

#### Liquidity crisis

2016

A solar company declares bankruptcy following a liquidity crisis compounded by high debt, missed filings, a failed acquisition deal, and a federal investigation

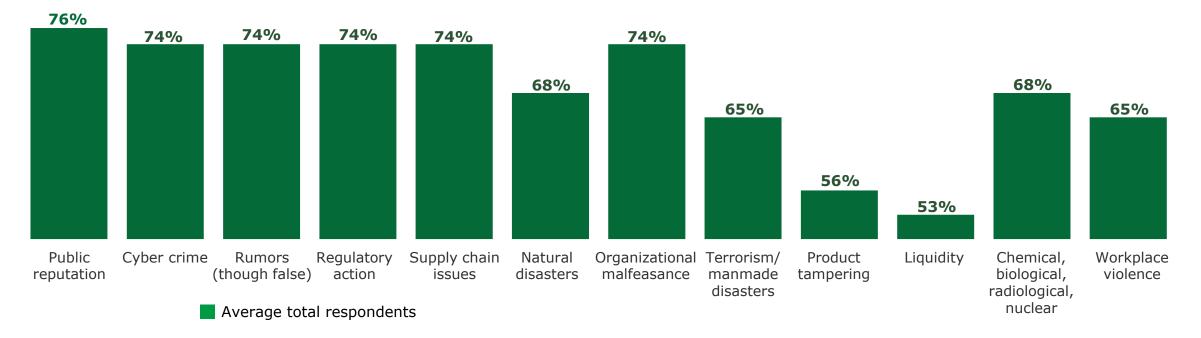
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Timeline is illustrative, not drawn to scale and represents energy & resources (E&R) crises noted from public sources



## Ranking the Threats

We asked organizations how vulnerable they might be to the following crises:

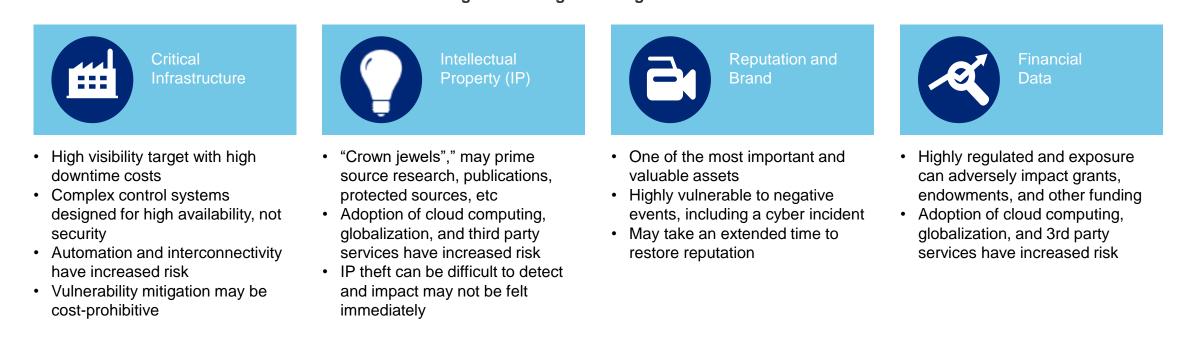


Excerpted from "A Crisis of Confidence." To assess the state of crisis readiness in large organizations, Forbes Insights, on behalf of Deloitte Touche Tohmatsu Limited, conducted a survey of more than 300 board members from companies representing every major industry and geographic region. The survey, conducted in the fourth quarter of 2018, targeted companies with annual revenues that ranged from US\$500 million to more than US\$20 billion (or the equivalent).

## Importance of Crisis Management

Not all events are predictable, and events such as cyber attacks typically exceed existing mitigation techniques and risk management programs (including business continuity, disaster recovery, and emergency response).

