

Supply Chain Dynamics: Optimizing Logistics Flows

Date and duration
<p>Training code : SUPC016EN</p> <p>Duration : 2 days</p> <p>Nombre d'heures : 14 heures</p>
Body
<p>In today's market environment, the performance of a supply chain is a determining factor in a company's success. This training focuses on the fundamental principles of supply chain dynamics, exploring the complex interactions between the different actors and the flows that connect them. It highlights the critical importance of understanding and mastering these dynamics in order to optimize efficiency, resilience, and responsiveness across the supply chain.</p> <p>The program begins with a definition and introduction to supply chain dynamics, followed by an analysis of its areas of study and theoretical foundations. Special attention is given to the Bullwhip Effect, a key phenomenon that illustrates the consequences of dynamics on flow and inventory management. Finally, the training addresses a holistic approach to optimization, enabling participants to view and manage the supply chain as a whole.</p> <p>Through an interactive methodology and practical case studies, you will develop an in-depth understanding of supply chain dynamics and acquire actionable tools to improve the performance of your organization.</p>
Objectifs
<p><i>By the end of this Supply Chain Dynamics training, you will have achieved the following competencies:</i></p> <ul style="list-style-type: none"> • Define and explain the concept of a dynamic supply chain, demonstrating a thorough understanding of what this notion encompasses; • Identify and analyze the different areas of study and theoretical foundations of supply chain dynamics, with the ability to connect concepts to real-world examples; • Understand and illustrate the Bullwhip Effect as a key example of supply chain dynamics, detailing its causes, consequences, and strategies to mitigate it; • Master the holistic approach to supply chain optimization, integrating consideration of variability and the inherent complexity of the system.
Points forts
<ul style="list-style-type: none"> • Trainer Expertise: The course is led by an experienced supply chain professional with over 15 years of operational expertise, ensuring training grounded in real business practices. • Practical and Operational Content: Gain knowledge and practices that are directly applicable to the design and management of supply chain operations. • Interactive Methodology: An active pedagogical approach that fosters learning by doing, combining theoretical input, concrete case studies, and group discussions. • Comprehensive Training Materials: Participants receive detailed course materials and practical tools (templates, analysis grids, etc.) to facilitate the application of acquired knowledge in their organization.

Modalités d'évaluation
<p>Quiz / QCM</p> <p>Case study</p>
Pré-requis
<ul style="list-style-type: none"> • Knowledge of the fundamental concepts of logistics, including inventory management, modes of transportation, and supply chain principles. • A solid practical understanding of supply chain operations and procurement methods.
Public
<p><i>This training is intended for:</i></p> <p><i>Anyone working or aspiring to work in the field of supply chain and procurement, including:</i></p> <ul style="list-style-type: none"> • Supply Chain Manager • Logistics Operations Manager • Flow Manager • Procurement Manager
Programme
<p>Module 1: Defining Supply Chain Dynamics</p> <ul style="list-style-type: none"> • Understanding the challenges of dynamics. • Current state of knowledge on supply chain dynamics. • Defining and interpreting your own dynamics. <p><i>Wooclap Quiz</i></p> <p>Module 2: Understanding the Areas of Study and Foundations</p> <ul style="list-style-type: none"> • Concepts of variability and complexity in supply chain dynamics. • Perspectives for studying variability and complexity: <ul style="list-style-type: none"> ◦ Sources and effects of variability and complexity; ◦ Optimizing the supply chain when facing variability and complexity. • Advanced foundations of supply chain dynamics. <p><i>Kahoot Quiz</i></p> <p>Module 3: Understanding the Bullwhip Effect</p> <ul style="list-style-type: none"> • The effects of supply chain dynamics: the Beer Game. • Definition of the Bullwhip Effect. • Causes and consequences of the Bullwhip Effect. • Levers to reduce load and stock fluctuations. • Presentation of examples of supply chain dynamics. <p><i>Case study:</i></p> <ul style="list-style-type: none"> • Analysis of an average demand policy. <p>Module 4: Understanding the Holistic Approach to Optimization</p>

- Definition of the holistic approach.
- Examining variability and complexity in the supply chain.
- The impact of variability and complexity on supply chain performance.
- Identifying optimization potential.

Final Quiz