





### **Responsiveness vs Efficiency**

#### Responsiveness vs Efficiency

1.	Production	<ul><li>Excess capacity</li><li>Flexible manufacturing</li></ul>	-Little excess capacity -Narrow focus
		- Many smaller factories	-New central plants
2.	Inventory	- High inventory levels	-Low inventory levels
		- Wide range of items	-Fewer items
3.	Location	- Many locations close to customer	- Few central locations serve wide area
		-Frequent shipments	-Shipment few, large
4.	Transportation	-Fast and flexible mode	-Slow cheaper modes
5.	Information	- Collect & share timely, accurate data	- Cost of information drops while other costs rise



## Safety Stock Drivers: Demand Variability

### **Factors Impacting Demand Variability:**

- Bull whip effect
- New product introductions
- SKU proliferation
- Increased competition
- Increase promotions

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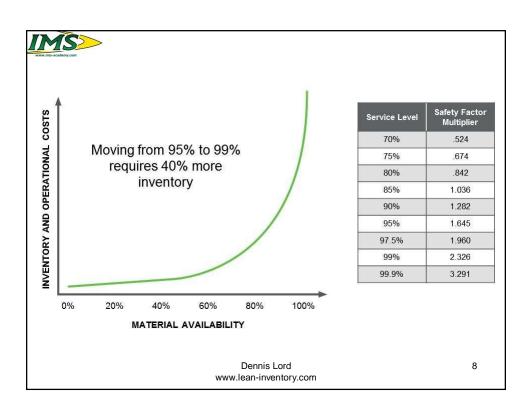


## Safety Stock Drivers: Lead-time Variability

#### Factors impacting lead-time variability

- Transportation schedules
- Capacity limitations
- Equipment shortages
- Inspections/customs
- Weather
- Labor issues
- Security
- Service Level Objectives

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# **Cycle Stock Drivers**

### Factors impacting cycle stock variability:

- Lot size and frequency
- Replenishment review
- Supplier performance
- Minimum order quantity (MOQ)

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# **Anticipation Stock Drivers**

- · Seasonal demand
- Capacity constraints
- Promotions
- Plan vacations
- Planned shutdowns

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Do you really know the inventory levels that will maximize your financial, service and operational performance?

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