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Trends in Supply Chain Management

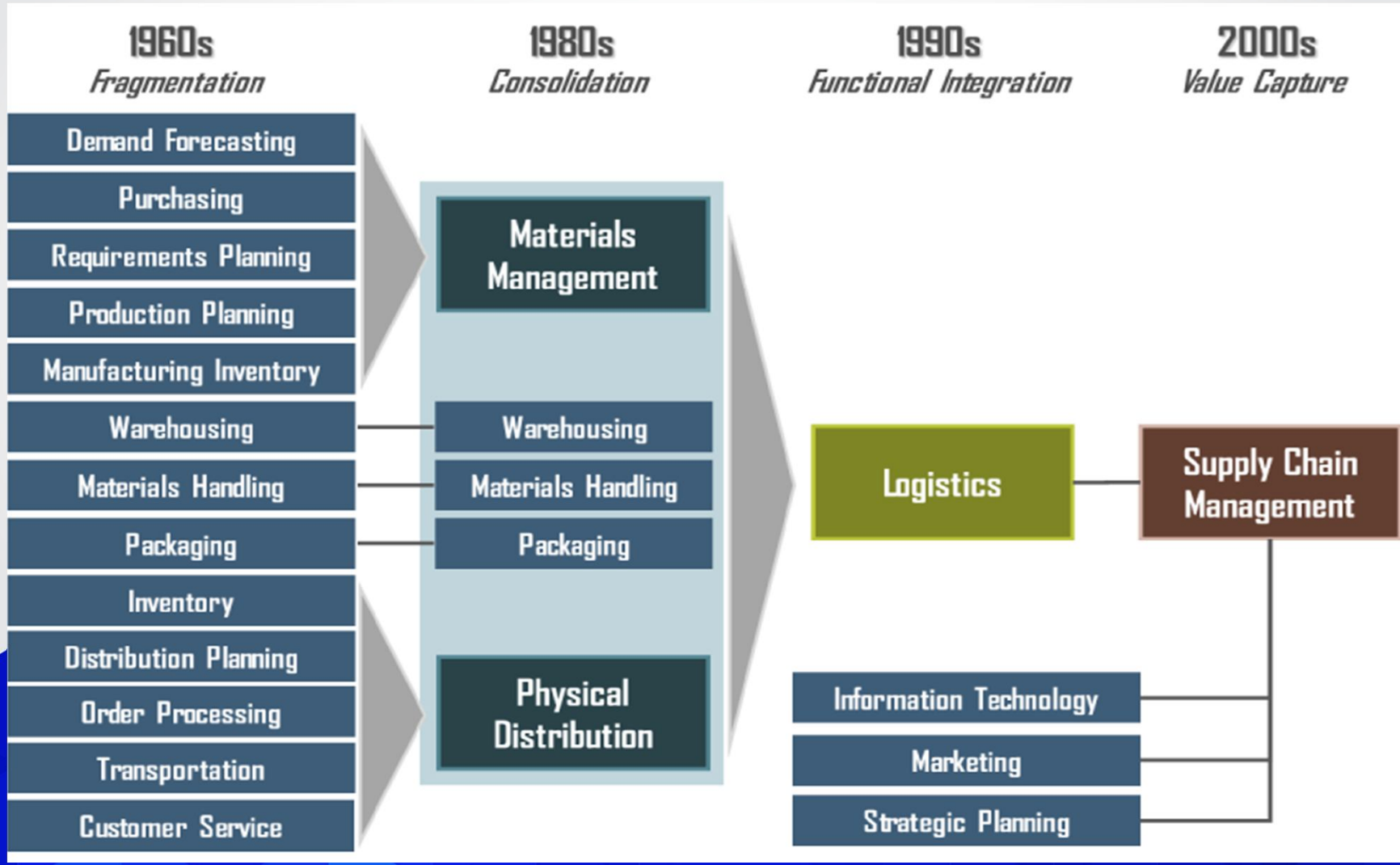
Ricardo Moreno - MCI

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