**Supply Chain Management: (Green)**

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| **Green Supply Chain:** TBL, CSR. |
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| **Green Supply Chain** |
| A supply chain with sustainability standards throughout the supply chain based on sustainable strategy, development, and planning.  |

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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  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  | *Functions* | Inventory | Logistics | Relationships | Information | Strategy |  |
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|  | ***Sustainability*** |  |
|  | ***Sustainable Development****Meeting the needs of the present* *without compromising the ability of future generations* *to meet their needs.**From Our Common Future, Brundtland Report, Report of the World Commission on Environment and Development, United Nations, 1987.* |  |
|  | **Sustainability***The design, implementation, control, and improvement of human practices that balance the economic growth, environmental protection, and societal harmony of the global community and that will be accepted and advanced by future generations with a view to improve the balance.* |  |
|  | **Business Sustainability** |  |
|  | *Business Sustainable Development*. [ Triple Bottom Line, TBL ] 1. Profit. Economic Sustainability. 2. Planet. Environmental Sustainability. 3. People. Sociopolitical Sustainability. | *Corporate Social Responsibility (CSR)*. [ Triple Bottom Line, TBL ] 1. Profit. Responsible Economic Growth. 2. Planet. Responsible Environmental Impact. 3. People. Responsible Sociopolitical Involvement. |  |
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|  | ***Scope of Sustainability*** |
| Economic | Lean🡪Production efficiencyEnergy🡪Renewable |
| Environmental | Green🡪Environmental concernsMaterial🡪Biodegradable |
| Sociopolitical | Social🡪Workplace conditionsPolitical🡪Regulations |

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| ***Supply Chain Sustainability*** |
| UpstreamSuppliers | ↔ | BusinessUnit | ↔ | DownstreamCustomers |
| TBL & CSR |  | TBL & CSR |  | TBL & CSR |

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| ***Sustainable Strategy*** | ***Sustainable Development*** | ***Sustainable Planning*** |
| Commit to a long-term vision. | Establish goals. | Implement metrics. |
| Standards🡪Voluntary/Mandatory,Regulations🡪Domestic/International | Sustainability Index🡪BenchmarksSustainability Scorecard🡪Improvement | CSF: Critical Success FactorsKPI: Key Performance IndicatorsCarbon Footprint |

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| **►Supply Chain Sustainable Strategy****►Supply Chain Sustainable Development****►Supply Chain Sustainable Planning** |

***Supply Chain Sustainable Strategy***

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| ***Supply Chain Strategy***

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| Level I |  | Level II |  | Level III |
| CostServiceQuality | Governance | GrowthEfficiencyCulture | Leverage | StrategyAlliancesSustainability |
| **🡪** | **🡪** |
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| ***Supply Chain Sustainable Strategy***

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| Level I |  | Level II |  | Level III |
| Achievement |  | Standardization |  | Innovation |
| CostCarbon FootprintEmployee Programs | Governance | IntegrationRelationshipsCulture | Leverage | ProgramsRegulationsLegislation |
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***Supply Chain Sustainable Development***

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| Triple-Bottom Line | Initiatives | Objectives | Issues |
| Economic | 1.Procurement2.Efficiency3.Reuse/Recycle | Long-term  growth | 1.Innovation and R&D2.Market expansion3.Resiliency |
| Environmental | 1.Land,Water,Air2.Natural Resources3.Biomimicry | Controlled exploitation | 1.Resources2.Consumption3.Waste |
| Sociopolitical | 1.Poverty2.Health3.Education | Holistic  efficiency | 1.Individual2.Community3.Society |

**Supply Chain Sustainable Planning**

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| Short-term planning(Fixes) | 🡪 | Long-term planning(Transformations) |
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|  |  | Strategy & Planning |  |  |
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|  | Internal(Operations) |  |  | External(Supply Chain) |  |
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|  | *>Branding**>Compliance* |  | Economic |  | *>Measure**>Manage* |  |
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|  |  |  | ***T B L*** |  |  |  |
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|  | Sociopolitical |  |  | Environmental |  |
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| Supplier | 🡪 | Manufacturer | 🡪 | Distributor | 🡪 | Retailer | 🡪 | Customer |

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|  |  |  |  | External |  |  |  |  |
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|  | Short-term |  |  |  |  | Long-term |  |
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|  |  |  |  | Internal |  |  |  |  |
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