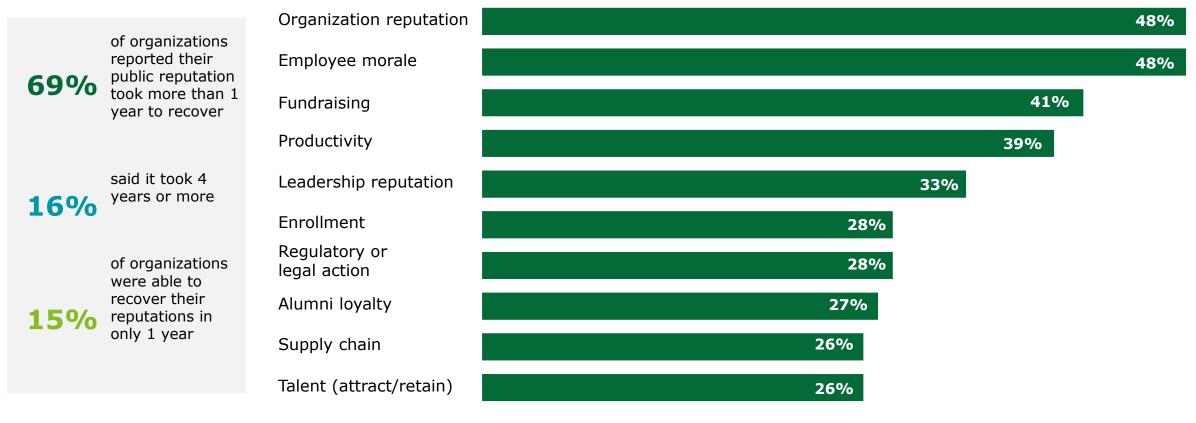
Having an integrated and disciplined program that connects risk $\rightarrow$ issue $\rightarrow$ incident $\rightarrow$ crisis management in place can significantly reduce the financial, legal, and brand image impacts from a major disruption.



#### High Value Targets for Higher Education

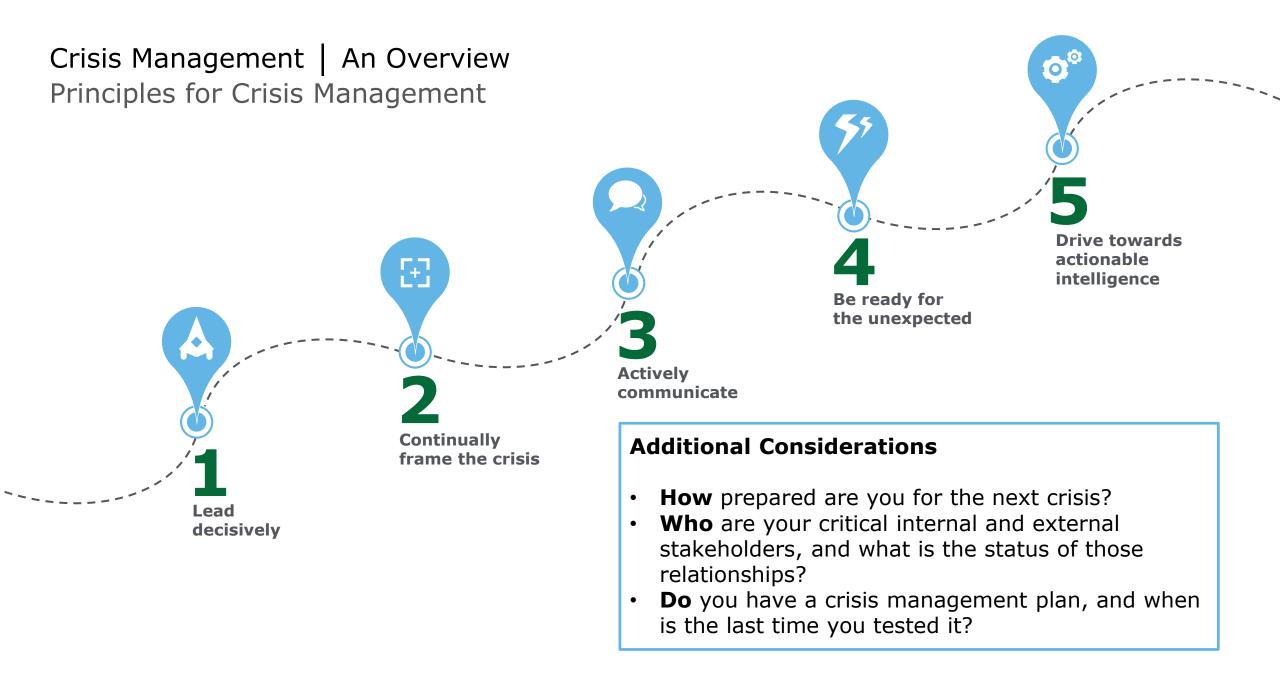
## It Takes a Long Time to Recover. Here Are the Most Severe Impacts.

