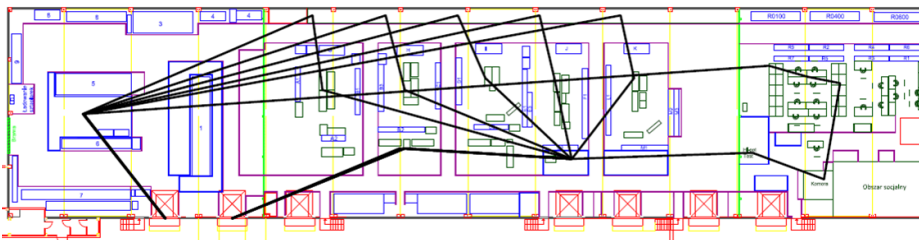


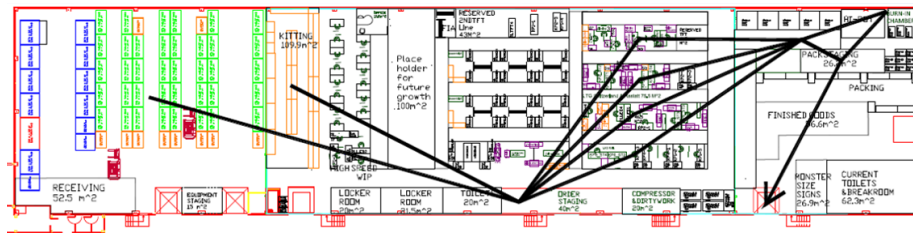
CUSTOMER AEROSPACE AND MASS TRANSIT COMPONENT MANUFACTURER

PROJECT MANUFACTURING PROCESS AND MATERIAL FLOW

Original travel route distance: 1,696 feet.



DSI Optimized route distance: 922 feet.



OVERVIEW

Our Process Optimization Team was engaged as a partner and extension to the customer team to identify and improve efficiencies through facility consolidations, manufacturing process and material flow improvements.

PROJECT ACHIEVEMENTS

- Redesigned production layouts to optimize space utilization.
- Perform dock analysis to determine optimal receiving dock locations.
- Instrumental in centralization of production and consolidation of three facilities.
- Incorporated sub-assembly cells for insourced work.
- Optimized production using lean principles to increase throughput.



BOTTOM-LINE RESULTS:

41% EFFICIENCY GAIN IN MATERIAL FLOW

Design Systems provided solutions to improve material flow routes, reducing the distance and time required.

43% IMPROVEMENT IN PRODUCTION

Our team redesigned the manufacturing areas, improving how the space is utilized for material presentation and work.

16% INCREASE IN ASSEMBLY THROUGHPUT

DSI redesigned the workstations to allow for one piece flow production.

