**Supply Chain Management (Responsive/Agile)**

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| **Responsible/Agile Supply Chain manages change.** |
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| **Responsive/Agile Supply Chain** |
| A supply chain that is responsive to new challenges encountered by a supply chain by maintaining an agility in meeting the changing demands within a supply chain. |

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| *Supply Chain Industry:* | | | | | | |  |
|  |  | *Supply Chain Initiatives* | | | | |  |
|  |  | Lean  (Cost,Waste) | Green  (TBL,CSR) | Resilient  (Risk) | Responsive  (Agile) | Smart  (Technology) |  |
| *Key Supply Chains* | Commodity  Supply Chain |  |  |  |  |  |  |
| Global  Supply Chain |  |  |  |  |  |  |
| Service  Supply Chain |  |  |  |  |  |  |
| Reverse  Supply Chain |  |  |  |  |  |  |
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|  | *Functions* | Inventory | Logistics | Relationships | Information | Strategy |  |
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| Lean 🡪 Green 🡪 Smart 🡪 Resilient 🡪 Agile 🡪 (*Robust*) 🡪 . . . |
| Lean: Long lead times, predictable demand, low product variety, PUSH  Agile: Short lead times, unpredictable demand, high product variety, PULL |

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| 1 | Characteristics: Efficiency (cost & service), Speed, Flexibility, Adaptability |
| 2 | |
|  | Short term: Low Cost (Lean), High Service Levels (Speed) |
| Medium term: Speed & Flexibility (Addressing changes quickly, completely, effectively) |
| Long term: Adaptability  (Aligning Infrastructure, Policies/Procedures, Team Culture to future challenges) |
| 3 | |
|  | Speed: (Reactive) Identifying necessary key objectives leading to producing adequate deliverables (e.g., Agile project management techniques) |
| Flexibility: (Reactive/Proactive) Addressing changes in customer demand, competitor positions, economic trends, policy actions, internal strategies, technological advances, supplier competency, etc. |
| Adaptability: (Proactive)  Infrastructure (Redundancy, Postponement, etc.),  Policies/Procedures ( SCOR, Metrics, Analytics, etc.),  Team Culture ( Training, HR, Agile Project Management techniques, etc.) |

**References**

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| A Lean Supply Chain, Agile or Leagile?  <https://www.oxfordcollegeofprocurementandsupply.com/what-to-develop-a-lean-supply-chain-agile-or-leagile/> |
|  |
| Efficiency or responsiveness  September, 2014  <https://www.atmmarketplace.com/articles/efficiency-or-responsiveness-how-do-you-balance-your-atm-cash-supply-chain/> |
|  |
| The five dimensions of supply chain agility.  2015  **Find out how five elements of agility taken from sports and military science—alertness, accessibility, decisiveness, swiftness, and flexibility—play out in the supply chain world.**  <https://www.supplychainquarterly.com/topics/Strategy/20151022-the-five-dimensions-of-supply-chain-agility/> |
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| <https://www.ngcsoftware.com/post/177/why-a-flexible-agile-supply-chain-is-more-important-than-ever/> |