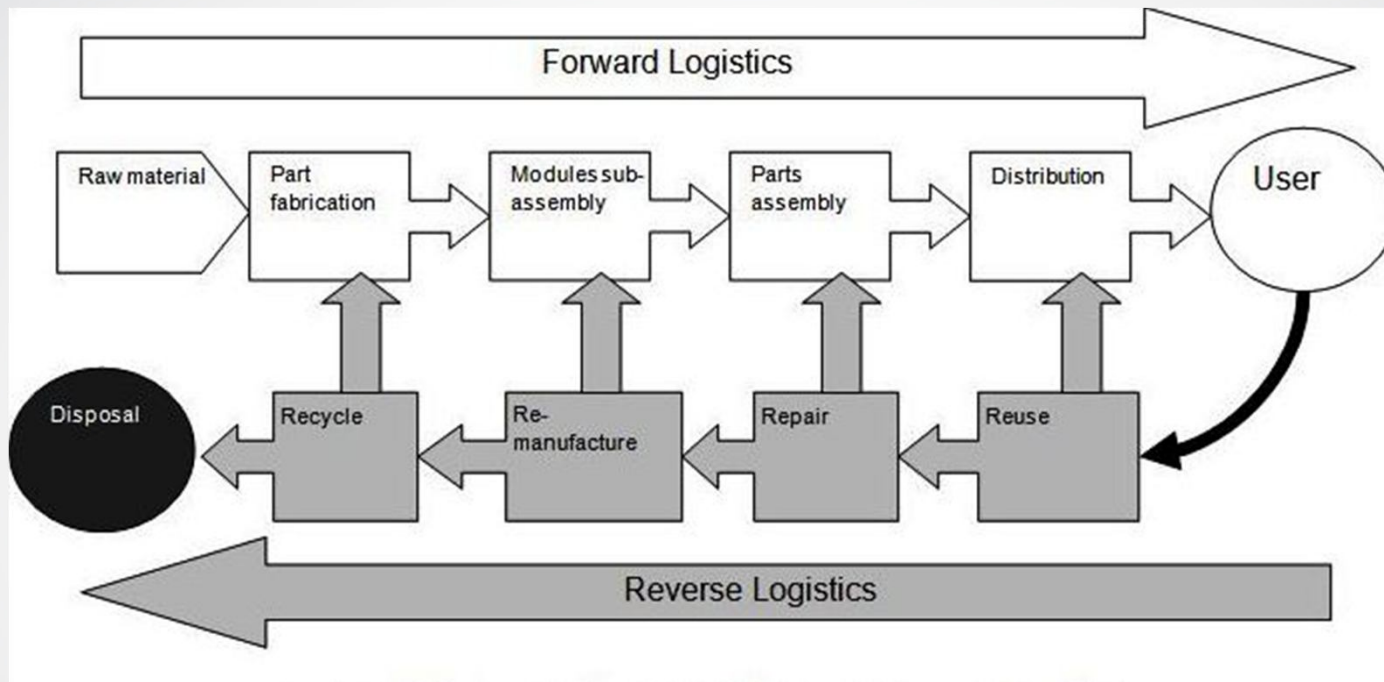
- Context – SCM origins
- Trend 1 - Green Supply Chains
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Context

First of all a flashback...



