

# Production Manager certification course

*Practical course - 12d - 84h00 - Ref. KPU*

*Price : 4850 € E.T.*

A true orchestra conductor, the production manager plans, organizes and monitors production to achieve the defined objectives. It's a subtle job that requires a balance between technical expertise and change management. This certification cycle will help you to master the management basics (Lean, change management, continuous improvement, etc.) and techniques (MRP, Just-in-Time, etc.) of the production manager's job. You'll be able to deploy these approaches and tools, motivate and empower your teams, and guarantee the sustainability of improvement actions.

## Teaching objectives

**At the end of the training, the participant will be able to:**

- ✓ Become a recognized driver of change and continuous improvement
- ✓ Workshop planning skills, including MRP/CBN mechanisms
- ✓ Improving efficiency
- ✓ Deploy Lean, Just-in-Time and Kanban in the right way

## Intended audience

Workshop managers, production or production unit managers, team leaders.

## Prerequisites

Team management experience in production or related services.

## Practical details

### Teaching methods

The DUC course is the entry-level course, and must be taken at the beginning of the cycle. We recommend that you take the AME and LMI courses in this order. MGP and MOT can be taken at any time during the cycle.

### PARTICIPANTS

Workshop managers, production or production unit managers, team leaders.

### PREREQUISITES

Team management experience in production or related services.

### TRAINER QUALIFICATIONS

The experts leading the training are specialists in the covered subjects. They have been approved by our instructional teams for both their professional knowledge and their teaching ability, for each course they teach. They have at least five to ten years of experience in their field and hold (or have held) decision-making positions in companies.

### ASSESSMENT TERMS

The trainer evaluates each participant's academic progress throughout the training using multiple choice, scenarios, hands-on work and more. Participants also complete a placement test before and after the course to measure the skills they've developed.

## Course contents

This course consists of the following modules :

### Production manager, the basics

Ref. DUC - 2 days  5/5

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### Managing production with MRP

Ref. MGP - 2 days  4/5

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### Lean Management in the industrial sector

Ref. LMI - 2 days  4/5

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### Leading and Motivating Your Team

Ref. MOT - 3 days  4/5

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### Production Manager certification

Ref. KYU - 1 day

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## Course schedule

### 1 Production Manager, the keys to the job

- Understand your environment for greater efficiency.
- Put the customer back at the center of our concerns. Identify customer expectations.
- Improve operational performance.
- Understand the notion of added value, identify non-value-added items.
- Tools to be used.
- Use the PDCA wheel.
- Understand the essential tools for the field: red green, 5S, Smed, Hoshin of flows.
- Motivating and training employees.
- Identify phases of resistance to change and facilitating attitudes.
- Adapt your management style to the situations you encounter.

### Hands-on work

Reflection and group exchanges on steering tools. Process mapping. Carry out 5S simulations. Practical problem-solving exercises.

### TEACHING AIDS AND TECHNICAL RESOURCES

- The main teaching aids and instructional methods used in the training are audiovisual aids, documentation and course material, hands-on application exercises and corrected exercises for practical training courses, case studies and coverage of real cases for training seminars.
- At the end of each course or seminar, ORSYS provides participants with a course evaluation questionnaire that is analysed by our instructional teams.
- A check-in sheet for each half-day of attendance is provided at the end of the training, along with a course completion certificate if the trainee attended the entire session.

### TERMS AND DEADLINES

Registration must be completed 24 hours before the start of the training.

### ACCESSIBILITY FOR PEOPLE WITH DISABILITIES

Do you need special accessibility accommodations? Contact Mrs. Fosse, Disability Manager, at psh-accueil@orsys.fr to review your request and its feasibility.

## 2 Managing through continuous improvement

- The foundations of improvement.
- Identify the differences between Total Quality, Lean, Kaizen, Six Sigma® and continuous improvement.
- Know the basic concept: PDCA.
- Manage a continuous improvement project.
- Define basic project management tools: schedule, resource management, progress.
- Planning stages: sharing the diagnosis, opening, progress and closing meetings.
- Learn how to use the right diagnostic tool.
- Choose a SMART objective.
- Solve the problem as close to the ground as possible.
- Let's start simply: the 5Ps.
- Let's pose the problem: QQQQCPC, is/is not.
- Other continuous improvement tools.
- Communicate and motivate effectively, close to operations.

### Hands-on work

Discovery through numbers. Feedback and self-diagnosis of tools used. Data formatting exercises, goal-setting workshop. Practical problem-solving exercises: asking the right questions.

## 3 Managing production with MRP

- The basics of production management.
- Recognize customer and supplier objectives.
- Distinguish between the five production typologies.
- MRP fundamentals - Requirements calculation.
- Understand the successive levels of calculation and their characteristics.
- Master the detailed mechanisms for calculating MRP/CBN quantities.
- Workshop scheduling and launch.
- Understand the roles of launching and scheduling.
- Know the different scheduling criteria, their relevance and limits.
- Procurement and inventory management with MRP.
- Understand classic supply methods.
- Understand the content and application of procurement plans.
- New modes of collaboration in the extended enterprise.
- Understand new modes of customer-supplier collaboration.
- Choose the most appropriate flow management method.

### Hands-on work

Discussions on current customer requirements in terms of supply chain and lead times. Introductory MRP calculations. Production of PDP and CBN calculation tables. Analysis of the impact of Supply Chain contingencies on CBN.

#### 4 Lean Management in the industrial sector

- Discover Lean Manufacturing.
- Understand the context and history of the Lean Manufacturing approach.
- Understand the principles of Lean Manufacturing.
- Define and diagnose the production process.
- Describe the process using Value Stream Mapping.
- Identify and calculate the added and non-added values of the process.
- Pull flow: tools for optimizing the process.
- Implementing Just-in-Time with Kanban.
- Process optimization with TPM: TPM strengths, implementation and challenges.
- Apply and enforce standards.
- Maintain 5S results with visual management.
- Using visual management to lead a team.

##### Hands-on work

Production process simulation: construction of Value Stream Mapping in working groups. Large-group presentation of results and debriefing by the speaker. Simulation of a company AIC meeting: agenda and facilitation.

#### 5 Motivating and leading your team

- Set up common references with your team.
- Leading your team.
- Communication skills.
- Successful win-win negotiations.
- Building trust.
- Use the levers of motivation.
- Dare to delegate.
- Build your personal progress action plan.

##### Hands-on work

Case studies and collective reflection on managerial leadership. Role-playing and debriefing: assertiveness, leading team meetings.

## Dates and locations

### REMOTE CLASS

2026 : 28 May, 12 Oct.

### PARIS LA DÉFENSE

2026 : 28 May, 12 Oct.