Chapter Outline

# Chapter 8: Supply Chain Design and Location Planning

***See pages: 268-294***

Operations Profile: Mexico, the Next Great Automaker

 Supply Chain Design and Facility Location Decisions

 Factors That Affect Supply Chain and Location Decisions

 Competitive Strategies That Affect Supply Chain and Location Decisions

 Why Supply Chain and Location Decisions Sometimes Backfire

 Phases in the Supply Chain Design and Location Decision-Making Process

 Phase I: Design the Supply Chain

 Phase II: Determine the Configuration of Regional Facilities

 Phase III: Select Potential Sites for Locating Facilities

 Phase IV: Choose Locations

 Analytical Methods for Evaluating Locations

 The Factor Rating Method

 Breakeven Analysis

 The Center-of-Gravity Method

 The GIS (Geographic Information System) Method

Consider This 8.1: GIS and Location Decisions

 Ethical and Sustainability Issues

 Global Location Planning

 Chapter Summary

 Key Terms

 Discussion and Review Questions

 Solved Problems

 Problems

 Case Study 8.1: Countering the Counterfeiters

 Video Case

 Critical Thinking Exercises