LTT SUPPORTS AND ENABLES LEAN SIX SIGMA TRANSFORMATION

LEAN

- A set of tools aimed at eliminated waste
- Key concepts include:
  - Process simplification
  - Non-value adding step reduction
  - Cycle time reduction
  - Changeover cost and time reduction
  - Flexibility improvement

LTT

- Processes and enabling technology developed "by practitioners for practitioners" based on Lean principles and transformation experience in production and distribution.
- Lean process improvements supported by decision support systems that economically optimize inventory, resource utilization, and response time for all SKUs by location.
- Lean S&OP processes enable daily re-forecasting for each SKU by location to improve short term accuracy and manage variability.
- Key LEAN benefits include:
  - Economically optimized run lengths and inventory targets will drive lot sizes as low as production flexibility and cycle times allow.
  - Daily LTT calculations automatically drive inventory lower as cycle or changeover times are decreased.
  - Takes into account the entire range of Make-to-Inventory —> Make-to-Order options for each SKU by location individually.

SIX SIGMA

- A set of tools aimed at increasing process performance and eliminating defects
- Key concepts include:
  - Data driven process and product performance analysis
  - Cause and Effect process understanding
  - Variability and defect understanding and reduction

LTT

- Processes and enabling technology developed "by practitioners for practitioners" that combine Lean with Six Sigma (DMAIC) principles and transformation experience in production and distribution.
- A decision support systems with reporting and analytic services to enable rapid, deep operating and performance management of comprehensive operating process data.
- Implementation services developed by Six Sigma Master Black Belt
- LTT systems support and build on Six Sigma efforts by:
  - Integrating key customer demand, process, product and cost data.
  - Explicitly accounting for existing process capability and variability while optimizing run lengths and inventory targets.
  - Daily lead time and variability calculations result in inventory adjustments as process performance is Enhanced.