Board members with direct crisis experience shared the areas of the business where past crises have hit their organizations hardest. Respondents selected all answers that applied.



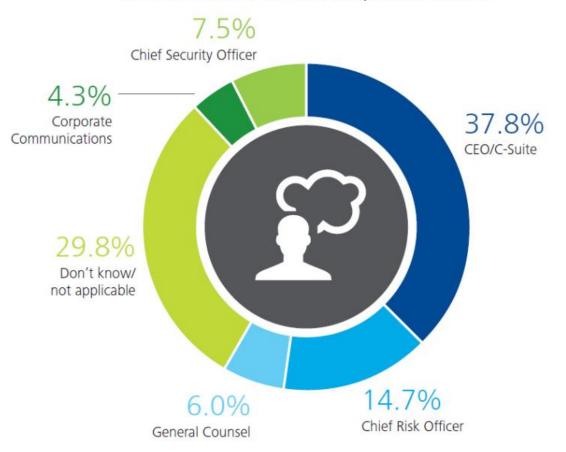
Average total respondents

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## Crisis Management | An Overview Building Crisis Leadership

In a crisis, who in your organization would lead the crisis response?



Breakdown based on 2,060 responses received.

# While any leader attempts to manage a crisis, they will need to avoid these common stumbling blocks, including...

- Excessive focus on fixing the incident, rather than leading the response and addressing the strategic impacts
- Failing to understand or underestimating the scale, breadth, and speed of the crisis and its unanticipated consequences
- Making inaccurate decisions and unintentionally causing harm, due to bad or incorrect information in the first few hours of a crises
- Not having enough time to make sense of the chaotic inflow of information and answering all of the direct inquiries

Quotes from C-Level and Senior Executives about Risk and Crisis Management

"The entire organization does not have a good sense of the true risks they face."

"There is a misunderstanding in the business about how prepared they are and what our priority risks are." "We've split this into 100 parts...and react when one thing comes up. No cohesiveness."

"It's easy to put a plan together, but it's hard if you want it to be executable."

> "Integrated testing, which brings it all together, has yet to happen."

"We focus too much on recovery for the IT part of the organization."

"If you're not carefully examining the true character...and how they're going to operate under pressure...you really put yourself at risk." "We need somebody who can lead confidently during a crisis."

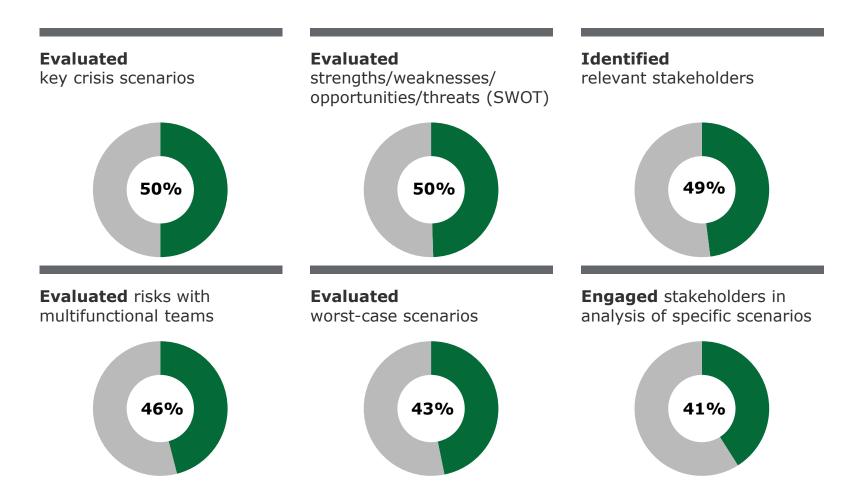
"A good leader, needs to be decisive, needs to get a quick grasp on the situation, needs to be able to make decisions and take action on less than perfect information."

"As we became more powerful as a network, the key attribute was information sharing."

