



# إتقان الاستدامة الرقمية: إدارة التقنية للابتكار الأخضر



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### Course Overview

Sustainability is now essential for organizations worldwide. The training course aimed at helping IT professionals integrate sustainability into their operations. The course highlights the role of digital technologies in reducing carbon footprints and implementing green IT strategies.

Participants will explore ESG frameworks, comply with ISO standards, and learn about sustainable IT operations. They will gain hands-on experience with sustainability tracking software and energy-efficient data centre strategies. By aligning IT governance with environmental goals and examining technologies like blockchain, IoT, and AI, this course offers practical insights for fostering sustainable digital transformation.

### Target Audience

- IT Managers and Professionals
- Environmental Sustainability Officers
- Business Leaders focused on Green Innovation
- Corporate Strategists working on sustainability goals
- Organizations transitioning to environmentally sustainable practices

### Targeted Organizational Departments

- IT Operations
- Environmental Compliance
- Corporate Sustainability
- Data Center Management
- Supply Chain and Logistics

### Targeted Industries

- Information Technology and Cloud Service Providers
- Manufacturing and Supply Chain Industries
- Energy and Utilities
- Financial Services focused on ESG compliance
- Government and Public Sector



## Course Offerings

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

- Develop strategies to reduce the carbon footprint of IT operations.
- Implement green IT practices in alignment with ESG frameworks.
- Optimize IT resource use with IoT, AI, and energy-efficient tools.
- Understand ISO 14001 compliance for sustainable IT governance.
- Leverage blockchain and cloud computing for eco-friendly innovation.
- Create a sustainability roadmap tailored to organizational needs.

## Training Methodology

This program utilizes interactive lectures, group discussions, and practical workshops to ensure a dynamic learning experience. Participants will engage in real-world case studies, hands-on exercises using sustainability tracking methods, and collaborative policy design sessions. Reflection and feedback sessions after each day will consolidate learning, while the final project challenges participants to create a comprehensive IT sustainability strategy.

## Course Toolbox

- Comprehensive course ebooks
- Templates for IT sustainability roadmaps
- Checklists for green IT practices
- Real-world case studies and reports

## Course Agenda

### Day 1: Understanding the Foundations of Digital Sustainability

- Defining Digital Sustainability and its Importance Topic 1:
- Environmental Impact of IT Infrastructure and Operations Topic 2:
- Exploring Key Frameworks and Standards ESG, UN SDGs, ISO 14001 Topic 3:
- Key Concepts in Sustainable IT Management Topic 4:
- Identifying Opportunities for Carbon Footprint Reduction in IT Topic 5:
- Analyzing the Carbon Footprint of IT Systems Group Activity Topic 6:
- Reflection on the importance of digital sustainability and review of foundational Reflection & Review: principles



## Day 2: Implementing Green IT and Sustainable Practices

- Introduction to Green IT: Concepts and Benefits Topic 1: •
- Strategies for Energy-Efficient Data Centers and Cloud Computing Topic 2: •
- Best Practices for E-Waste Management and Recycling Topic 3: •
- Designing a Green IT Policy for Organizations Workshop Topic 4: •
- Exploring Renewable Energy Options for IT Operations Topic 5: •
- Monitoring IT Energy Consumption with Digital Tools Topic 6: •
- Discussion on practical steps for implementing Green IT and key takeaways from the Reflection & Review: •
- day

## Day 3: Leveraging Technology to Achieve Environmental Goals

- Using Digital Tools to Monitor Environmental Impact Topic 1: •
- Role of IoT in Sustainability Initiatives Topic 2: •
- AI for Resource Optimization and Environmental Monitoring Topic 3: •
- Case Studies: Successful Examples of IT-Driven Sustainability Topic 4: •
- Applying Sustainability Tracking Software Hands-on Exercise Topic 5: •
- Aligning IT Operations with UN SDGs and Environmental Goals Topic 6: •
- Reflection on leveraging technology for sustainability and review of case studies Reflection & Review: •

