**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 |  |  |  |  |  |  |
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|  | *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 efficiency  Energy🡪Renewable | | Environmental | Green🡪Environmental concerns  Material🡪Biodegradable | | Sociopolitical | Social🡪Workplace conditions  Political🡪Regulations |   . | |  |  |  |  |  | | --- | --- | --- | --- | --- | | ***Supply Chain Sustainability*** | | | | | | Upstream  Suppliers | ↔ | Business  Unit | ↔ | Downstream  Customers | | 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🡪Benchmarks  Sustainability Scorecard🡪Improvement | CSF: Critical Success Factors  KPI: Key Performance Indicators  Carbon 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***   |  |  |  |  |  | | --- | --- | --- | --- | --- | | Level I |  | Level II |  | Level III | | Cost  Service  Quality | Governance | Growth  Efficiency  Culture | Leverage | Strategy  Alliances  Sustainability | | **🡪** | **🡪** | |  |  |   . |
| ***Supply Chain Sustainable Strategy***   |  |  |  |  |  | | --- | --- | --- | --- | --- | | Level I |  | Level II |  | Level III | | Achievement |  | Standardization |  | Innovation | | Cost  Carbon Footprint  Employee Programs | Governance | Integration  Relationships  Culture | Leverage | Programs  Regulations  Legislation | | **🡪** | **🡪** | |  |  |   . |

***Supply Chain Sustainable Development***

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| Triple-Bottom Line | Initiatives | Objectives | Issues |
| Economic | 1.Procurement  2.Efficiency  3.Reuse/Recycle | Long-term  growth | 1.Innovation and R&D  2.Market expansion  3.Resiliency |
| Environmental | 1.Land,Water,Air  2.Natural Resources  3.Biomimicry | Controlled  exploitation | 1.Resources  2.Consumption  3.Waste |
| Sociopolitical | 1.Poverty  2.Health  3.Education | Holistic  efficiency | 1.Individual  2.Community  3.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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|  | Short-term | |  |  |  |  | Long-term | |  |
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|  |  |  |  | Internal | |  |  |  |  |
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