

Advanced Architecture Challenge

Design a Hybrid Auto Assembly Plant

With the cost of gasoline on the rise, the major auto manufacturers are gearing up for change. The manufacturers want to start converting their most popular lines in to hybrids. The best way to do this is to build a new assembly plant that is focused on the new green technology. The manufactures don't just want to produce hybrid autos they also want their facilities to be as green as possible also. Since California is the leader in green technology the plant will be placed in Southern California. The criteria for the plant are as follows:

- Site plan
- Floor plans
- Elevations

Specifications

- The building(s) footprint will be between 4 and 5 million square feet
- The site will be 1200 to 1500 acres
- Produce three different types of autos
 - Compact
 - Mid-size
 - SUV
- Approximately 4000 employees
- Adequate employee parking along with parking for manufactured vehicles
- Plan for shipping and receiving of product