



Mastering Lean Manufacturing: Process Control Systems and Automation

19 - 23 Oct 2026
Cairo



AGILE LEADERS
Training Center



Mastering Lean Manufacturing: Process Control Systems and Automation

Ref.: 36043_3876 **Date:** 19 - 23 Oct 2026 **Location:** Cairo **Fees:** 4100 **Euro**

Lean Manufacturing: Embrace Efficiency and Excellence Overview:

Welcome to 'Lean Manufacturing: Embrace Efficiency and Excellence', a transformative journey towards streamlined production and optimized resources. This course integrates important aspects like process and procedure design, business process analysis, and process engineering. In the rapidly evolving industrial landscape, a deep understanding of process control systems is imperative. This course will provide you with practical knowledge about business process redesign and training in process measurement to help your organization achieve operational excellence. Additionally, we touch upon robotic process automation courses to help you understand how technology can complement lean manufacturing processes.

Target Audience:

- Production managers
- Process engineers
- Quality control officers
- Operational heads
- Professionals interested in business process management training

Targeted Organizational Departments:

- Production
- Quality Control
- Operations
- Process Engineering



Targeted Industries:

- Automotive
- Food processing
- Pharmaceuticals
- Electronics manufacturing

Course Offerings:

- Understanding of process measurement
- Skills in process mapping
- Proficiency in business process redesign
- Control of various process control systems
- Business process reengineering certification
- Opportunity to learn robotic process automation

Training Methodology:

Our course deploys a blend of theoretical teaching, case studies, group work, interactive sessions, and hands-on exposure to process control systems. You will understand the importance of process and procedure, get insights into business process analysis, and take part in business process management training. Feedback sessions based on process engineering courses and robotic process automation courses will be a part of the daily routine.

Course Toolbox:

- Workbooks on process measurement, process mapping, business process modeling definition, and business process redesign
- Online resources for business process training
- Software for business process analysis and robotic process automation

Course Agenda:



Day 1: Foundations of Lean Manufacturing and Finance Principles

- Topic 1: What is Lean Manufacturing?
- Topic 2: Finance 101 by Taiichi: An Overview
- Topic 3: Reflection on the Forgotten M's in Manufacturing
- Reflection & Review: Understanding the Basics of Lean Manufacturing and Finance

Day 2: Standards, Flow and Automation

- Topic 1: No Standards, No Kaizen: Importance of Standards in Lean Manufacturing
- Topic 2: Standard Work in Lean Manufacturing
- Topic 3: Why Flow Counter Clockwise? An Analysis
- Reflection & Review: Focus on Standards and Flow in Lean Manufacturing

Day 3: Automation, Planning, and Quick Adjustments

- Topic 1: Jidoka - The Forgotten Pillar of Lean Manufacturing
- Topic 2: Heijunka in the Front Office and Its Importance • Topic 3: Why Heijunka? - Parts 1 & 2
- Topic 4: Single Minute Exchange of Dies SMED: An Introduction • Reflection & Review: Understanding Automation, Heijunka, and SMED in Lean Manufacturing



Day 4: Operational Efficiency, Value Stream Mapping, and Kaizen Rules

- Topic 1: OEE - Not Just for TPM Programs!
- Topic 2: Value Stream Mapping Overview: Current State and Future State
- Topic 3: Introduction to the Kaizen Newspaper: Two Types of Kaizen and Rules 1-4
- Reflection & Review: Delving into OEE, Value Stream Mapping and Kaizen Rules

Day 5: Kaizen Rules, Reflection, and Reality

- Topic 1: Kaizen Rules: 5-10
- Topic 2: Repent, I mean Hansei! Importance of Reflection in Lean Manufacturing
- Topic 3: Is Laying People Off Really Anti-Lean? A Discussion
- Topic 4: Shadows or Reality in Lean Manufacturing
- Reflection & Review: Final Reflection on Kaizen Rules and Ethical Practices in Lean Manufacturing

How This Course is Different from Other Lean Manufacturing Courses:

'Lean Manufacturing: Embrace Efficiency and Excellence' is a unique blend of traditional lean principles and emerging technology. The course not only provides insights into process engineering and business process analysis but also offers hands-on robotic process automation courses. Our business process redesign and reengineering certification stand out from other offerings as we integrate theory and practice with real-world case studies. This course goes beyond imparting knowledge on process and procedure, offering a holistic understanding of lean manufacturing with the use of process control systems, process measurement, and process mapping.



Training Course Categories



Agile PM and Project Management Training Courses



Certified Courses By International Bodies



Communication and Public Relations Training Courses



Data Analytics Training and Data Science Courses



Environment & Sustainability Training Courses



Finance and Accounting Training Courses



Governance, Risk and Compliance Training Courses



Human Resources Training and Development Courses



IT Security Training & IT Training Courses



Leadership and Management Training Courses



Legal Training, Procurement and Contracting Courses



Maintenance Training and Engineering Training Courses



Training Course Categories



Marketing, Customer Relations, and Sales Courses



Occupational Health, Safety and Security Training Courses



Personal & Self-Development Training Courses



Quality and Operations Management Training Courses



Secretarial and Administration Training Courses



Training Cities



Abu Dhabi - UAE



Accra - Ghana



Al Jubail - Saudi Arabia



Amman - Jordan



Amsterdam - Netherlands



Athens - Greece



Baku - Azerbaijan



Bali - Indonesia



Bangkok - Thailand



Barcelona - Spain



Berlin - Germany



Cairo - Egypt



Cape town - South Africa



Casablanca - Morocco



Chicago - USA



Doha - Qatar



Training Cities



Dubai - UAE



Frankfurt - Germany



Geneva - Switzerland



Istanbul - Turkey



Jakarta - Indonesia



Johannesburg - South Africa



Kuala Lumpur - Malaysia



Kuwait - Kuwait



Langkawi - Malaysia



Lisbon - Portugal



London - UK



Madrid - Spain



Manama - Bahrain



Marbella - Spain



Milan - Italy



Montreux - Switzerland



Training Cities



Munich - Germany



Muscat - Oman



Nairobi - Kenya



Nice - France



Paris - France



Phuket - Thailand



Porto - Portugal



Prague - Czech Republic



Riyadh - Saudi Arabia



Rome - Italy



San Diego - USA



Seoul - South Korea



Sharm El-Sheikh - Egypt



Singapore - Singapore



Tashkent - Uzbekistan



Tbilisi - Georgia



Training Cities



Tokyo - Japan



Toronto - Canada



Trabzon - Turkey



Vienna - Austria



Zanzibar - Tanzania



**Zoom - Online
Training**

WHO WE ARE

Agile Leaders is a renowned training center with a team of experienced experts in vocational training and development. With 20 years of industry experience, we are committed to helping executives and managers replace traditional practices with more effective and agile approaches.

OUR VISION

We aspire to be the top choice training provider for organizations seeking to embrace agile business practices. As we progress towards our vision, our focus becomes increasingly customer-centric and agile.

OUR MISSION

We are dedicated to developing value-adding, customer-centric agile training courses that deliver a clear return on investment. Guided by our core agile values, we ensure our training is actionable and impactful.

WHAT DO WE OFFER

At Agile Leaders, we offer agile, bite-sized training courses that provide a real-life return on investment. Our courses focus on enhancing knowledge, improving skills, and changing attitudes. We achieve this through engaging and interactive training techniques, including Q&As, live discussions, games, and puzzles.



AGILE LEADERS
Training Center

CONTACT US

 UAE, Dubai Investment Park First

 +971585964727
+447700176600

 sales@agile4training.com