



# الدورة التدريبية لإعداد وفتش الكهرباء للهباني السكنية



**AGILE LEADERS**  
Training Center

16 - 20 Mar 2027  
دبي - Road Zayed Sheikh Marriott by Inn Residence



## الدورة التدريبية للإعداد وفتش الكهرباء للهياكل السكنية

الرجوع: 36310\_23144 التاريخ: 16 - 20 Mar 2027 الموقع: دبي - الرسوم: Road Zayed Sheikh Marriott by Inn Residence  
Euro 6500

### Course Overview:

The course is designed to provide in-depth knowledge and practical skills for inspecting residential electrical systems. This course covers essential topics such as Electrical Safety, Conductor Sizes in Electrical Systems, Service Entrance and Drop Inspection, and Grounding and Bonding for Electrical Systems. Participants will learn to inspect Electrical Panels, Electrical Distribution Systems, and Branch Circuit Connections, ensuring compliance with GFCI and AFCI Circuit Requirements. The course also delves into aluminium wiring safety, electrical panel inspection techniques, and electrical outlet testing. Attendees will gain expertise in Residential Wiring Types, Electrical Meter and Base Installation, Service Amperage Calculation, and Main Disconnect Installation. The curriculum is structured to provide a complete understanding of Electrical Enclosure Inspection and identifying Problematic Electrical Panels. This course is tailored to meet the needs of electrical inspectors, focusing on Electrical Safety for Inspectors. It is ideal for those seeking to enhance their skills and ensure residential electrical systems are safe and compliant.

### Target Audience:

- Electrical Inspectors
- Residential Building Inspectors
- Electrical Engineers
- Safety Inspectors
- Maintenance Technicians
- Construction Managers
- Electricians

### Targeted Organizational Departments:

- Building Inspection Departments
- Electrical Safety Departments
- Maintenance Departments
- Construction and Engineering Departments

### Targeted Industries:

- Construction Industry
- Real Estate Industry
- Electrical Services Industry
- Government Regulatory Bodies

## Course Offerings:

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

- Ensure Electrical Safety in residential inspections.
- Accurately determine Conductor Sizes in Electrical Systems.
- Conduct complete Service Entrance and Drop Inspections.
- Implement effective Grounding and Bonding for Electrical Systems.
- Inspect and evaluate Electrical Panels.
- Understand Electrical Distribution Systems.
- Make proper Branch Circuit Connections.
- Apply GFCI and AFCI Circuit Requirements.
- Address Aluminium Wiring Safety.
- Utilize Electrical Panel Inspection Techniques.
- Test Electrical Outlets effectively.
- Identify and work with various Residential Wiring Types.
- Install Electrical Meters and Bases.
- Calculate Service Amperage.
- Install Main Disconnects.
- Inspect Electrical Enclosures.
- Recognize and address Problematic Electrical Panels.
- Maintain Electrical Safety for Inspectors.

## Training Methodology:

The course employs a variety of engaging and interactive training methodologies to ensure complete learning.

Participants will engage in case studies, group work, interactive sessions, and feedback sessions to reinforce learning. Practical demonstrations and hands-on activities will be used to illustrate key concepts such as Electrical Safety, Conductor Sizes in Electrical Systems, and Service Entrance and Drop Inspection.

## Course Toolbox:

- complete workbooks
- Reading Materials
- Online Resources
- Checklists for Electrical Safety
- Templates for Electrical Inspections

## Course Agenda:

## Day 1: Fundamentals and Safety

- Introduction to Electrical Inspection Topic 1: •
- Safety First: Electrical Safety Procedures Topic 2: •
- Basic Electrical Terms and Concepts Topic 3: •
- Simple Electrical Theory Overview Topic 4: •
- Conductor Sizes and Their Importance Topic 5: •
- Introduction to Service Entrance Systems Topic 6: •
- Key Learnings and Safety Practices Reflection & Review: •

## Day 2: Service Entrance and Grounding

- Service Drop: Inspection and Requirements Topic 1: •
- Service Mast and Attachments: Installation Standards Topic 2: •
- Service Lateral: Overview and Inspection Topic 3: •
- Electric Meters and Bases: Types and Installation Topic 4: •
- Service Entrance Cable: Selection and Installation Topic 5: •
- Grounding System: Principles and Practices Topic 6: •
- Grounding and Service Entrance Considerations Reflection & Review: •

