***Supply Chain Management – Green Supply Chain***

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|  | Sustainability  *Meeting the needs of the present*  *without compromising the ability of future generations*  *to meet their needs.* |  |
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|  | Business Sustainability  >Triple Bottom Line (TBL)  >Corporate Social Responsibility |  |
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|  | Supply Chain Sustainability – Green Supply Chain  >Supply Chain Sustainable **Strategy**  >Supply Chain Sustainable **Development**  >Supply Chain Sustainable **Planning** |  |
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***Sustainability***

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| ***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.* |

***Triple Bottom Line & Corporate Social Responsibility***

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| *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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| |  |  | | --- | --- | |  | ***Sustainability Terms*** | | 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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| **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.* |

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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 | Responsible  exploitation | 1.Resource Usage  2.Consumption Efficiency  3.Waste Management |
| Sociopolitical | 1.Poverty  2.Health  3.Education | Respectful  recognition | 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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|  | External Branding>  Internal Compliance> |  | Economic | |  | <External Metrics  <Internal Management |  |
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|  | Sociopolitical | |  |  | Environmental | |  |
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|  |  |  | <External Community Impact  <Internal Cultural Transformation | |  |  |  |

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| Supplier | 🡪 | Manufacturer | 🡪 | Distributor | 🡪 | Retailer | 🡪 | Customer |