## Feeling Ready vs. Being Ready

Most steps toward crisis preparedness go ignored

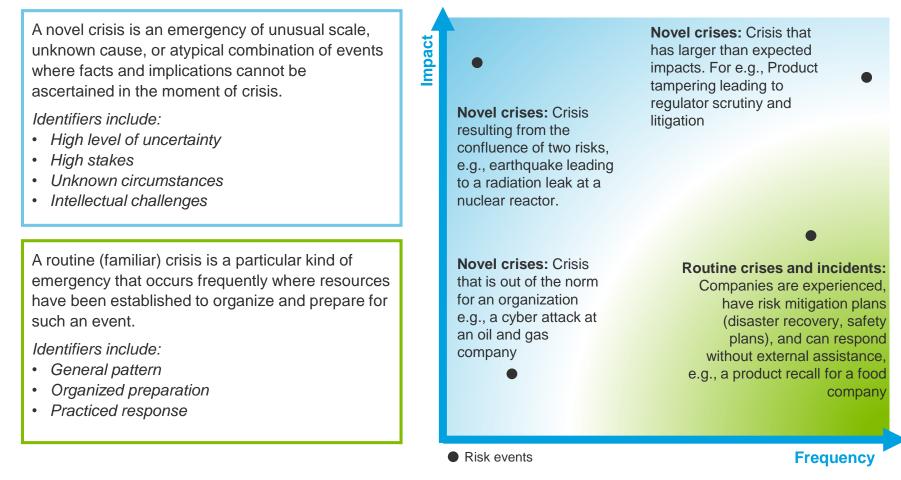
Half the total respondents or fewer reported having engaged in each of a list of specific crisis preparedness activities.



<sup>+</sup>Figures in black are total survey results. Graphical representations are based on these total results.

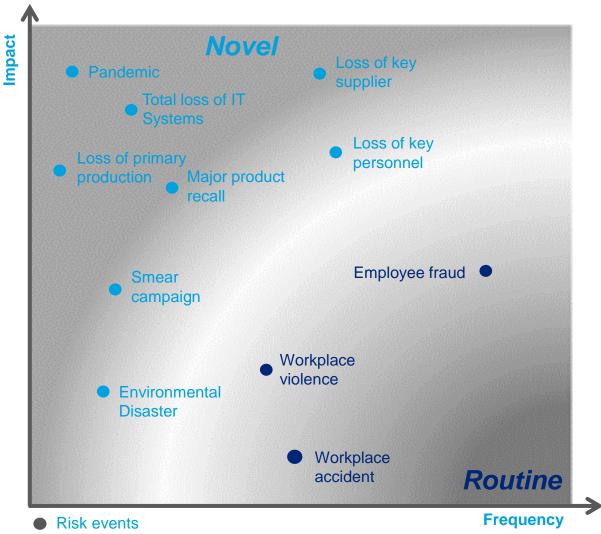
\* Excerpted from "A Crisis of Confidence." To assess the state of crisis readiness in large organizations, Forbes Insights, on behalf of Deloitte Touche Tohmatsu Limited, conducted a survey of more than 300 board members from companies representing every major industry and geographic region. The survey, conducted in the fourth quarter of 2018, targeted companies with annual revenues that ranged from US\$500 million to more than US\$20 billion (or the equivalent).

## Many organizations are prepared for 'routine' crises, but not 'novel' ones



\* Based on interpretations from the work of H.B. Leonard and A.M. Howitt Communicable Crises: Prevention, Response, and Recovery in the Global Arena, pp. 1-25

#### What potential crisis impacts do you want to assess?



**Scale/ Magnitude**: Would your CM response organization be able to handle a typical event if was 2x or 10x the normal size?

**Complex/ Combined**: Would your CM response organization be able to handle multiple typical events if they happened at the same time?

