**BACKGROUND**

- As Sloan Valve has grown throughout the years, the company network and distribution structure has changed. However, many of the warehousing processes have remained the same. Sloan Valve has recently decided to strengthen its supply chain and through a series of initiatives it hopes to make Supply Chain Management a core competency. One of those initiatives is to strengthen its warehousing processes through the implementation of a Warehouse Management module.

**OBJECTIVE**

- Increase the Organization and Performance of the Warehouse
- Test, Validate, and Establish Policies and Procedures for WM Implementation

**RESULTS**

- **Hot Zone Analysis**
  - A tool for visualizing warehouse efficiency and identifying areas for improvement.
  - Before ABC Classification
  - After ABC Classification
  - The darker storage locations were visited most frequently

- **Warehouse Layout Modification**
  - Changes made to optimize space utilization and improve efficiency.

- **SAP**
  - Integration and implementation of SAP warehouse management system.
  - Measurable Benefits (when going from IM to WM)
    - Savings in Material Handling Labor
    - Picking Productivity improvement
    - Reduction in Customer Returns
    - Space Utilization Improvement
    - Reduction in Carrying Costs
    - Reduction in Scrap

**FUTURE WORK**

- **Supplier Data Optimization**
  - Clean, Optimized Supplier Data
  - Lean, Manageable Process to Maintain Supplier Master Data
  - Eliminated Procurement and Production Shortages Caused by Inaccurate Supplier Data
  - Reduction of Past Due Orders
  - Increase in Perfect Order Performance

**METHODOLOGIES**

- Supplier Data Management
- Change Management
  - Master Data
  - Quality
- Supplier Data Optimization
  - Master Data Optimization
  - Quality Optimization
  - Centralized Data Management
  - Supplier Data Optimization

**OBJECTIVE**

- Evaluate and Optimize Master Supplier Data for the Global Sourcing Department
- Identification and Implementation of an Effective “LEAN” Process for Managing Supplier Master Data
- Integrate “clean” Supplier Master Data into SAP
- Develop and Test a Procedure for Data Integration