ABSTRACT

This project is concerned with designing the distribution processes to improve the company operation and performance in supply chain functions. It focuses on FUSA (FASCO USA) customer, 78 and 85 lam production line of FASCO Motors (Thailand) Co., Ltd. by using the principle of the Lean concept. Thus, this becomes increasingly competitive in delivering value to the customer on price, quality, and on-time delivery.

This paper simulates the process design of lean thinking on one of the core support functions in supply chain, the distribution processes, by focusing on removing waste from the processes dependency on the reliable performance of assets (people, method, and fixed assets) dramatically increases. Reliable assets become an absolute prerequisite for running the business.

The results from the simulation provide the optimal solution before the actual implementation that will impact on the flow efficiency of the distribution and it can be seen that there has been considerable saving of resources and creation of value in the supply chain.

In summary, the new proposed distribution processes will be designed to replace the existing process. With lean distribution it will reduce the number of administrative staffs, solve the problem of redundant functions, decrease waste time & waiting time, and make better cost reductions.