

# Project Requirements

MGT5309 Fall09

# Objective

- The primary objective of the term project is to put some of the concepts learned in the “Logistics and SCM” course to practice by studying the supply chain structure, organization, and activities of a real-world Moroccan company or organization.
- Your project should include the following three components:

# Outline 1/3

1. Start with a description of the company, its activities, its background, etc., with a focus on the logistics and supply chain operations (you can get inspiration from the first three sections of the “7-Eleven Japan” case study in your textbook). **(To be included in Mid-report/Presentation)**
2. Study the sector to which your company belongs( For example you can refer on the internet to the document: “ La logistique du commerce et la compétitivité au Maroc”, prepared by the World Bank for the ministry of transportation in May 2006) **(To be included in Mid-report/Presentation)**

# Outline 2/3

3. Move to a more detailed description of the supply chain structure of the company and the core logistical activities (facilities, inventory, and transportation). More precisely, we require:

(1) a description of the different stages (suppliers, manufacturers, distributors,

retailers, and end customers) involved in the supply chain;

(2) Push/Pull and cycle views of the supply chain;

(3) figures (data) concerning the different stage players (numbers, sizes, and locations of suppliers, manufacturing plants, warehouses, depots, retailers, plus the demand of end customers); and

(4) the transportation network of the supply chain (transportation modes used, owned by the company or leased to third-party transporters, costs, etc.).

Concerning (3) and (4), every possible effort should be spent on trying to obtain the data, if possible spanning many years of operations. In case the data is not available, this should be indicated and simulated data (based on the experience of other similar companies) should be created.

# Outline 3/3

A *plan* for the supply chain analysis that needs to be done and reported in the final report:

The topics to be covered in this section can include (but are not limited to):

- Forecasting future levels of demand, supply of raw materials, costs, etc. This step is required if we want to evaluate the performance of the supply chain over a horizon of future years (typically three to five years). Material from chapter 7 will be used.
- Examine if the current configuration of the supply chain will be able to satisfy the future demand. If not, imagine different possible scenarios to expand the supply chain infrastructure to meet the demand, and choose the best option (the “SportStuff.com” case study is a good example that could help you on this issue). Even if the supply chain could meet future demand, could one find a better configuration (for examples, by merging small warehouses, locating them closer to the retailers, using cheaper transportation, etc.)
- Once the best configuration of the supply chain identified, use the decision making methodology in chapter 6 to evaluate it in terms of NPEV. Sources of uncertainty (demand, prices, rates, etc.) should be identified and scenarios imagined. Note that this step could be merged with the previous one.

# Deliverable

- Term Projects Mid-report due by midnight on November 15th
- Term Projects final papers due by midnight on November 30th