**PROBLEM STATEMENT**

Our goal is to research the impact of opening an intermodal facility in Joliet, Illinois. Collaborating with Mi-Jack, we will also look at current and future layouts and technologies of intermodal yards in order to increase efficiency.

**OBJECTIVES**

1. Analyze the impact of peak oil
2. Research alternative fuel sources and identify their applications
3. Map the proposed facility
4. Compare the use of Pathfinder technology to traditional layouts
5. Create a computer program that can be used to test the efficiency of an intermodal facility layout
6. Develop an animated video to visualize how a facility functions
7. Propose a design for an alternative fuel station located adjacent to the intermodal facility