**New/ Unknown**: Would your CM response organization be able to handle known unknowns or unknown unknowns?

#### How could you be better?

#### CRISIS MANAGEMENT MATURITY MODEL

#### GOVERNANCE

Crisis management policy and framework Executive support Program ownership

#### **ORGANIZATIONAL ALIGNMENT**

Business continuity (BC) Risk management (RM) Stakeholder engagement strategy

#### **RESPONSE ORGANIZATION**

Response plans Response structure Support teams

#### **CRISIS DECISION MAKING**

Monitoring Information synthesis Decision tools and templates

#### **CRISIS COMMUNICATIONS**

Communication plan Real-time stakeholder engagement Message authorization and synchronization

#### **CAPABILITY DEVELOPMENT**

Capability measurement Capability development Continual improvement

<b>Tier 1</b> Initial / ad Hoc	<b>Tier 2</b> Repeatable but Intuitive	<b>Tier 3</b> Defined Process	Tier 4Tier 5Managed &OptimizedMeasured(BS 11200*)
Limited awaren Compliance dri No ownership			Active executive involvement Established culture of CM Optimal resourcing
Lack of CM inte No RM link with No defined role			Continual crisis risk updates Contingency planning for future scenarios Public / private coordination
Roles and resp Reliance on ind Few formal stru			Established team with alternates Escalation thresholds by business impact Crisis plan integrated with incident plans
Unclear proces	mation sources ses to collate, analyze, distill in ional awareness	nformation	Early warning systems in place Decision tools consider context and impact Leaders define strategic direction for response
	unications tion with CM or business ny and media channels		Aligned messaging Designated and trained spokesperson Resourced to meet additional demands
No simulation p	rs not trained in roles program in place identifying / learning lessons	•	Progressive training in place Variety of training approaches Robust post-event reviews drive learning

The average is calculated responses from 314 board members from companies representing every major industry and geographic region \*British Standards Institute (2014) BS 11200:2014 Crisis management - Guidance and good practice



## A good crisis management program has these elements...how prepared are you?

#### **Response Enablers**

- What capabilities do you currently have to monitor your internal and external environment?
- During a crisis, how does your team track event details and response actions?
- To what extent does your team have the ability to collect, curate, and disseminate situational awareness in order to inform action?

#### Actions

- In what ways have your crisis leaders been prepared to lead coordination between the public and private sector, should a crisis arise involving critical infrastructure and resources?
- How does leadership ensure that communications are implemented with a tone "set from the top"
- What pre-established process/tools does your CM team use to analyze, assess, make decisions, and take action?



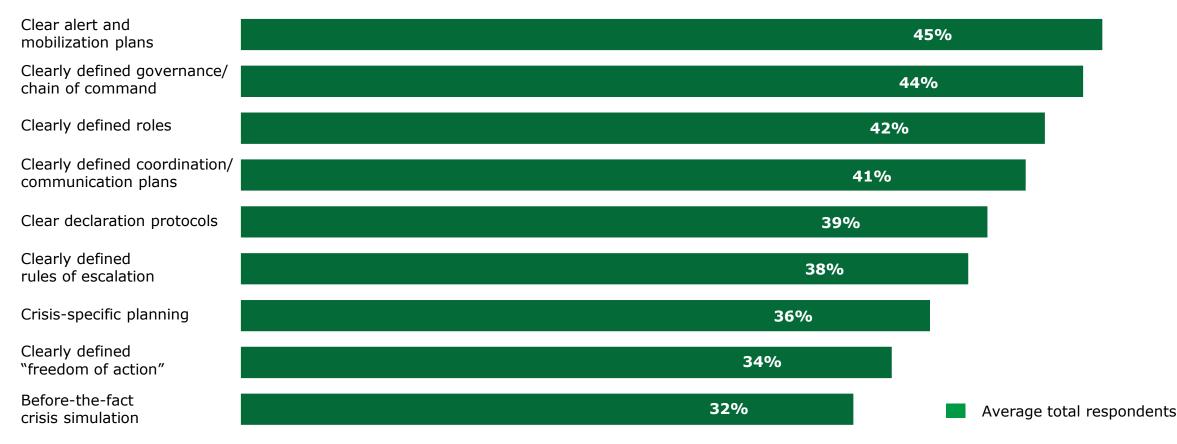
#### **Response Organization Structure**

- How many leaders are identified on your crisis leadership team, and how frequently are they trained on the plan?
- What guidelines exist in your plan to help the CM team identify actions and issues throughout a crisis?
- Where do you document and define thresholds and decision rights?

## Does Your Plan Translate into Action?

#### A closer look at crisis plans and preparation reveals that key elements may be missing.

Fewer than half the total respondents reported that their planning included the elements below. Crisis simulations ranked last out of all planning elements overall.