1. Green Supply Chains

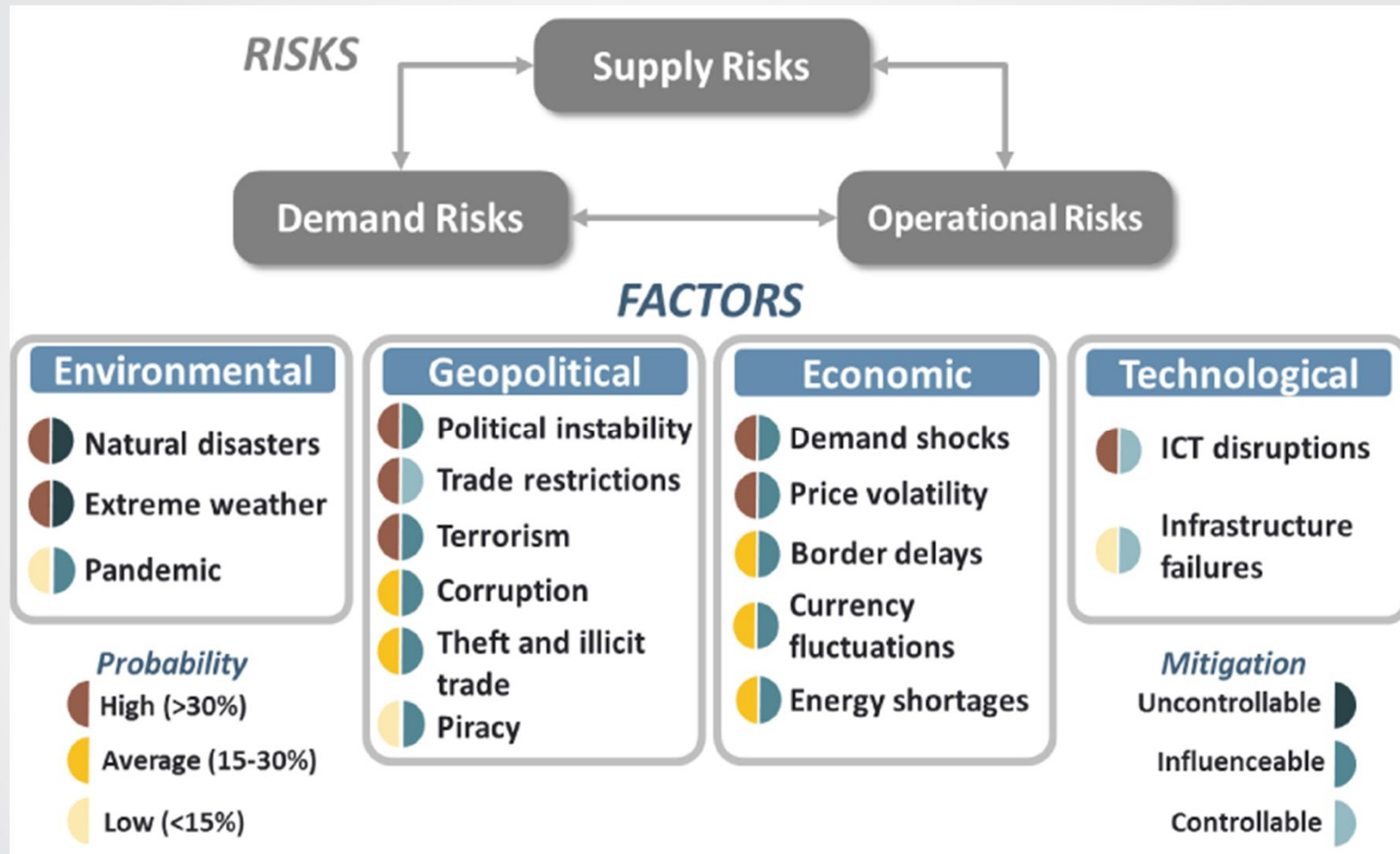


«Firms are extending green efforts beyond the four walls of their plants to include logistics and suppliers».

Source: Iowa State University



2. Supply Chain Risk Management



2a. SCM Risk Global Initiatives



3. Supply Chain Agility: sense and respond

- QR
- ECR



5. Accelerated Incorporation of Technologies

- RFID vs. Bar Code
- EPC
- Tracking & Tracing
- WMS – TMS – YMS
- Total Visibility
- Voice Picking
- Real time data
- Intelligent Transport Systems
- Drone delivery

