

Supply Chain Logistics Integration in Bahrain's Construction Industry

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Abstract : The study was conducted to measure the logistics integration capabilities of selected companies in the Bahrain construction industry using the Supply Chain 2000 framework; and, determine the extent and direction of influence of these logistics capabilities and integration competencies on the supply chain performance of the firm. A total of 50 executive respondents (from supervisor to managing director level) from 22 construction and construction supplier firms participated in the study from September to November 2014. The results reveal that respondent Bahraini construction firms have significantly lower levels of logistics capabilities, but higher levels of logistics integration competencies compared to international benchmarks. Using stepwise multiple regression analysis, eight logistics capabilities of Bahraini constructions firms were identified to be positively associated with firm performance; with comprehensive metrics as the most positively dominant influential logistics capability. Activity based and total cost methodology is found to be the most negatively dominant influential logistics capability. In terms of logistics integration competencies, the study revealed that that customer integration, internal integration, and, measurement integration are negatively associated with firm performance. There was no logistics integration competency found to be positively associated with the supply chain performance among the companies who participated in the study. The research reveals that there are areas for improvement in supply chain capabilities and logistics integration competencies of the construction firms in the Kingdom of Bahrain to improve their supply chain performance to a global level.

Keywords : comprehensive metrics, customer integration, logistics integration capabilities, logistics integration competencies

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