Case 9b: An OEM automotive coatings business was facing margin pressures, customer satisfaction issues & significant competitive threats

- They had historically good customer relationships that were being challenged & they saw an opportunity to better meet / exceed their customers' expectations on a more consistent basis – both in terms of product supply & also color / application development.
- They wanted to start an extensive lean manufacturing / supply chain effort to help with meeting current & near-term demand.
- They also wanted to apply lean concepts to the Product Development & Introduction process with a specific focus on the Annual Color Program
- Their "Multi-functional concept of prevention" jointly developed by Manufacturing, Technical & Quality was adopted for the PD&I process along with lean concepts, methods & tools.

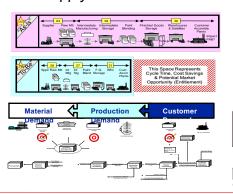




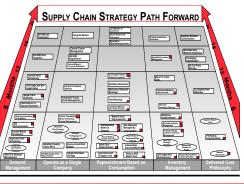


Impact: The lean supply chain work delivered \$18MM cost reduction, >40% reduction in supply chain cycle time, & improved delivery & service contributing to a 6% net income improvement





Supply Chain Strategy



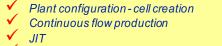
Process changes anchored to process technology



Application of Lean Principles

Organization Design

Process Reliability Approach



- ✓ Forward integrated demand management
- Replenishment based on consumption
- ✓ Vendor managed inventory
- Preweighing
- Increased process control management
 - Customer based quality management