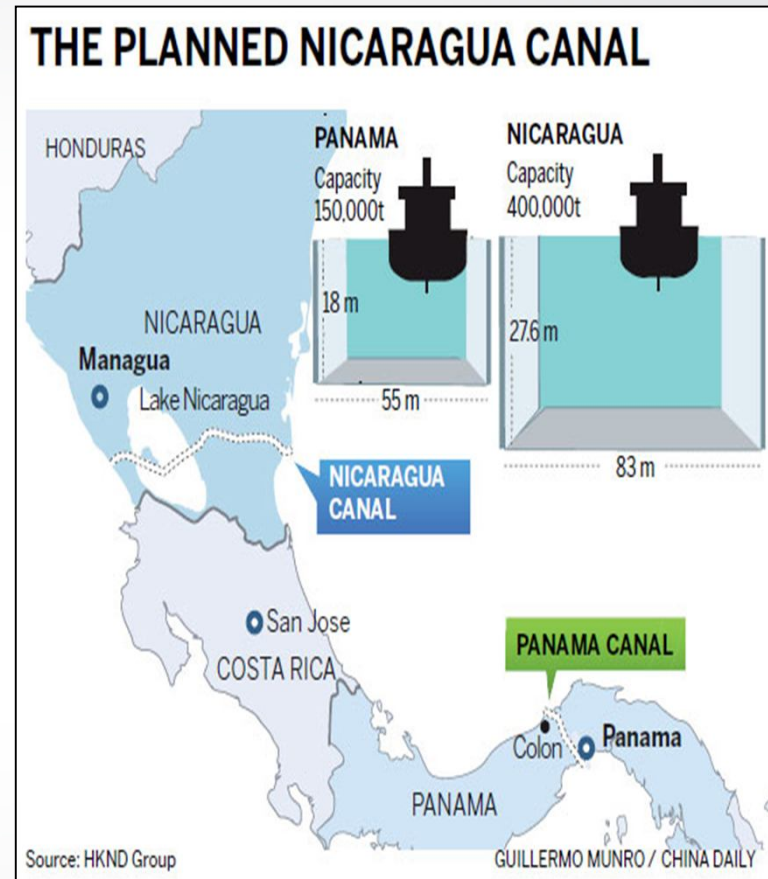
Pioneers:

DHL, Alibaba & Amazon.



6. Emerging Transportation Corridors

- Panama Canal enlargement
- Nicaragua Canal?
- Suez canal enlargement
- Northern Sea Route passage re-opening



