

Developing Operational Excellence in Your Supply Chain

Date and duration
<p>Training code : SUPC015EN Duration : 8 days Nombre d'heures : 56 heures</p>
Body
<p>Immerse yourself in this training program dedicated to diagnosing and improving the operational performance of the supply chain. It provides you with the keys to thoroughly analyze dysfunctions and inefficiencies within your flows, from procurement to distribution.</p> <p>This training will guide you through effectively managing demand and its variations, optimizing inventory and distribution management. You will learn how to accurately diagnose operational performance using key tools such as maturity grids and process mapping, while mastering the measurement of essential indicators such as OEE (Overall Equipment Effectiveness) and efficiency. The course also covers purchasing improvements, streamlining flows, and integrating continuous improvement methods such as Lean and 5S.</p> <p>Focused on action and hands-on practice, this 8-day training program organized in several sessions ensures the development of skills that are directly applicable in the workplace. You will build advanced expertise in supply chain optimization — a powerful lever to significantly improve productivity and responsiveness within your organization.</p>
Objectifs
<p><i>At the end of this training, you will achieve the following competency goals:</i></p> <ul style="list-style-type: none"> • Master key terms, principles, and acronyms of physical and information flow management within the supply chain. • Apply best practices in industrial management, including S&OP (PIC), MPS (PDP), MRP (CBN), and execution. • Understand and select the most appropriate management methods for different production environments. • Effectively manage demand, its variability, and its deployment through to execution. • Manage and optimize inventory and distribution. • Ensure production execution compliance with the established schedule. • Diagnose operational performance using tools such as maturity grids, process mapping, and checklists. • Master the measurement of load/capacity adequacy, times, lead times, OEE (Overall Equipment Effectiveness), utilization, and efficiency. • Implement visual management, SMART indicators, and routines for better performance management. • Correct and recalibrate MRP master data to optimize product mix and volume. • Improve Purchasing and supplier performance. • Streamline flows and implement continuous improvement methods (Lean, 5S, etc.). • Identify and resolve non-conformities using tools such as PDCA or QRQC.
<p><i>This training enables your organization to:</i></p> <ul style="list-style-type: none"> • Master on-time and cost-optimized deliveries by reducing non-quality costs and eliminating delays. • Increase customer satisfaction and sustain revenue growth by ensuring better load/capacity alignment at all levels (S&OP/MPS/MRP/Execution).

- Reduce variability, stabilize flows, and cut extra costs associated with emergency management.
- Reduce employee stress and positively impact absenteeism and quality of work life.

Points forts

- **Action-Oriented Pedagogy:** The training adopts an active and participative approach, alternating between concepts and workshops, practical exercises with quizzes, and guided projects to ensure concrete skill acquisition.
- **Comprehensive and Structured Content:** The program covers all key aspects of operational performance and supply chain management, ranging from the fundamentals of industrial management (S&OP/MPS/MRP) to quality and continuous improvement (Lean, 5S, PDCA, QRQC).
- **Tangible Benefits for the Company:** This training enables organizations to optimize deliveries at reduced costs, minimize delays and costs related to non-quality, improve customer satisfaction, and sustain revenue through better alignment of capacity and demand.
- **Capability Certificate:** A capability certificate is awarded at the end of the training, provided the required score is achieved on the final quiz.

Modalités d'évaluation

Quiz / QCM
Travaux Pratiques

Pré-requis

- **Professional experience** as a Technician or Supervisor within one of the Supply Chain functions (production, planning, scheduling, inventory management, logistics, procurement, methods, etc.).
- **Basic knowledge** of concepts related to industrial and logistics flows

Public

- **Anyone involved in the technical functions of the supply chain**, including buyers, as well as supply chain specialists (production, planning, scheduling, inventory management, logistics) and methods experts.
- **Front-line managers responsible for operational control**, such as supervisors and team leaders.
- **Lean experts** who wish to deepen their expertise in operational performance and supply chain management.

Programme

Note: These modules are fully focused on acquiring and strengthening practical skills, with real-life case studies, hands-on exercises, and role-playing scenarios.

Module 1: Mastering Supply Chain Fundamentals

- Key terms and acronyms in the management of physical and information flows.
- Best practices in industrial management: S&OP (Sales & Operations Planning), MPS (Master Production Schedule), MRP (Material Requirements Planning), and execution.
- Different management methods adapted to diverse production environments.

Module 2: Managing Demand and Inventory

- Effective management of demand and its variability, from forecasting to execution.
- Strategies to optimize inventory management.
- Principles and best practices of distribution.

Module 3: Ensuring Compliance and Diagnosing Performance

- Methods to ensure production execution is aligned with the established schedule.
- Operational performance diagnostic tools: maturity grids, process mapping, and checklists.
- Analysis of load/capacity alignment: measurement of cycle times, lead times, OEE (Overall Equipment Effectiveness), utilization, and efficiency.

Module 4: Optimizing Management Through Visual Tools and Technical Data

- Implementation of visual management, SMART indicators (Specific, Measurable, Achievable, Realistic, Time-bound), and management rituals.
- Mastery and correction of technical MRP data, including recalibration for new mix/volume and optimization.

Module 5: Enhancing Purchasing Performance and Streamlining Flows

- Optimization of purchasing performance and supplier relationship management.
- Techniques for streamlining flows.
- Integration of continuous improvement methods (Lean, 5S, etc.).

Module 6: Managing Quality and Resolving Nonconformities

- Collection and analysis of nonconformities (TOP 3, Self-Quality Matrix, Poka-Yoke).
- Application of problem-solving tools: PDCA (Plan-Do-Check-Act) and QRQC (Quick Response Quality Control).
- Fundamentals of Lean: workshops, Metaplan, leadership, and people engagement.