

Project I Description

Project Name: Design of a facility plan for expanding HTG Industry
Sponsor: Industrial Partner
Team Size: 5 INE Students

Project Overview

HTG (horizontal tempering glass) is a glass transformation industry currently producing different glass types: Double-Glazing, Tempered and Laminated Glass. HTG purchased a new land located next to the actual facility and would like to expand current operations to enhance overall productivity and throughput.

This project consist of developing a detailed facility plan including process design according to Lean manufacturing principles, schedule design, layout design and handling system design. The new plan should conform to green manufacturing standards.

Project Areas

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| <ul style="list-style-type: none"> • Facility Planning | <ul style="list-style-type: none"> • Lean Manufacturing |
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Project Deliverables

Project deliverables consist of the following:

- Product and process design analysis
- Schedule design
- Alternate facility plans
- Cost benefit analysis of the different facility plans
- Ergonomics study for Noise, Vibration, CO monitoring and other parameters

Project Constraints

- The study should be conducted on a specified facility location
- Study should include innovative solutions as well as their application.
- Industrial partner will be implementing the study and a pre-defined project cost will be set

Advisors:

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Students:

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