

# FORMACIÓN



## CERTIFICACION

### LEAN YELLOW BELT ONLINE



#### Presentation

In a knowledge alliance, Global Lean and FUNDETEL of the Polytechnic University of Madrid, Global Lean imparts the Lean Yellow Belt Six Certification in Online mode, whose objective is to acquire the basic knowledge about the culture, methodology and Lean tools as Continuous Improvement.

At the end of this level, the student will be able to implement Lean tools, execute the continuous improvement methodology and identify the points of improvement in the company.

This certification accredited by Global Lean and FUNDETEL of the Polytechnic University of Madrid, is the demonstration that the knowledge has been acquired in a solid way. Have this certification not only indicates the learning of this methodology, but also demonstrates your real skills and knowledge.

#### Who should attend?

- Professionals who want to acquire knowledge in continuous improvement LEAN.
- Professionals in Supply Chain, logistics, distribution, transportation, warehouse, supply, purchasing, planning, quality, production, I+D, etc. who want to know the LEAN methodology to apply in their processes and departments

#### Why should I participate?

- To acquire the basic knowledge about the LEAN culture, methodology and tools as continuous improvement.
- To identify the VA (added value) and NVA (dumb) processes.
- To learn about LEAN tools.
- To design KAIZEN improvement events in the different value chains.



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## What is learned?

- The origin of continuous improvement Lean.
- The principles and values of Lean philosophy.
- To develop and share the Lean culture in the company.
- To identify the VA (added value) and NVA (mute) processes.
- Lean pillars: 5S, Standard.
- Lean tools for logistics-productive environments.
- To segment and analyze Value Chains.
- Develop action plans for Kaizen events.
- To design Kaizen improvement events using the A3 tool.

## How do you learn?

The course is aimed at combining theoretical content with its immediate applications in a practical and dynamic way. Through the E-Learning Platform students will get to know the bases of the Lean methodology through the different videos and case studies.

To obtain the Certification, students must pass the following activities with at least 7/10 points:

- **Test:** Random questions with multiple answers and only one of them correct. A test will be carried out after completing each module.
- **Question:** A question to be developed by the student in a writing of at least 300 words
- **Final Work:** A Project will be carried out with real group application

## Weighing:

- The test represents 20% of the final grade
- The question represents 35% of the final grade
- The Project represents 45% of the final grade

To receive the Yellow Belt Lean Certification, issued by Global Lean and Fundetel of the Polytechnic University of Madrid:

- The 3 evaluation activities must be carried out: Test, Question and Final work.
- Attendance to the course must be 100%.
- The minimum grade required to obtain the Certification is 7 out of 10.



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## **E-Learning Platform:**

Through the corresponding icon on the Global Lean website:

- Access the Online Platform.
- Select the Course.
  - Enter username and password.(Sent by email).
- Where you can:
  - Download all documentation.
  - Perform Test, Question and Final Work.
  - Fill in quality questionnaire.

## **Program**

### **Module 1: Introduction to the Lean Continuous Improvement model**

- **What is Lean?**
  - A brief history of Lean.
  - Toyota Production System.
- **What are the basic principles and values of Lean?**
  - A long term philosophy.
    - ✓ Customer orientation.
    - ✓ Competitiveness strategy.
  - A correct Process will produce the correct results:
  - Add value to the organization with the development of teams and partners.
  - The continuous resolution of problems generates organizational learning.
    - ✓ Go see it for yourself to understand the problem “Gemba Walks” and “Genchi Genbutsu”.
    - ✓ Organizational learning through continuous improvement "Kaizen".
- **Lean Management as Competitiveness strategy.**



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## **Module 2: LEAN Tools**

- **The pillars of Lean.**
  - 5S
  - Standard Work
- **Productivity Tools.**
  - JIT
  - One piece Flow
  - Heijunka
  - Pull System
- **Quality Tools**
  - Jidoka
  - Andon
  - Poka Yoke
  - TPM.
  - Visual management.
  - Lean Corner
  - Communication pannels.
  - Gemba Walk
  - Modal Analysis of Faults and Effects.

## **Module 3: How to implement Lean**

- Value Chain Selection Matrix.
- Alignment with strategic objectives.
- Value Stream Map.
- Key Performance Indicators (Quality, Cost & Deliver).
- Measure operational indicators.
- Identify problemas and wastes and its causes. 5 Why Analysis, Ishikawa 4M y Pareto Problems.



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- Selection and prioritization of Improvement Events through cost analysis - Impact of improvement events.
- Action Plan Development.
- Design, implementation and evaluation of Kaizen Events with A3 Tools.
- A3 Report.

## **Faculty Expert**

Professionals with more than 20 years of experience in the Lean and Six Sigma culture, methodology and tools in the Supply Chain.

## **Academic Regulations**

- Qualification: Diploma of "LEAN YELLOW BELT CERTIFICATION"
- Duration:
  - 40 Hours Online
  - 9 Weeks
- Place: E-Learning Global Lean Platform



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