

## **SC Management: Driving Strategic Advantage**

Tuesday:E62 &Samberg

- Introduction & Ice Breaker
- Halloran Metals Case: Jim Rice
- Beer Game: Dr. Chris Caplice
- Beer Game Debrief: Jim Rice
- Adjourn 5:00 pm
- Reception at Champions (Marriott) hard stop at 7 pm.
- Wednesday: E62-276
- Wednesday: Intro to SC Financial Accounting and Analysis: Jim Rice
  - Activity Based Cost Accounting; Dakota Office Products Case: Jim Rice
  - Working Capital & Cash-to-Cash Conversion Cycle: Dr. Jarrod Goentzel
  - Working Capital Simulation: Jarrod Goentzel
  - Evaluating Supply Chain Initiatives: Jarrod Goentzel
  - Last Mile Logistics: Dr. Matthias Winkenbach
  - Adjourn 5:15 pm
  - OPTIONAL RESEARCH BRIEFS
  - Sustainable Sourcing Dr. Alexis Bateman
  - S&OP Overview Kai Trepte
  - Adjourn 6:15 pm





## **SC Management: Driving Strategic Advantage**

- Thursday E62-276
- SCM Introduction & info on recruiting Sue Wang
- Supply Chain Risk Management: Resilience Jim Rice
- Supply Chain Resilience SCREAM Exercise Dr. Josué Velázquez
- Class Photo
- SCREAM Debrief Josué Velázquez
- · Zara Fast Fashion Case: Jim Rice
- Global Supply Chain Business Case Simulation: Jarrod Goentzel
- Adjourn 5:15 pm
- OPTIONAL RESEARCH BRIEFS
- Omni-channel & Supply Chain Dr. Eva Ponce
- Sustainable Supply Chains Josué Velázquez
- · Adjourn 6:15 pm
- Friday SAMBERG
- Global SC Simulation Debrief: Jarrod Goentzel
- The Power of Resilience: Prof. Yossi Sheffi
- SC2020: Rethinking Your SC Strategy: Dr. Roberto Perez-Franco
- · Adjourn 2:15 pm



Шіг

## **Halloran Metals Case**

- Does Halloran have a strategy?
- Is it a good strategy?
- Allied & Halloran
  - Distinct strategies, competing in different ways both can be successful
- Alignment is critical
  - The supply chain must serve the business strategy



PliT

## **Halloran Metals Case**

- Does Halloran have a strategy?
- Is it a good strategy?
- Allied & Halloran
  - Distinct strategies, competing in different ways both can be successful
- Strategy
  - Deciding what you WON'T do!
- Alignment is critical
  - The supply chain must serve the busine⁵s strategy



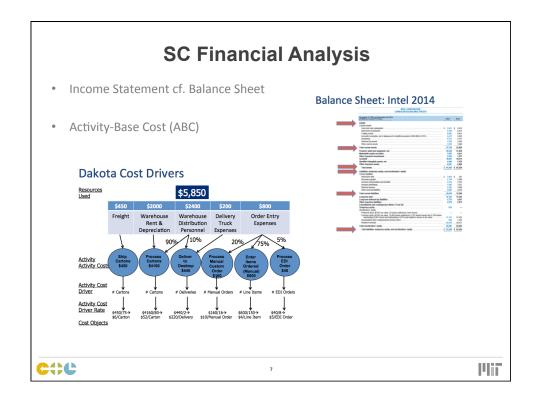
Hir

## The Beer Game

- Playing the Game
  - Mayhem, limited data, uncertainty but...
  - Similar to the real world
  - The winner(s) Lita Beer OR Eva Beer?
- Debrief
  - Tendency to respond to events
    - Events → manifestations of patterns
  - The possibilities: 10X improvement!
  - Key patterns found in SCs
    - Oscillation, Amplification, Phase Lag the BULLWHIP EFFECT
  - Events → Patterns → Structure
    - Leverage at structure level







