



# إتقان أساسيات الصيانة: الدورة التدريبية الأساسية



## إتقان أساسيات الصيانة: الدورة التدريبية الأساسية

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### Course Overview:

The Course is designed to equip maintenance professionals with the essential skills and knowledge to excel in their roles. This comprehensive course covers critical topics such as the impact of maintenance on operations, preventive maintenance basics, and designing effective preventive maintenance programs. Participants will learn about maintenance planning, scheduled maintenance, and the roles and responsibilities of maintenance engineers.

The course also delves into technical aspects like shaft alignment techniques, rotor balancing methods, and bearing maintenance. Additional topics include maintenance of couplings, gearbox maintenance, compressor maintenance, control valve maintenance, conveyor maintenance, and maintenance of fans and blowers. Further, the course covers dust collector maintenance, pump maintenance, steam trap maintenance, and maintenance performance measurement. By the end of this course, participants will have a well-rounded understanding of maintenance fundamentals, enabling them to improve efficiency, reduce downtime, and enhance overall performance.

### Target Audience:

- Maintenance Managers
- Maintenance Engineers
- Reliability Engineers
- Maintenance Technicians
- Plant Managers
- Operations Managers

### Targeted Organizational Departments:

- Maintenance Departments
- Engineering Departments
- Operations Departments
- Reliability Departments
- Production Departments

### Targeted Industries:

- Manufacturing
- Oil and Gas
- Power Generation
- Chemical Processing
- Pharmaceuticals
- Food and Beverage

## Course Offerings:

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

- Understand the impact of maintenance on operations.
- Implement effective preventive maintenance basics and programs.
  - Plan and schedule maintenance activities.
  - Perform shaft alignment techniques and rotor balancing methods.
- Maintain bearings, couplings, gearboxes, compressors, control valves, conveyors, fans, blowers, dust collectors, pumps, and steam traps.
- Measure and manage maintenance performance.

## Training Methodology:

This course utilizes a mix of training methodologies to ensure a comprehensive learning experience. Participants will engage in case studies, group work, interactive sessions, and feedback sessions. These methods will help reinforce concepts like preventive maintenance basics, maintenance planning, and maintenance performance measurement. Real-world scenarios and hands-on exercises will be used to demonstrate technical skills such as shaft alignment techniques, rotor balancing methods, and bearing maintenance.

## Course Toolbox:

- Detailed workbooks
- Preventive maintenance checklists
- Shaft alignment and rotor balancing templates
- Case study materials
- Access to online resources and reading materials

## Course Agenda:

### Day 1: Introduction to Maintenance Fundamentals

- Maintenance Impact
- Topic 1:
- Preventive Maintenance Basics
- Topic 2:
- Preventive Maintenance Program
- Topic 3:
- Maintenance Planning
- Topic 4:
- Scheduled Maintenance
- Topic 5:
- Discuss the importance and impact of maintenance fundamentals.
- Reflection & Review:



## Day 2: Technical Maintenance Skills

- Shaft Alignment TechniquesTopic 1: •
- Rotor Balancing MethodsTopic 2: •
- Bearing MaintenanceTopic 3: •
- Maintenance of CouplingsTopic 4: •
- Gearbox MaintenanceTopic 5: •
- Reflect on the day's technical learnings.Reflection & Review: •

## Day 3: Equipment-Specific Maintenance

- Compressor Maintenance Topic 1: •
- Control Valve Maintenance Topic 2: •
- Conveyor Maintenance Topic 3: •
- Maintenance of Fans and Blowers Topic 4: •
- Dust Collector Maintenance Topic 5: •
- Review key maintenance techniques for various equipment. Reflection & Review: •

## Day 4: Advanced Maintenance Strategies

- Pump Maintenance Topic 1: •
- Steam Trap MaintenanceTopic 2: •
- Maintenance Engineering RolesTopic 3: •
- Maintenance Performance MeasurementTopic 4: •
- Advanced Maintenance PlanningTopic 5: •
- Evaluate advanced strategies and their applications.Reflection & Review: •

