

€ TRAINING

Conference on Production and Planning With
Scheduling and Control

7 - 11 July 2025
London (UK)





Conference on Production and Planning With Scheduling and Control

REF: C591 DATE: 7 - 11 July 2025 Venue: London (UK) - Fee: 5850 Euro

Introduction:

This conference covers essential strategies and techniques for optimizing production processes, including planning, scheduling, and controlling operations. Participants will learn how to improve production efficiency, manage resources effectively, and enhance operational performance.

Conference Objectives:

By the end of this conference, participants will be able to:

- Understand the fundamentals of production planning and its role in manufacturing success.
- Apply effective scheduling techniques to optimize production workflows.
- Control production processes to ensure quality and efficiency.
- Allocate resources effectively and manage inventory for just-in-time production.
- Evaluate production performance and implement continuous improvement strategies.

Target Audience:

- Production Managers.
- Operations Managers.
- Manufacturing Engineers.
- Supply Chain Managers.
- Professionals involved in production control.

Conference Outline:

Unit 1:

Fundamentals of Production Planning:

- Overview of production planning concepts.
- Capacity planning and its impact on production efficiency.
- Master production scheduling MPS techniques.

- Aligning production planning with business objectives.
- Key considerations in developing production plans.

Unit 2:

Scheduling Techniques for Production Efficiency:

- Scheduling principles and methods for optimizing production.
- Real-time scheduling adjustments to meet demand.
- Balancing workloads and managing capacity.
- Tools and technologies for production scheduling.
- Case Study: Application of scheduling techniques in a manufacturing environment.

Unit 3:

Controlling Production Processes:

- Implementing production control systems.
- Monitoring production KPIs for performance.
- Managing production bottlenecks and process delays.
- Ensuring quality control and compliance.
- Evaluating production processes for continuous improvement.

Unit 4:

Resource Allocation and Inventory Management:

- Effective resource allocation strategies for production.
- Managing inventory to support just-in-time production.
- Lean manufacturing principles for waste reduction.
- Optimizing material usage and reducing excess inventory.

Unit 5:

Performance Evaluation and Continuous Improvement:

- Monitoring production performance and outcomes.
- Identifying areas for improvement and implementing changes.
- Cost reduction strategies in production.
- Analyzing production data for decision-making.
- Importance of reporting production performance to stakeholders.