DHL WEST CORRIDOR



WEST CORRIDOR
FASTEST LANE BETWEEN
CHENGDU AND LODZ
14 days
9,862 km

CONNECTING
MAJOR CITIES
IN CHINA &
IN EUROPE

ROUTING

RELIABILITY

WEEKLY SERVICE
HIGHLY RELIABLE
DOOR-TO-DOOR
LEAD TIMES

-25°C TO 25°C

UNIQUE TEMPERATURE
CONTROLLED SOLUTION

SOLUTION

STATE-OF-THE-ART
TRACK & TRACE SYSTEM
VISIBILITY THROUGHOUT
THE JOURNEY INCLUDING
CONTAINER TEMPERATURE

SECURITY

MEETING YOUR
ENVIRONMENTAL
RESPONSIBILITY
COMMITMENTS

ENVIRONMENTAL

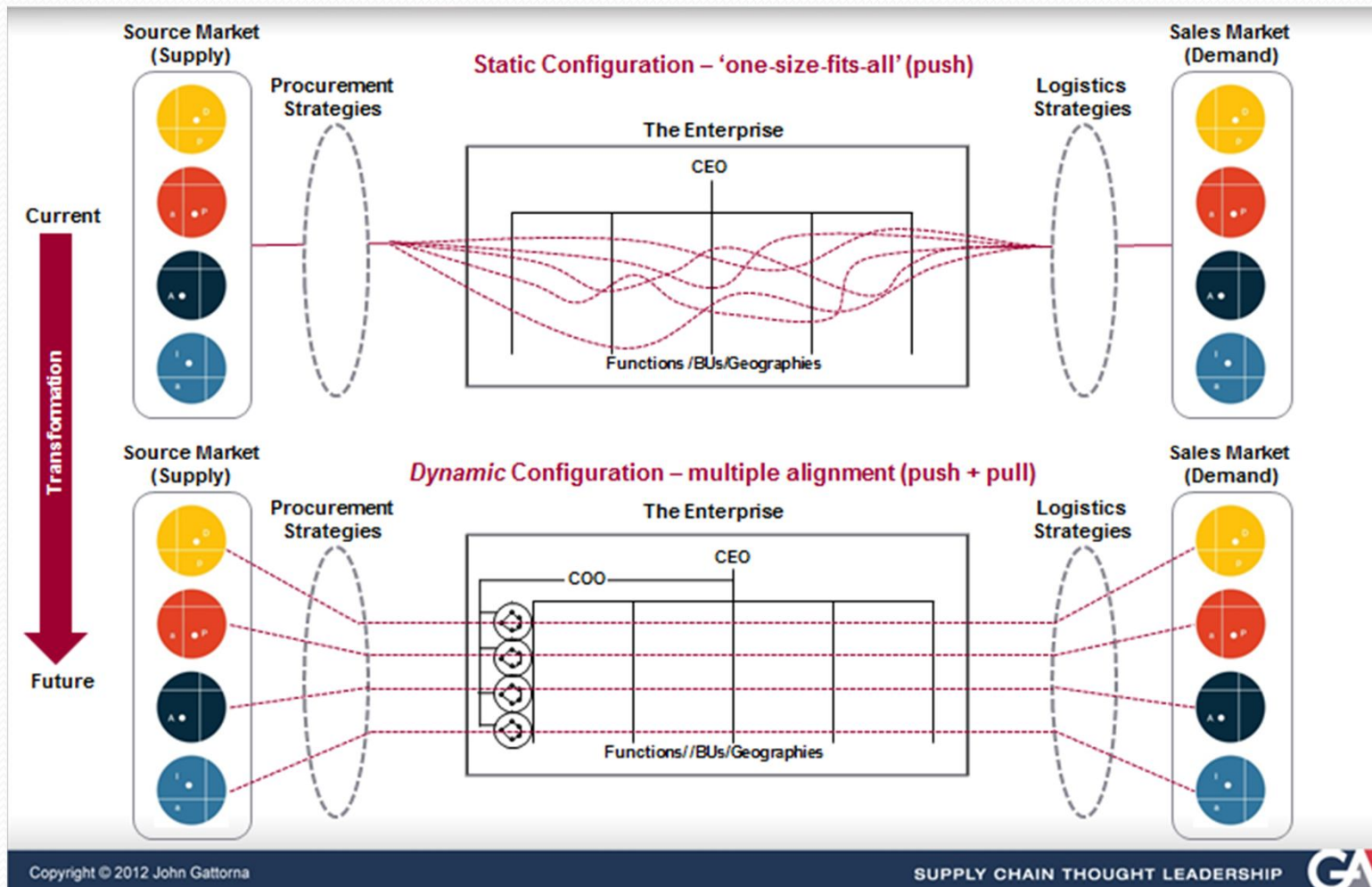
GO GREEN
Climate Protection with
Deutsche Post DHL

