

Körber Supply Chain

# Master Class Series

Today's Class:  
Building a resilient supply chain



# Speakers



**Thomas Goldsby**

Professor

James A. Haslam, II Chair of Logistics  
The University of Tennessee Knoxville



**Zubair Amla**

Senior Sales Engineer  
Körber Supply Chain

# Supply Chain Master Class: Disaster Mitigation

Why are we here? What are we trying to accomplish?

## Class Schedule:

- October 15: Building a resilient supply chain
- October 20: Post-COVID supply chains: lessons learned
- October 22: Augmenting the workforce with AMR
- October 27: Post-COVID safety measures for employees

## Master Class Series – On-Demand

- *Addressing Labor Challenges*
- *Cold Storage Trends*
- *Warehouse Technology Excellence*
- *Workplace Efficiencies and Safety*
- *SAP Supply Chain Excellence*

# Housekeeping



All phone lines are muted

Recording of today's class and slides will be emailed to you within 48 hours

Questions:

- Ask questions during today's class in the GoToWebinar Questions window
- Questions will be addressed at the end of today's class or we will follow up with questions via email after class

Handout: Flexibility in WMS

Poll Question: How prepared is your supply chain to handle disruptions?



# Ready... Set... Go!!!



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**But, inevitably,...**



*When straight-line speed won't get the job done!*

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# And, inevitably...



”Coronavirus has disrupted supply chains for 100% of U.S. companies.”

- Robert Martichenko

*Post-COVID-19 Crisis Supply Chain (March 2020)*

# Introduction

In today's globalized and interconnected world, any major disruption – from a disease to a fire – has the potential to cascade through supply chains and permeate other systems.

Today's supply chains are:

- Interconnected
- Tuned for cost and speed

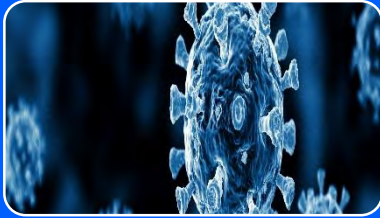
Many organizations focus on how to make our supply chains more efficient by:

- Reduce operating costs
- Lean manufacturing
- Just-In-Time
- Reduced product lifecycle and outsourcing
- Investing in Technology





# Causes of disruption in our Supply Chain



## Natural Disasters

- Global Pandemic (COVID19, SARS, H1N1, etc.)
- Floods, Tsunamis, and Hurricanes
- Earthquake



## Accidents

- Train Derailments
- Airplane Accidents
- Ocean Container Spills



## Intentional Disruptions

- War
- Terrorist Attack
- Cyber Attack



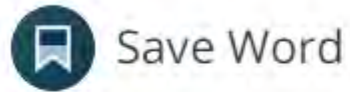
## Other

- Geo Political (Regulations, Strikes, etc.)
- Currency Fluctuations
- Supplier goes out of Business

# What is Resilience?



**resilience** noun



re·sil·ience | \ ri-'zil-yən(t)s  \

## Definition of *resilience*

- 1 : the capability of a strained body to recover its size and shape after deformation caused especially by compressive stress
- 2 : an ability to recover from or adjust easily to misfortune or change

# Why Build a Resilient Supply Chain



*“Most supply chain leaders recognize that becoming more resilient is a necessity in the current environment. However, measures such as alternative factories, dual sourcing and more generous safety stocks go against the well-versed philosophy of lean supply chains that has prevailed in recent decades.”*

*-Geraint John, VP Analyst at Gartner*



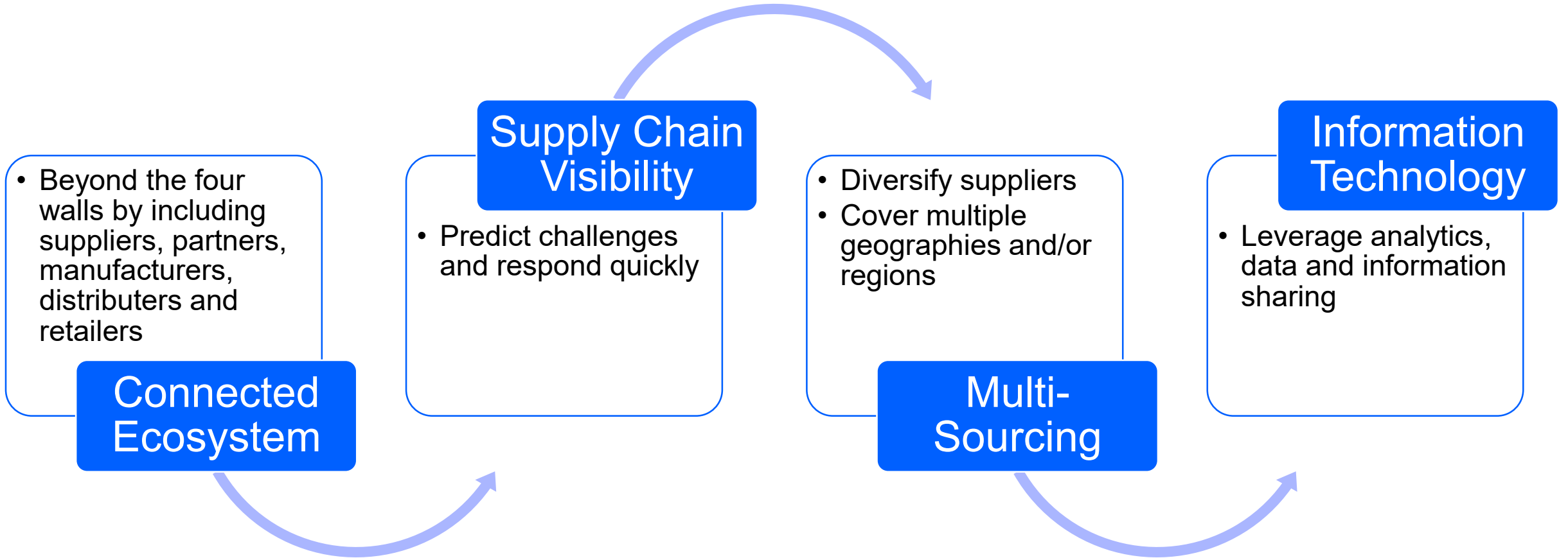
# Why Build a Resilient Supply Chain



# Strategies to Build a Resilient Supply Chain



# Strategies to Build a Resilient Supply Chain





# Questions & Discussion

# Next Supply Chain Master Class



## Post-COVID supply chains: lessons learned

COVID-19 has presented an unprecedented challenge to supply chains around the world with rapidly evolving customer demand and expectations meeting strained resources and lack of automation.

Join Derek Curtis on Tuesday, October 20<sup>th</sup> to hear about some of the most valuable lessons learned from supply chain industry experts in this Masterclass; and explore how COVID has reshaped our thinking around disaster mitigation.

### **Contributor:**

Derek Curtis

Territory Manager

Körber Supply Chain