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

|  |
| --- |
| **Responsible/Agile Supply Chain is managing change.** |
|  |
| **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. |

|  |  |
| --- | --- |
| *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  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  | *Functions* | Inventory | Logistics | Relationships | Information | Strategy |  |
|  |  |  |  |  |  |  |  |

|  |
| --- |
| Lean 🡪 Green 🡪 Smart 🡪 Resilient 🡪 Agile 🡪 (*Robust*) 🡪 . . . |
|  |
| Lean: Long lead times, predictable demand, low product variety, PUSHAgile: Short lead times, unpredictable demand, high product variety, PULL |

|  |  |
| --- | --- |
| 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**

|  |
| --- |
| <https://www.oxfordcollegeofprocurementandsupply.com/what-to-develop-a-lean-supply-chain-agile-or-leagile/> |
|  |
| Efficiency or responsivenessSeptember, 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/> |
|  |
| <https://www.ngcsoftware.com/post/177/why-a-flexible-agile-supply-chain-is-more-important-than-ever/> |