[ WAREHOUSE MANAGEMENT ]

**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.

**PROBLEMS**

- No Formal Procedures for Storing Items
- Many Manual Processes Causing Inaccuracies and Inefficiencies in Inventory
- Shipping Errors on the Internal and External Order
- Inventory Accuracy is Lower Than Desired Target

**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 processes through the implementation of a Warehouse Management module.
- **Warehouse Layout Modification**: Improvement in warehouse layout and pick/pack operation.
- **SAP**: Integration and implementation of SAP for the Global Sourcing Department.

**FUTURE WORK**

- Develop an Effective “LEAN” Process for Managing Supplier Master Data
- Integrate “clean” Supplier Master Data into SAP
- Develop and Test a Procedure for Data Migration

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[ SUPPLIER DATA OPTIMIZATION ]

**BACKGROUND**

- Validation of supplier data was being done through email, faxes, and phone. Over time, the data became unmanageable and as a result, there was an extensive amount of unnecessary and inaccurate data. This led to inefficiencies in the supply cycle, which in turn adversely affected service levels and production optimization.

**PROBLEMS**

- Excess, Redundant and Outdated Information about the Suppliers of the Company
- Clarification of the Terminology in SAP
- No Permanent, Efficient Process in Place to Effectively Manage the Supplier Master Data
- Procurement and Production Inventory Shortages

**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

**METHODOLOGIES**

- Develop and Test a Procedure for Data Integration
- Clarification of the Termination in SAP
- Evaluation and Optimization of Master Supplier Data
- Effective Management of Supplier Master Data

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**RESULTS**

- 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

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**MEASURABLE BENEFITS (IM -> WM)**

- Savings in Material Handling Labor
- Picking Productivity Improvement
- Reduction in Customer Returns
- Reduction in Carrying Costs
- Reduction in Scrap

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**FUNCTIONS**

- Supplier Data
- Performance Data
- Inventory Data
- Supplier Master Data
- Warehouse Data

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**FUTURE WORK**

- Develop and Test a Procedure for Data Migration
- Integrate “clean” Supplier Master Data into SAP
- Develop and Test a Procedure for Data Migration

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**METHODOLOGIES**

- Supplier Data Integration
- Performance Data Analysis
- Inventory Data Optimization
- Supplier Master Data Management
- Warehouse Data Efficiency

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**INTEGRATION**

- Supplier Data
- Performance Data
- Inventory Data
- Supplier Master Data
- Warehouse Data

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**SUPPORTING MATERIALS**

- Supplier Data Integration Plan
- Performance Data Optimization Strategy
- Inventory Data Optimization Techniques
- Supplier Master Data Management Guidelines
- Warehouse Data Efficiency Improvements