## Day 5: Practical Application and Review

- Case Study AnalysisTopic 1: •
- Hands-on Maintenance Planning Exercise Topic 2: •
- Group Discussion on Maintenance Best PracticesTopic 3: •
- Maintenance Performance ManagementTopic 4: •
- Final Q&A SessionTopic 5: •
- Final review and course summary.Reflection & Review: •

## How This Course is Different from Other Mastering Maintenance Fundamentals Training Courses:

The Mastering Maintenance Fundamentals Training Course stands out due to its comprehensive approach, covering a wide range of topics from preventive maintenance basics to advanced technical skills like shaft alignment techniques and rotor balancing methods. The course is designed to be highly interactive, with a focus on real-world applications and hands-on exercises. Participants will benefit from detailed case studies and group work that reinforce the practical aspects of maintenance planning and performance measurement. Additionally, the course provides access to innovative tools and resources, ensuring that attendees leave with a deep understanding of maintenance fundamentals and the skills to apply them effectively in their roles.



## فئات الدورات التدريبية



HR TRAINING & DEVELOPMENT

دورات إدارة و تطوير الموارد البشرية



دورات إدارة و تحليل البيانات ودورات علم البيانات



دورات إدارة الجودة وتطوير العمليات



الدورات التدريبية في مجال البيئة والاستدامة



دورات التسويق وإدارة علاقات العملاء وإدارة المبيعات



دورات التدريب القانوني والمشتريات والتعاقدات



دورات الاتصال الجماهيري و السياسات والعلاقات العامة



دورات النظم السيرياني ودورات تقنية المعلومات



دورات الصيانة ودورات المجالات الهندسية المتنوعة



دورات الصحة والسلامة والأمن المهني



دورات السكرتارية و إدارة المكاتب



دورات الحوكمة وإدارة المخاطر والامتثال



**AGILE LEADERS**  
Training Center

## فئات الدورات التدريبية



دورات معتمدة من قبل هيئات دولية



دورات في مجالات القيادة والإدارة



دورات المهارات الشخصية وتطوير الذات



دورات المحاسبة و التمويل و دورات الإدارة  
المالية



دورات مكتب إدارة المشاريع وإدارة المشاريع  
الرشيقية

## مدن التدريب



اسطنبول - تركيا



أمستردام - هولندا



أنقرة - تركيا



أثينا - اليونان



الرياض - المملكة العربية السعودية



الدوحة - قطر



الدار البيضاء - المغرب



الجبيل - المملكة العربية السعودية



باريس - فرنسا



المنامة - مملكة البحرين



الكويت - الكويت



القاهرة - مصر



براغ - جمهورية التشيك



بانكوك - تايلاند



بالي - جمهورية إندونيسيا



باكو - أذربيجان

## مدن التدريب



جاكرتا - جمهورية اندونيسيا



تبليسي - جورجيا



بوكيت - تايلاند



برشلونة - اسبانيا



روما - ايطاليا



دبي - الامارات العربية المتحدة



جوهانسبرغ - جنوب افريقيا



جنيف - سويسرا



شهر الشيخ - مصر



سيول - كوريا الجنوبية



سان دييغو - الولايات المتحدة  
الامريكية



زنجار - تنزانيا



طوكيو - اليابان



طشقند - اوزبكستان



طرابزون - تركيا



شيكاغو - الولايات المتحدة  
الامريكية

## مدن التدريب



كوالالمبور - ماليزيا



فيينا - النمسا



عن بعد - منصة زووم



عمان - المملكة الأردنية الهاشمية



ماربيا - اسبانيا



لندن - المملكة المتحدة



لانكاوي - ماليزيا



كيب تاون - جنوب إفريقيا



ميلان - إيطاليا



مونترنو - سويسرا



مسقط - سلطنة عمان



مدريد - إسبانيا



نيس - فرنسا



نيروبي - كينيا



ميونخ - ألمانيا

# 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.



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Training Center

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