

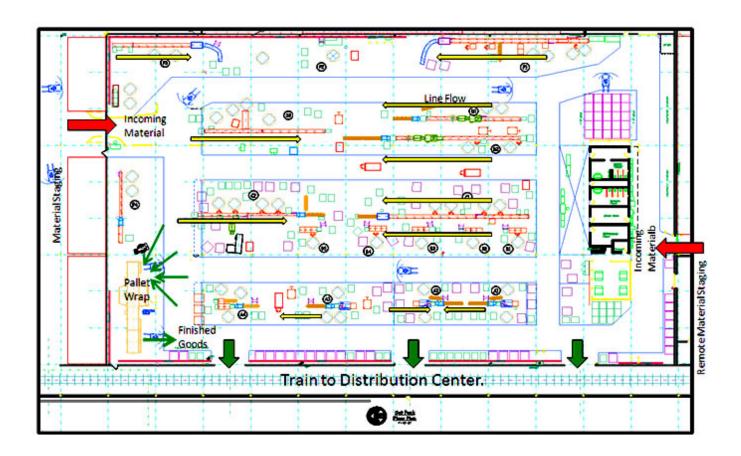
## **Industry: Glassware Manufacturing**

Comprehensive intervention focusing on improving production and packing cell design, distribution centre systems improvements including a visual kanban system and an internal milkrun system, various process kaizen/LIFT events, scrap reduction, process yield improvements, material and energy cost savings.

Project timeline: 35 weeksProject cost: \$386,453

• Project annualized savings: \$4,000,000

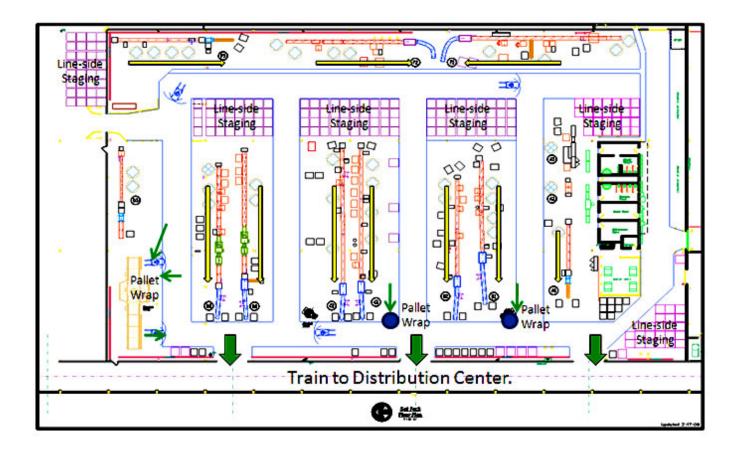
• Return on Investment: 10.4



**Previous Layout and Material Flow** 

1/2





## **Current Layout**

## **Improvements**

- Improved material flow (also increased safety)
- Direct line-side staging of raw materials
- Forklift operate milkrunsin zones, one less driver needed
- Lines dedicated to families
- Offloading can be staffed by one operator
- Andon and material call installed
- Improved standardized work and line balance on a product family basis with major efficiency gains
- Daily management system put in place