BIG OR SMALL, PREPARE FOR THEM ALL



Supply chain management is risky business.

Not only does risk come in many forms, but it is constantly evolving and growing in magnitude year-over-year. And while natural and man-made disasters often capture headlines and attention, risk in day-to-day business activities and decisions can be just as impactful to your business. Making risk management strategies a top priority is how leading companies are ensuring success both in 'normal' operating conditions and when faced with catastrophic supply chain disruptions.

Index, powered by Dun and Bradstreet:

The CIPS Risk









Risk

Competition

Employee skills and talent

acquisition/retention

More controllable, can be quantified

and anticipated, risks that are part of

doing business, can be planned for

- IT system changes
- Security breaches
- Supplier quality/performance Labor issues
- Regulations
- products Rapid growth

Counterfeit/Contaminated

- Supplier base changes





Can be anticipated but not controlled; hard to quantify/plan for

Demand fluctuations

Transportation delays Fuel pricing

Supply disruptions

- Availability/Pricing of
- raw materials Limitations in
- planning/execution



Out of our control, hard to

anticipate/plan for, often large scale, get lots of media attention,

more difficult to plan for Natural disasters Political and social

War

change/unrest

- Pandemics/Disease Terrorism/Piracy
- Accidents





can be put in place to improve reaction times and decrease impact.



In the US, from the 1980s

Business practices designed to make the supply chain more efficient from a cost and agility perspective also create risk:

Based on a survey of ~800 publicly traded firms who

announced a major supply chain disruption⁵:

Avg. Impact on Stock Price Performance From Disruption Announcements

1st Year After

-10.45%



Lean and Just-In-Time practices

Outsourcing

Single-source suppliers

Centralized suppliers/operations

MAJOR RISK DRIVERS

no redundancy

more susceptible to political/environmental

related disruptions

lack of visibility, communication

and collaboration

shortened reaction times,

less stock availability

longer lead times, loss of control

Siloed business processes

2nd Year After

-1.77%



Day Of Announcement

-7.18%

-107%

-92%

~60%

of companies have

immature risk processes⁶

-114%

The negative effects of supply chain disruptions on stock value have long-term impact. Avg. Impact on Profitability Resulting From Disruptions

Operating Income

Return on Sales

Return on Assets

Only about 1/5 of organizations have a risk team

within their supply chain organization²

Achieving visibility across

disparate systems, and

beyond direct suppliers

into sub-tiers

Sales Growth



CHALLENGES TO RISK MITIGATION

When preparing for and reacting to a disruptive event, the

following competencies are critical:

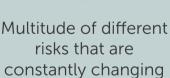
Unified view of your entire supply chain—regardless of the

on how best to react.

supply chain changes; ability to understand the context and

-6.92%





Visibility

Scenario Simulation

and Evaluation

Multi-Party

Risk management looks

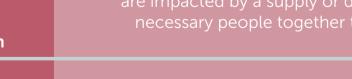
different in every industry;

there is no single solution to

managing risk

COMPETENCIES REQUIRED

impact of those changes so next steps can be determined **Exception Management**



Collaboration

Strongly influence business profitability and avoid margin loss Minimize negative impacts to earnings per share

Maximize reaction time in crisis situations

Drive customer satisfaction and retention





Prevent some risks entirely, stop others from becoming major disruptions

Make the right decisions the first time Be more prepared to deal with any risk that comes your way

Advantages to focusing on risk management include:

Minimize damages and potentially gain competitive advantage

As a supply chain professional, you can't predict the future. Nor can you plan for every potential risk your supply chain might face. But you can take a proactive approach to risk management and set yourself up for success.





Mitigating Strategies, University of Texas at Dallas, School of Management, April 2006

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54% of companies investing in

risk management saw 26-100% ROI7

1 CIPS Risk Index: A Global Retrospective, Chartered Institute of Purchasing & Supply, Q1 2014 2 John, G., Innovative Approaches to Supply Chain Risk, SCM World, July 2014 3 Cecere, L., Supply Chain Insights: Can You Afford the Risk? A Quantitative Study of Risk Management, Supply Chain Insights, April 2014

6 Kyratzoglou, I., Making the Right Risk Decisions to Strengthen Operations Performance, MIT System 7 Don't Play it Safe When it Comes to Supply Chain Risk Management, Accenture Global Operations

4 Stecke, K., and Kumar, S., Sources of Supply Chain Disruptions, Factors that Breed Vulnerability, and

5 Hendricks, K., and Singhal, V., The Effect of Supply Chain Disruptions on Long-term Shareholder Value, Profitability, and Share Price Volatility, June 2005

Want to learn more about risk management?