

SPC consulting group

SUPPLY CHAIN MANAGEMENT

Objective:

To develop in the staff involved in the Supply Chain a global knowledge of strategic factors to change the position competitive of the organization. As well to learn technical aspects and financial way to align resources and logistical objectives with the KPI of the organization.

Requirements:

• Administration knowledge in the Supply Chain, inventories and product development

Duration:

16 hours

Content

Supply Chain

- Supply Chain Management historical evolution, main challenges, exhaustions, integration, customer service, business logistics
- Whip effect, beer game

Demand Management

- Demand management, S&OP
- Importance of the accuracy of the forecast, impact on the chain, Supply Chain alignment
- Descriptive statistics, distribution normal
- Sales forecasting methods, linear regression, series of weather, forecasts for new products
- Internship in Forecast Pro

Warehouse Management and Inventories

- General inventory concepts
- Inventory management, security inventory
- Types of warehouses, control of warehouses and inventory
- ABC classification, lifting and inventory assessment
- The principles of handling materials
- Just-in-time philosophy (JIT, “just in time”)
- Moving from the administration by costs to the administration by profitability
- Productivity in the warehouse
- KPI’s key performance indicators
- Operations planning
- Closed manufacturing cycle, MRP II
- Master Production Schedule MPS, theory of constraints
- Supply, Material Requeriment Planning MRP, selection of suppliers, forms of partnering with suppliers
- Replenishment models, direct distribution, distribution secondary, pure or mixed cross-dock, push vs pull
- Distribution channels, Distribution Requeriments Planning DRP
- Logistics & KPI

Operations Optimization

- ERP, APS, SAp
- Scope of the Supply Chain, Supply Chain collaborative B2B and B2C
- Monte Carlo method simulation
- Excel and @Risk simulation practices
- Operations linear programming
- Solver & Lingo linear programming practices

Logistics Customer Service

- Logistics system, services logistics, physical logistics distribution, order processing and customer service, logistics systems with customer service guides
- Logistics costs associated with customer service, administration of customer service levels
- Logistics KPI’s
- Impact and trends in physical distribution
- Autotransportation, outsourcing of logistic operations

Continuous Improvement

- 5S
- Kaizen
- High performance teams
- Six Sigma