6b. Emerging Transportation Corridors



7. Demand Driven Chains

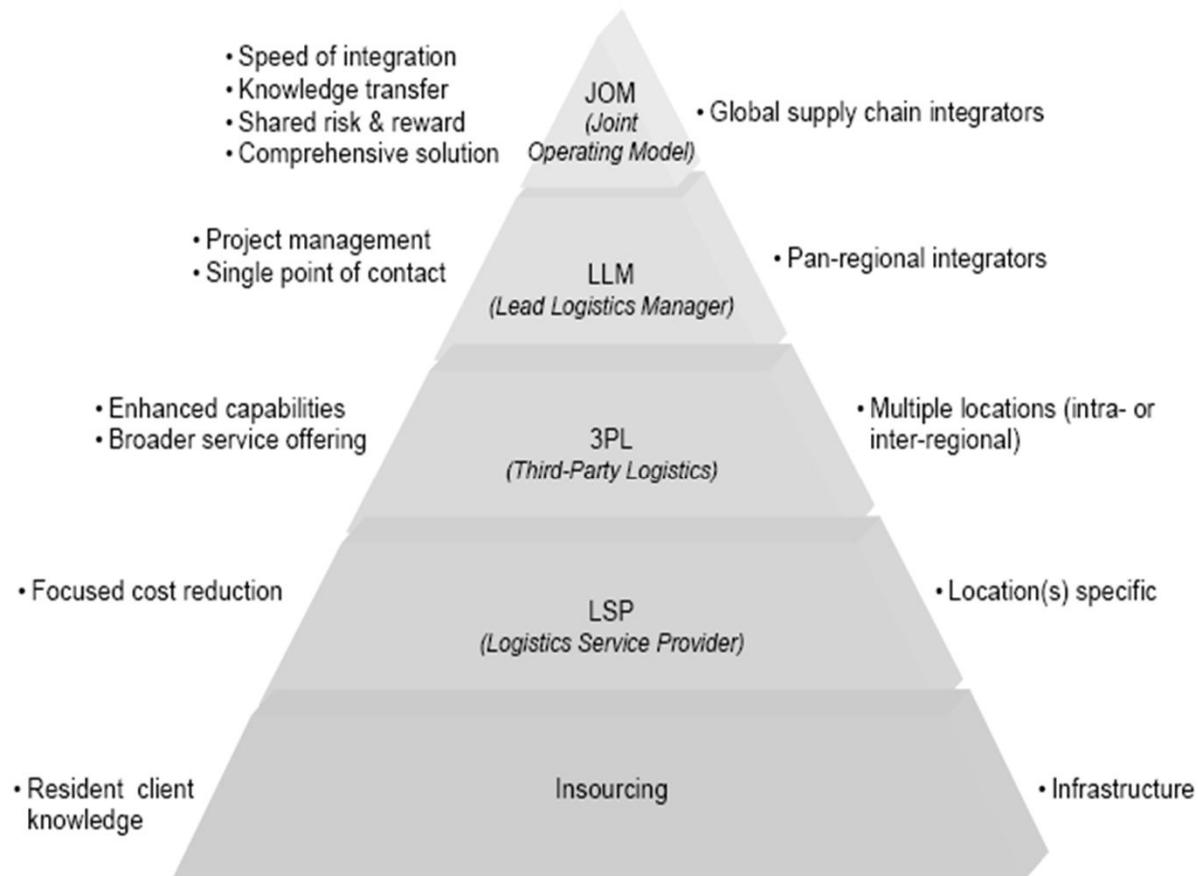
Living Supply Chains – J. Gattorna



8. Integration and Collaboration

Key Attributes

Geographic Coverage

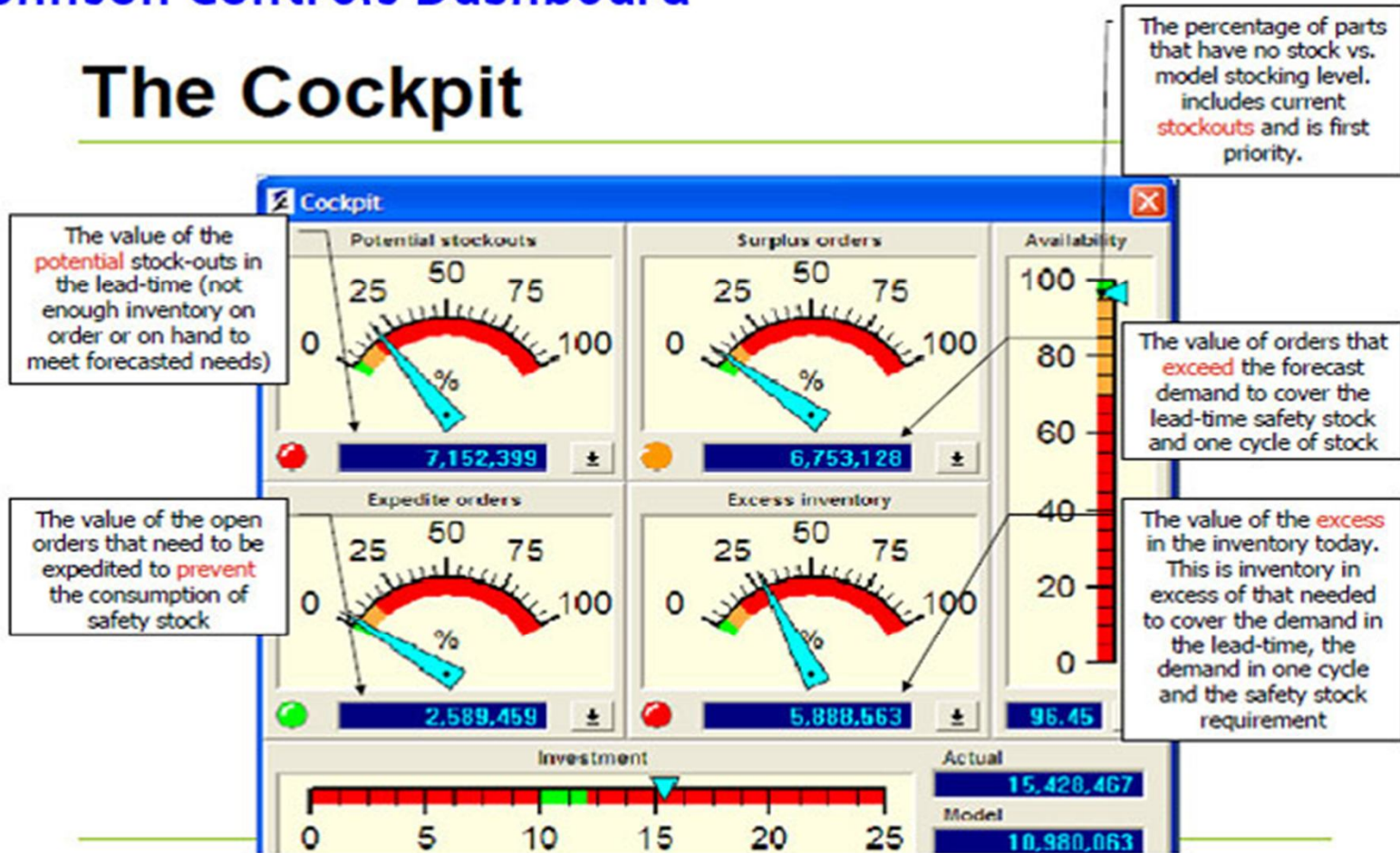


Source: *Third-Party Logistics Study 2001, Georgia Institute of Technology, Cap Gemini Ernst & Young Ryder System Inc.*

9. Metrics in SCM

Johnson Controls Dashboard

The Cockpit



33 Each dial represents the percentage of items in that condition.
 The combination of value and percentage items gives you an idea of where the quickest opportunity exists to improve inventory balance through managing the least items..Behind each ↓ is a list of these items.

10. Sustainable Transportation System

A recyclable ship

The Triple-E class will be designed for future safe and sound recycling. We will develop a new 'Cradle-to-Cradle Passport', which will list and describe the materials used to build the vessel, where they are located, and how they can be correctly disassembled and recycled.

98%

of the Triple-E class vessel is steel

total weight
60,000ton

185,489

A Triple-E class vessel has enough steel to create 185,489 Harley Davidson Fat Boy motorcycles.

A x 8.4

A Triple-E class vessel has the same amount of steel as 8.4 Eiffel Towers.



HIGH GRADE STEEL

LOW GRADE STEEL

COPPER



MAERSK



¡GRACIAS!

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