

Toward a New Approach for Modeling Lean, Agile and Leagile Supply Chains

Authors : Bouchra Abdelilah, Akram El Korchi, Atmane Baddou

Abstract : With the very competitive business era that we witness nowadays, companies needs more that anytime to use all the resources they have in order to maximize performance and satisfy the customers' needs. The changes occurring in the market business are often due to the variations of demand, which requires a very specific supply chain strategy. Supply chains aims to balance cost, quality, and service level and lead time. Still, managers are confused when faced with the strategies working the best for the supply chain: lean, agile and leagile. This paper presents a decision making tool that aims to assist the manager in choosing the supply chain strategy that suits the most his business, depending on the type of product and the nature of demand. Analyzing the different characteristics of supply chain will enable us to guide the manager to the suitable strategy between lean, agile and leagile.

Keywords : supply chain, lean, agile, flexibility, performance

Conference Title : ICSCLE 2015 : International Conference on Supply Chain and Logistics Engineering

Conference Location : Paris, France

Conference Dates : May 18-19, 2015