



CUSTOMER

Large Mobile and Modular Home Manufacturer

PROJECT

Manufacturing Optimization Value Stream Mapping

OVERVIEW

Our client approached us due to a need to increase their productivity and output of their modular and mobile pre-manufactured homes. We provided this client with a current, future, and ideal value stream map of their facilities activities. The Value Stream Maps showed the flow of material from dock to dock which allowed for the analysis of all the steps involved. DSI was able to implement many improvements without any capital expenditures required from the client.



OBJECTIVES

- Current State, Future State, and Ideal State Value Stream Maps.
- Maps allow for identification of improvement opportunities
- Kaizen Journal listing all continuous improvement action items
- Yamazumi charts to balance operations under Takt time
- Week-long workshop to review the implementation plan presented by DSI



BOTTOM-LINE RESULTS:

22% Productivity Improvement

By implementing all DSI's suggestions and changes to the current manufacturing process, increasing the number of homes produced from 7 per day to 9 per day

218 of Minutes of Work Saved

Per unit, which led to an increase in units produced per day

12% Reduction in Leadtime

DSI was able to cut the dock-to-dock lead time from 2.4 days to 2.1 days per unit

Elimination of Overtime

Was a major goal that was achieved as a result of eliminating non-value-added steps and work, allowing for increased productivity.