# **SC Working Capital Simulation**

Margin

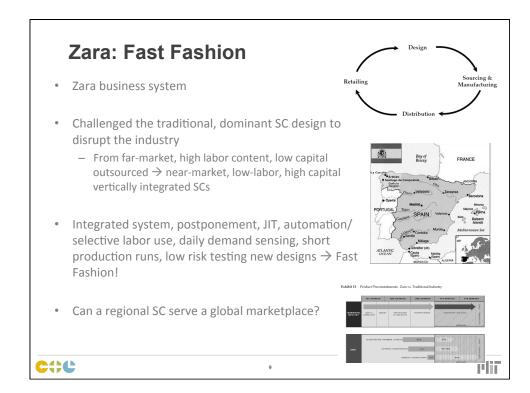
Growth

- Sun Nutraceuticals:
- Distributor with high turnover, thin margins, breaking even, high receivables, flat growth....
- Considering investment options
- WACC vs Cost to borrow
- Cash constrained
- Balancing Margin Revenue Growth Asset Utilization



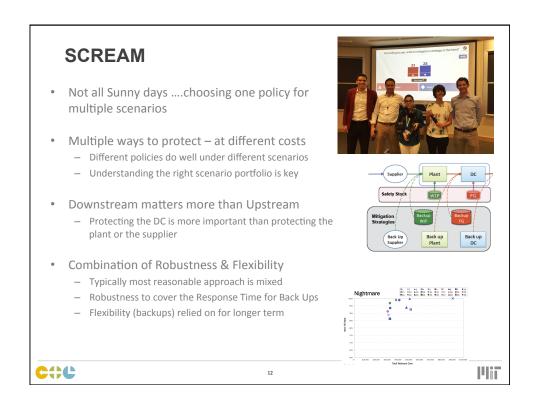
Шіг

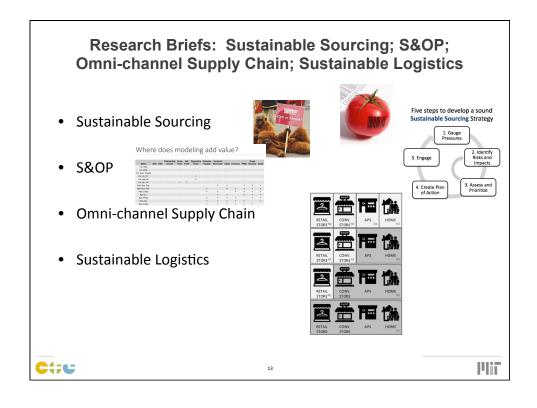
Asset Utilization





# SCRM & Resilience • Low probability/high impact disruption • SCRM Framework - Vulnerability Assessment - Monitoring & Measurement - Crisis Mgt and Emergency Response - Mitigation and Implementation • Failure mode focus Adding Resilience to a Supply chain Adding Resilience to a Supply chain







## SC2020: Rethinking Your SC Strategy

- Lamynix and Zara cases
- We're biased toward gradual improvement, hard to imagine huge change
  - Revisit your assumptions about the future
  - Develop success strategies for each future
  - Use scenario planning and risk management to prepare your supply chain for the future
- Four scenario possibilities
  - Millions of Markets, Naftastique!, One World Order, Global Marketplace
- Align SC strategy to support corporate strategy













l'lii

# **SCM: Driving Strategic Advantage**

Today you leave MIT with:

 a tool set of frameworks and methods for thinking differently about designing and running your supply chain/supply network,

15

- many illustrations of these methods with examples of the great potential
- a new network of colleagues

How will you apply these learnings?





# Thank you....

- ...For investing your time,
- ...For engaging so deeply,
- ...and for helping us with two final requests



17

Шіг

# Two parting requests....

- Give us your feedback
  - This helps us improve our program
  - 3-4 minute survey at
  - https://www.surveymonkey.com/r/GFHPJHV
- Tell others and.....
- Send a colleague to our next course
  - If you've had a good experience, tell a colleague and send him/her to a future CTL exec ed program



18

Шіг

