

## COURSE CONTENT

# Demand Driven Planner (DDP)



### MODULE 1: PLANNING IN THE MODERN WORLD

- The MRP Revolution
- Evidence of a Problem
- The New Normal

### MODULE 2: THE IMPORTANCE OF FLOW

- Plossl's First Law
- Demonstrate Flow's importance in industry
- Plossl's Law Caveat
- The Bullwhip Effect

### MODULE 3: UNLOCKING A SOLUTION – DECOUPLING

### MODULE 4: BECOMING DEMAND DRIVEN

- "MRP versus Lean" Conflict
- What "Demand Driven" really means
- Demand Driven Operating Model
- Demand Driven MRP

### MODULE 5: STRATEGIC INVENTORY POSITIONING

- Six Positioning Factor
- Decoupled Lead time
- Matrix Bill of Material

### MODULE 6: DISTRIBUTION NETWORK POSITIONING

- Unique Distribution Positioning Factors
- Compare and contrast demand driven to push and promote
- Positioning across a supply chain

### MODULE 7: BUFFER PROFILES AND LEVELS

- Inventory – Asset or Liability
- Buffer Profiles
- Buffer Zones
- Calculating Buffer Levels

### MODULE 8: DYNAMIC BUFFER ADJUSTMENTS

- Recalculated Adjustments
- Planned Adjustments
- Manual Adjustments
- Factors for Planning Adjustment Factors

### MODULE 9: DEMAND DRIVEN PLANNING

- Part Planning Designations
- DDMRP Planning Process
- Supply Order Generation for Stocked Items
- DDDRP Supply Order Generation Considerations
- Supply Generation for Non-Stocked Items
- Decoupled Explosion
- Prioritized Share

### MODULE 10: HIGHLY VISIBLE AND COLLABORATIVE EXECUTION

- Challenging Priority by Due Date
- Buffer Status Alerts
- Synchronization Alerts
- Execution Collaboration

### MODULE 11: DDMRP AND THE OPERATIONAL ENVIRONMENT

- DDMRP Strategic Buffer Criteria
- DDMRP and Safety Stock
- DDMRP and Order Point
- DDMRP and Scheduling
- DDMRP and WIP Priority Management
- Compare/contrast MRP, Lean and DDMRP

### MODULE 12: DEMAND DRIVEN SALES AND OPERATIONS PLANNING

- DDS&OP
- Analytics for Master Settings changes and model improvement
- DDS&OP protection for critical strategic impacts

### MODULE 13: PROGRAM SUMMARY

- Program Summary
- Expected Benefits of DDMRP
- Get Started with DDMRP

### ADDITIONAL FREE MODULE: DDMRP WITH SAP

- The SAP options – SCM APO, S4 HANA, IBP
- The DDMRP Operating Model in SAP
- Evaluating DDMRP for your company
- Future developments