

Lean Enterprise for Manufacturing

Inventory & Lead-time Reduction & Productivity Improvement using Lean training.

- **Market :**
Manufacturing
- **Client :**
Revenue : \$697M
Customers : Global
Employees : 4,500

CLIENT ISSUE

Industrial/Automotive bearing business is losing business to competition. Their largest customer is demanding increased flexibility, improved on-time delivery, and lower unit pricing. The project was to improve flexibility and reduce cost of the LinkLine. The LinkLine is composed of multiple forming and packaging lines that deliver directly to the customer. The process is characterized by large, inflexible, complex, equipment operating at high speeds with operators "watching" equipment.

SOLUTION / APPROACH

- Heavy focus on Value Stream Mapping which uncovered multiple sources of waste including; long set up times, excessive operator motion and waiting, wasteful processing steps, transportation, and defects.
- Involvement from multiple departments and personnel looking to reduce travel distance and free up floor space to support a cross functional improvement effort.
- Uncovered wasteful activities such as long changeover time, over processing, and excessive waiting and watching.
- Engaged development team members and supporting functions in data collection, process analysis, and improvement recommendations.
- Application of Process Mapping and heavy emphasis on "walking the process" helped identify sources of waste and low productivity.

CLIENT BENEFITS

- Set up reduction of 3 hours (40% reduction) and benchmarked a 2 hour set up reduction (75%).
- Immediate cost savings of over \$300,000 recognized.
- Inventory reduction of \$120,000 (21%).
- Lead time reduction of 5 days (25%) for class "A" items and 2 days (10%) for class B and C items.

OUR DIFFERENTIATORS

- Proven set of tools and approach
- Classroom & team facilitation experience through multiple departments
- Coaching expertise to deliver Knowledge Transfer rather than "training"
- Facilitation of change management within Operations
- Engaged & educated the workforce surrounding the process to sustain the improvements

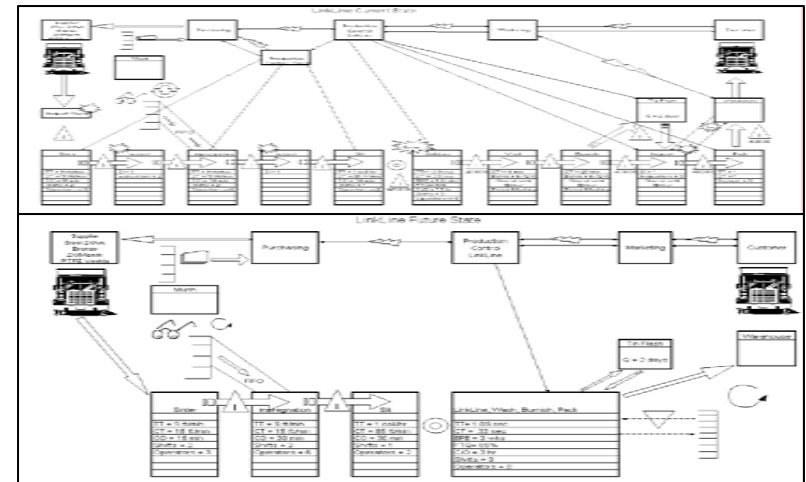
Europe

North America

Asia/Pacific



We used a number of different tools & methodologies



BEFORE

AFTER