

DESIGN SYSTEMS, INC.

Manufacturing Engineering and Consulting

PROJECT

Integrate New Product Process into Existing Plant

CUSTOMER

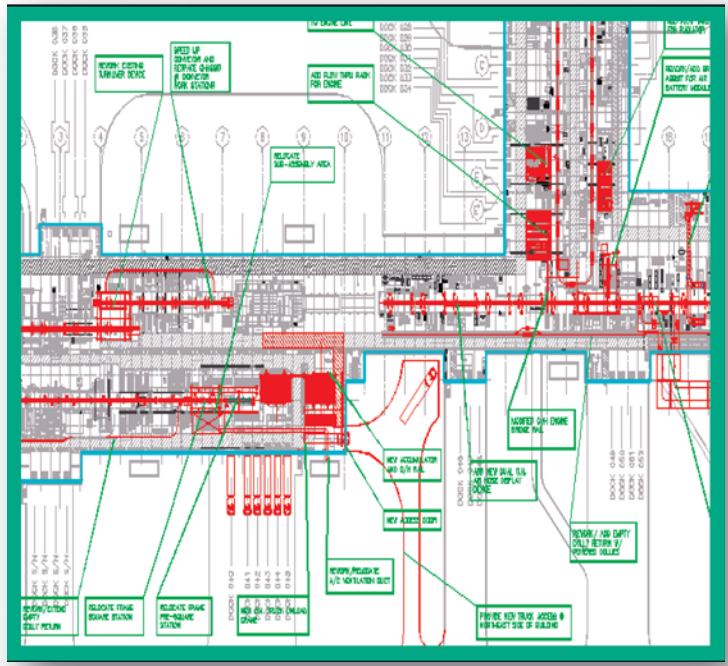
Blue Diamond Corporation

Objectives

1. Integrate new product into existing plant with existing product, with minimum impact to existing operations.
2. Establish facility impact to line with detailed cost and timing.
3. Determine labor impact for new volumes and new product with existing product.
4. Establish throughput analysis on critical path operations.
5. Recommend improvements to achieve new plant goals.

Description

Introduce new Joint Venture product into an existing truck plant in Mexico without disruption to existing operations, while increasing plant capacity for new requirements.



Product Change Analysis



"BOTTOM-LINE" RESULTS:

- Introduced new model at new volumes as planned.
- New Product Introduction with minimal scheduled downtime.
- Quality indicators higher than similar product produced at other facility.

DSI was later awarded project to pre-plan next product to be introduced into plant.

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