## Day 3: Panels and Enclosures

- Grounding and Bonding of Components Topic 1: •
- Panels and Enclosures: Types and Standards Topic 2: •
- Service Panels: Inspection and Maintenance Topic 3: •
- The Main Disconnect: Function and Requirements Topic 4: •
- Service Amperage: Calculation and Compliance Topic 5: •
- Inspecting Enclosures, Part I: Basics Topic 6: •
- Enclosure Inspection Techniques Reflection & Review: •

## Day 4: Advanced Panel Inspections and Distribution

- Inspecting Enclosures, Part II: Detailed Inspection Topic 1: •
- Inspecting Enclosures, Part III: Complex Systems Topic 2: •
- Edison Base Screw Fuse Panels: Identification and Safety Topic 3: •
- Circuit Breaker Panels: Types and Testing Topic 4: •
- Problem Panels: Identification and Solutions Topic 5: •
- 3-Phase Panels and Panel Oddities Topic 6: •
- Challenges in Panel Inspections Reflection & Review: •

## Day 5: Wiring, Testing, and Advanced Circuits

- Electrical Distribution Systems Overview Topic 1: •
- Wiring Types: Identification and Safety Topic 2: •
- Aluminium Wiring: Risks and Inspection Techniques Topic 3: •
- Branch Circuit Connections: Standards and Practices Topic 4: •
- Testing Outlets and Terminations: Tools and Techniques Topic 5: •
- GFCI and AFCI Circuits: Requirements and Testing Topic 6: •
- Course Summary and Final Assessment Reflection & Review: •

## How This Course is Different from Other Electrical Inspector Courses:

This course stands out due to its complete coverage and practical approach. Unlike other courses, this program offers a deep dive into specific topics such as Electrical Safety, Conductor Sizes in Electrical Systems, and Service Entrance and Drop Inspection. The hands-on training methodology ensures participants can apply Grounding and Bonding for Electrical Systems and Electrical Panel Inspection Techniques in real-world scenarios. The course also addresses unique challenges like Aluminium Wiring Safety and Problematic Electrical Panels, providing participants with the techniques to handle these issues effectively.



## 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 السبراني 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 - إسبانيا



روما - إيطاليا



دبي - الإمارات العربية المتحدة



جوهانسبرغ - جنوب إفريقيا



جنيف - سويسرا



شرم الشيخ - مصر



سيول - كوريا الجنوبية



سان دييغو - الولايات المتحدة الأمريكية



زنجبار - تنزانيا



طوكيو - اليابان



طشقند - أوزبكستان



طرابزون - تركيا



شيكاغو - الولايات المتحدة الأمريكية

## مدن التدريب



كوالالمبور - ماليزيا



فيينا - النمسا



عن بعد - منصة زووم



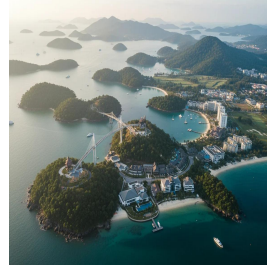
عمان - المملكة الأردنية الهاشمية



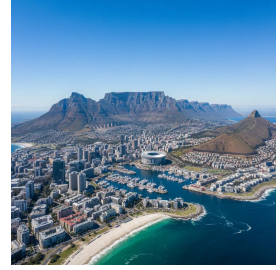
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لندن - المملكة المتحدة



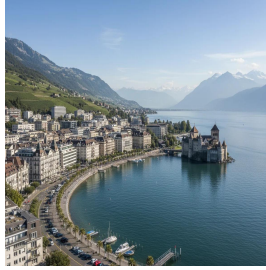
لانكاوي - ماليزيا



كيب تاون - جنوب إفريقيا



ميلان - إيطاليا



مونترال - سويسرا



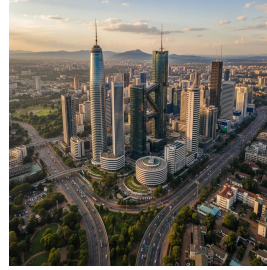
مسقط - سلطنة عمان



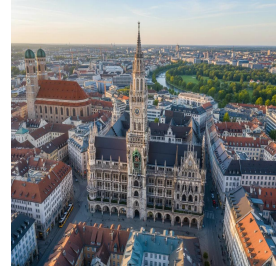
مدريد - إسبانيا



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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