

Green Logistics: Reducing Environmental Impact through Improved Practices

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Abstract

Logistics encompasses every facet of the supply chain planning and transportation, which empower the growth of trade and commerce. The term 'green logistics' focuses on operations efficiency, reliability, and reducing the environmental burden on social life. The awareness regarding environmental impact and sustainability as applied to best business practices becoming more prevalent. This study draws attention to the green logistics practices that logistics managers can lead to the initiative in their daily decision-making process as means to achieve business excellence and sustainability. Green logistics noticeably contributes to improving the reputation of companies and raising the level of organizational performance. Adoption of green logistics in supply chain and logistics operations mitigates waste and environmental pollution and improves the overall firms' performance. The fact that expands on logistics needs for an ever-growing population is so engrained in our daily lives and business practices that sustainability will not attain unless there is a hardcore implementation of green logistics management practices. Companies pioneers in green logistics applications successfully interlinked the logistics operations with environmental impact and society to achieve a suitable target. This goal study is to draw interest among the small businesses and retailers becoming involved in the application of green technologies and green logistics.

Keywords

Green logistics, Sustainability, Information Technology, Supply Chain

Biographies:

Mohammad Anwar Rahman is an Associate Professor of Manufacturing Management and Supply Chain and Logistics Management Programs at the Central Connecticut State University. His research and teaching focus on supply chain strategy & logistics, decision making under uncertainty and six sigma quality process. His articles appeared in academic journals including European Journal of Operations Research, Journal of the Operational Research Society and published book chapters. He presented papers at national and international conferences and regularly serves as a journal reviewer. Rahman served as PI and Co-PI in research projects sponsored by The American Association of University Professors (AAUP), US Department of Transportation (USDOT) and Mississippi Department of Education (MDE). He participated in Pan-American Advanced Studies Institutes Program Award (PASI-NSF), NASA Academy of Aerospace Quality Workshop award. He serves as an executive member of Industrial Engineering & Operations Management (IEOM), and member of other professional forums.

Daniell Keane She is a graduate from the supply chain and logistics management master's degree program from at the Central Connecticut State University. She was a prestigious dean's scholarship recipient from the institution for the academic excellence.