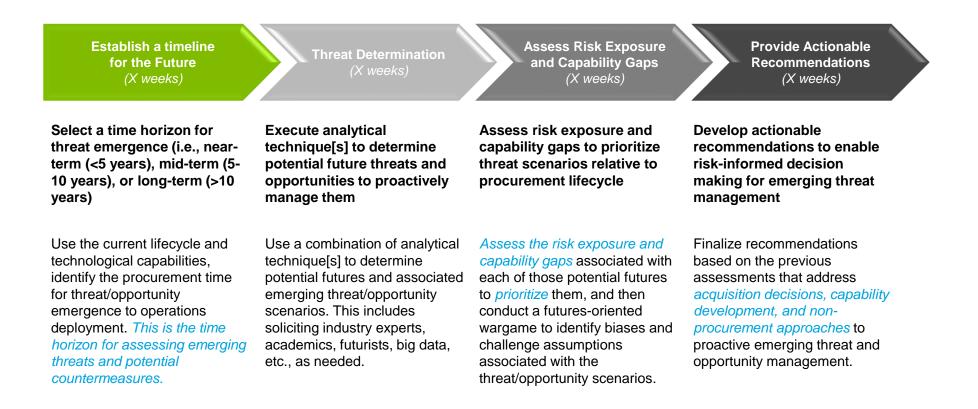


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## Strategic Foresight is a critical element of preparedness and resilience

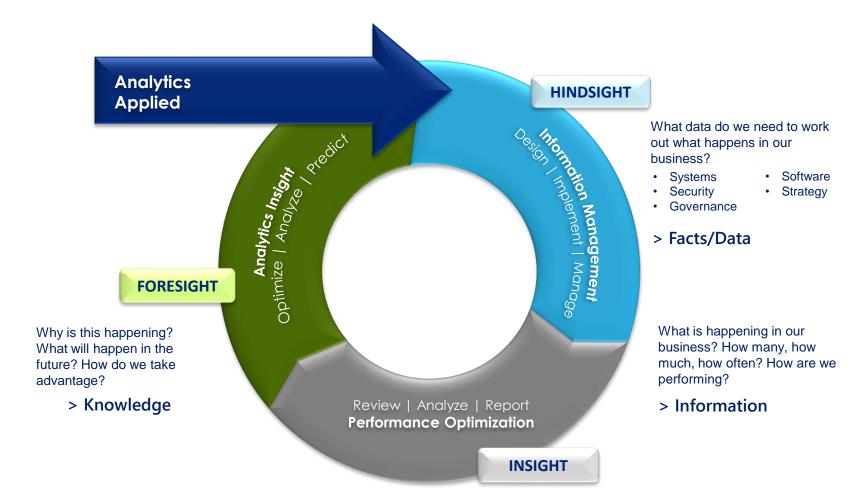
How can you proactively respond to potential emerging threats and identify emerging opportunities?



By identifying emerging threats and opportunities, and developing strategic foresight capabilities, organizations can proactively address future disruptions, *minimizing negative* and *taking positive* risk.

## Risk Analytics—purpose

Risk analytics can be used to provide hindsight into what has occurred in the past, insight into present business dynamics, and foresight into potential futures.



Rehearsing and practicing *before* a crisis leads to greater success in responding and recovering *afterward* 

