Value Stream Analysis of A Global Supply Chain

Introduction to Sloan

Sloan-Valve Company was started in 1906 by William Elvis Sloan. Mr. Sloan invented the Flushometer which was the first among the line of products they now produce and distribute globally. Their world headquarters is located in Franklin Park Illinois (seen below), which is also one of their largest manufacturing sites. Among the thousands of products produced at that facility, the manual flush valve is the main product created there. Castings are received from their Arkansas plant where they are then machined and assembled so they can be shipped out to their various distributors. The site employs up to 600 workers, and its estimated annual sales for 2007 were 50.4 million dollars.

Goals of Scheduling

- Reduce shortage WIP 50%
- Reduce WIP inventory 50% by 2 days to less than 1 day in between process.
- Allowing an increase of 100% of inventory turns.
- Minimize obsolescence through better planning, balancing change over and inventory.
- Increase perfect order performance by 10%.
- Eliminate unnecessary overtime.