



Project I Description

Project Name: Assessment and re-design of the central warehouse operations at S.M.L.C PepsiCo Franchiser

Sponsor: PepsiCo

Project Overview

SMLC PepsiCo Franchiser consists has 19 production lines for different types of beverages. The Director of SMLC Mr. Chady Rahme has expressed interest in a study that evaluates the efficiency of the current operations in their multiple warehouses since they are experiencing delays and management problems which are affecting the responsiveness and efficiency of the overall supply chain.

This project will entail building a simulation model to assess the current state of operations and to recommend

1. An optimized warehouse layout
2. An improved distribution schedule
3. An improved inventory policy

Project Areas

Facility planning, lean techniques, inventory policy, and simulation

Project Deliverables

- A survey of the current state of operations and facility use.
- A solution that incorporates an optimized layout, an improved distribution schedule, and an optimized inventory policy according to lean principles

Team Size and Majors needed

INE: 3 students