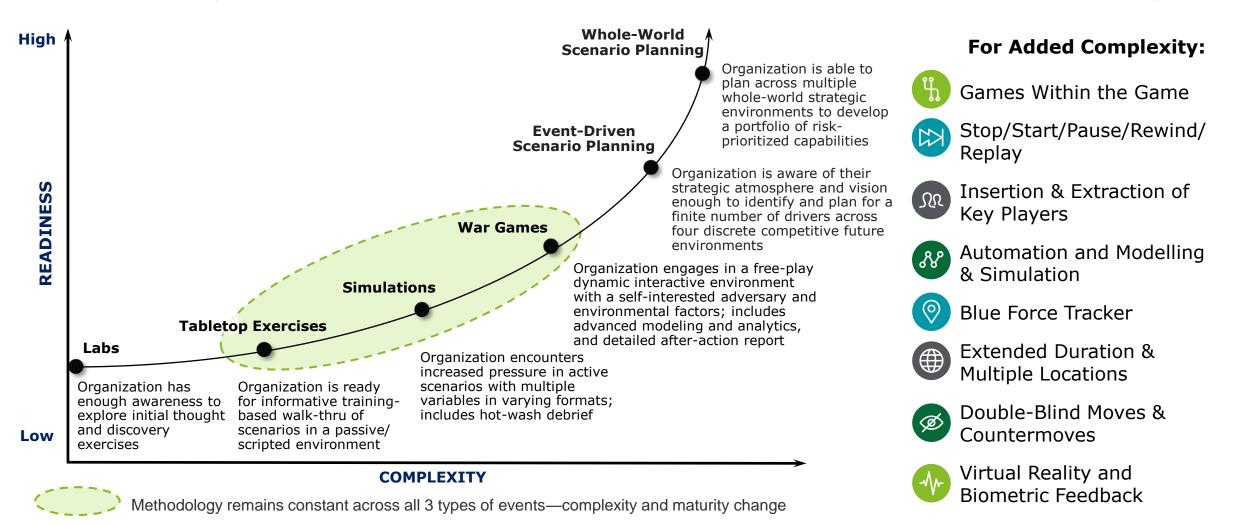


- Defined roles and authorities
- Practiced coordination between groups
- ✓ Prepared clear guidance
- Developed tools and templates
- ✓ Integrated lessons learned

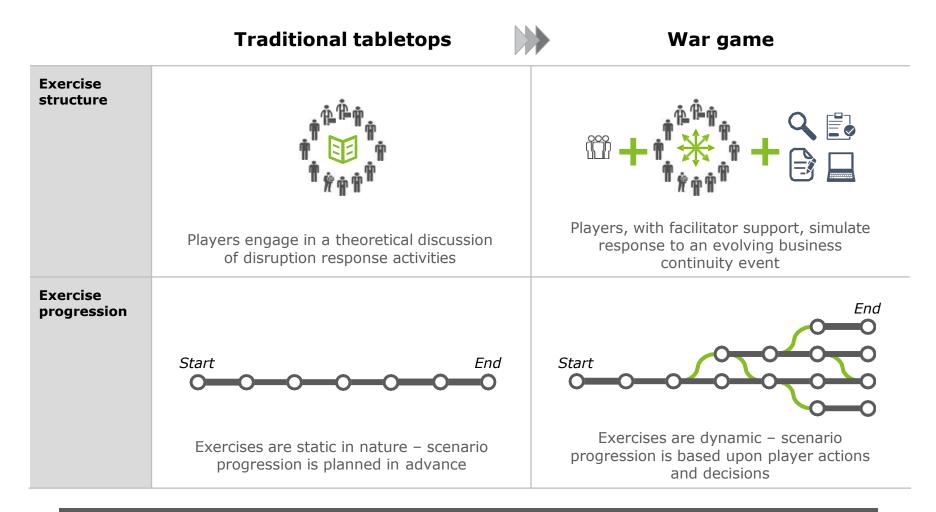


## **Immersive Experiential Learning**

Organizations will fall along different stages of the Readiness Complexity curve as they understand their environment and prepare for their future. Understanding where you are on the curve will help identify conversations and tools to help increase your awareness and foresight.



#### What if we already do exercises?



War games are more realistic and more dynamic than traditional tabletops, resulting in increased participant engagement and learning

#### Considerations for building a practical and sustainable crisis management program

- □ Establish the vision and mission that aligns the leadership, operations, and stakeholders
- □ Build a governance program get business leaders involved
- Develop the plan and include the right stakeholders (including the "unusual suspects")
- Prioritize sensing, scanning, and anticipating in the areas biggest risk (threats *and* opportunities)—this may not always be the business functions with the most revenue and brand impact
- □ Understand the connectivity and progression from risk → issue → incident → crisis
- □ Exercise, Exercise, Exercise...capture lessons, train to learn them
- □ Maintain the right focus—address the strategic impacts; avoid fixation on the tactical
- □ Be ready for the unexpected—the "enemy" gets a vote, as does the market...honestly answer:
  - ✓ What if...?
  - ✓ Are you as prepared as you think you are?
  - ✓ Are you as prepared as you need to be?



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