Beyond the Matrix: Understanding the Impact of Risk Across Your Management System



About the Presenters



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About the Presenters



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Agenda



Risk and Risk Based Thinking



Risk Management



Risk Threats vs. Opportunities



Importance of Integrated Risk



Risk Beyond Internal Management Systems



Innovations in Assessing Risk





What is Risk?

- ISO 31000:2018
 - Risk is the effect of uncertainty on outcomes.
 - Anything that could prevent an organization from achieving its objectives is a risk.
- Risk is not universal across an organization. It is relative based on the resiliency of different parts of the system.
- Hazards, threats, and any type of uncertainty leads to the possibility of risk.





Risk-Based Thinking

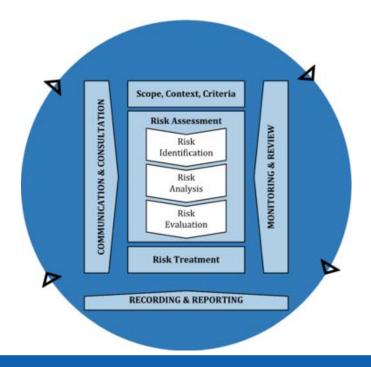
- Risk-based thinking is about creating an organizational mindset that considers both threats and opportunities.
- It is an essential element of ISO 9001:2015.
- Risk-based thinking sees all the places risks and opportunities can be hiding.
- Risk-based thinking can help you:
 - Reduce frequency, likelihood, and costs of losses
 - Improve response time
 - Improve learning
 - Capture opportunities for improvement





Risk Management

ISO 31000:2018 provides a risk management framework as follows.





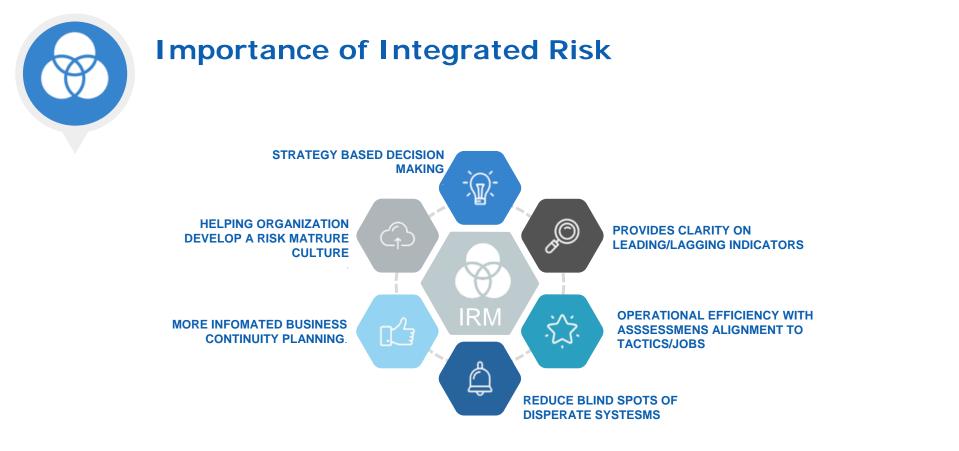


Risk: Threats vs. Opportunities



COVID-19 produced a surge in membership but a decline in production.







Importance of Integrated Risk

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Importance of Integrated Risk

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Risk Beyond Internal Management Systems

Case Study

•Large multi-national biotechnology corporation with a global supply chain

•Conducted supplier risk assessments regularly for all suppliers at a certain threshold

•2011 Japanese earthquake rendered several major suppliers incapacitated for months

• Lack of supply and suitable replacement left production at a stand still

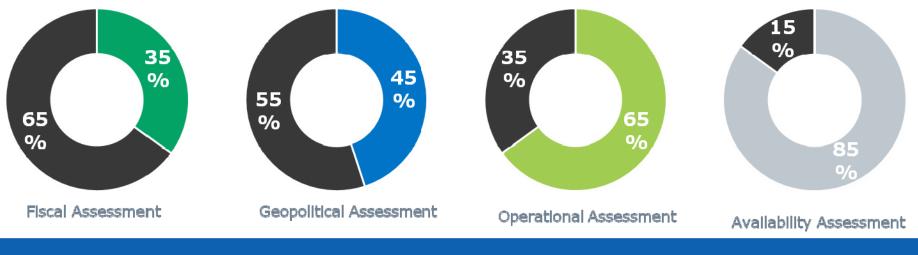




Risk Beyond Internal Management Systems

Case Study

•Resulting corrective action was the creation of a fully integrated supply chain risk assessment that included external factors and identified acceptable replacements



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Risk Beyond Internal Management Systems

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Innovations in Assessing Risk



VIDEO CAPTURE ASSESSMENTS

Using existing video surveillance technology to capture and identify observations, hazards and potential risk.

WEARABLE TECHNOLOGY

Using a variety of existing and emerging technology tactical on the job assessment can be completed with minimal human involvement

BIG DATA – PREDICTIONS, PRESCRIPTIONS AND INSIGHTS

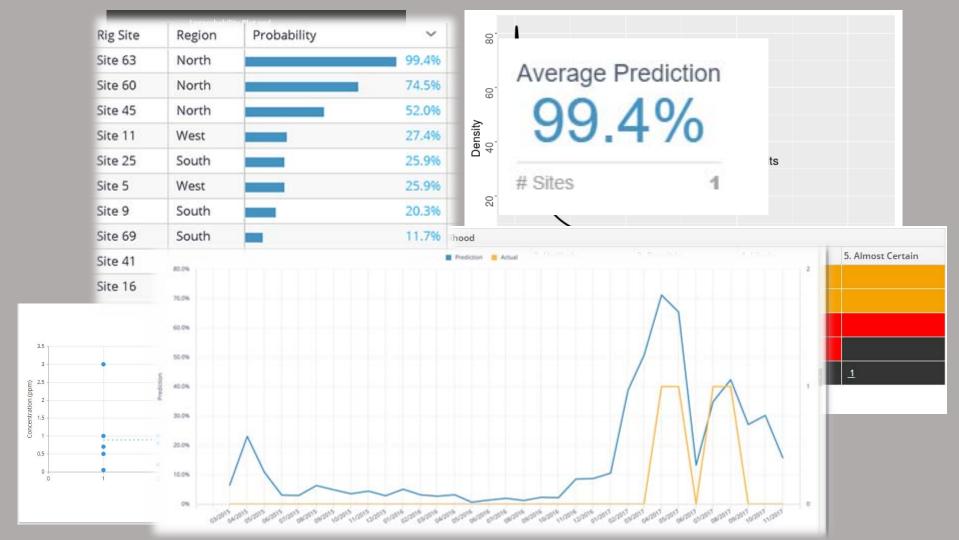
Using a much larger data pipeline of event capture can an organization or software system gain additional insight into risky situations



MATHMATICAL RISK MODELING

Various innovations in prediction and mathematical modeling can allow strong modeling of risk prone areas







- Major US Airline trialing video surveillance technology at ticketing counters and gates
- Software is pre-programed to identify various events
- Events are logged an aggregated for all participating locations
- Results are tagged as incidents or hazard observations



Polling Question?

Do you want an Intelex representative to send more information on its solution?







Thank You!