## Day 4: Governance, Compliance, and Performance in IT Sustainability

- IT Governance Strategies for Sustainability Alignment Topic 1: •
- Understanding Compliance with Environmental Regulations Topic 2: •
- Measuring Sustainability Performance: Key Metrics and KPIs Topic 3: •
- Overcoming Barriers to Adopting Sustainable IT Practices Topic 4: •
- Developing ISO 14001-Compliant IT Policies Topic 5: •
- Creating Sustainability Reports for IT Operations Topic 6: •
- Group discussion on governance challenges and review of KPI-based performance Reflection & Review: •
- tracking

## Day 5: Innovations and Future Trends in Digital Sustainability

- Exploring Emerging Technologies: Blockchain, Green AI, and Edge Computing Topic 1: •
- Digital Tools for Creating Sustainable Supply Chains Topic 2: •
- Strategies for IT Solutions in Achieving Carbon Neutrality Topic 3: •
- Driving Innovation in Sustainable Digital Transformation Topic 4: •
- Final Project: Developing a Comprehensive Digital Sustainability Roadmap Topic 5: •
- Presentation and Feedback Session: Sharing Sustainability Strategies Topic 6: •
- Wrap-up discussion on future trends and final thoughts on course outcomes Reflection & Review: •

What specific qualifications or prerequisites are needed for participants before enrolling in the course? •

No formal qualifications are required. However, basic knowledge of IT operations and a keen interest in sustainability are beneficial.

How long is each day's session, and what is the total duration? •

Each day's session lasts 4-5 hours, including interactive activities. The total course duration is 20-25 hours across five days.

How will participants track and measure the success of sustainability initiatives? •

Participants will be introduced to sustainability tracking software and KPI measurement tools, ensuring actionable insights into their organization's progress.

## How This Course is Different from Other Digital Sustainability Courses

Unlike conventional courses, Mastering Digital Sustainability: IT Management for Green Innovation delves deeply into both the technical and strategic aspects of sustainable IT. It integrates cutting-edge topics like blockchain, IoT, and AI for resource optimization while emphasizing practical applications through workshops and hands-on exercises. The course is tailored to provide actionable insights for real-world implementation, setting participants up for measurable success in aligning IT operations with environmental goals.



## 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



أمستردام - هولندا



أكرا - غانا



أثينا - اليونان



أبوظبي - الإمارات العربية المتحدة



الدوحة - قطر



الدار البيضاء - المغرب



الجبيل - المملكة العربية السعودية



استنبول - تركيا



المنامة - مملكة البحرين



الكويت - الكويت



القاهرة - مصر



الرياض - المملكة العربية السعودية



بانكوك - تايلند



بالي - جمهورية اندونيسيا



بأكو - أذربيجان



باريس - فرنسا

## مدن التدريب



بورنو - البرتغال



برلين - ألمانيا



برشلونة - إسبانيا



براغ - جمهورية التشيك



جنيف - سويسرا



جاكرتا - جمهورية إندونيسيا



تيليسي - جورجيا



بوكيت - تايلاند



زنجبار - تنزانيا



روما - إيطاليا



دبي - الإمارات العربية المتحدة



جوهانسبرغ - جنوب إفريقيا



شهر الشيخ - مصر



سيول - كوريا الجنوبية



سنغافورة - سنغافورة



سان دييغو - الولايات المتحدة الأمريكية

## مدن التدريب



طوكيو - اليابان



طشقند - أوزبكستان



طرابزون - تركيا



شيكاغو - الولايات المتحدة  
الأمريكية



فيينا - النمسا



فرانكفورت - ألمانيا



عن بعد - منصة زوم



عمان - المملكة الأردنية الهاشمية



لندن - المملكة المتحدة



لانكاوي - ماليزيا



كيب تاون - جنوب إفريقيا



كوالالمبور - ماليزيا



مونتره - سويسرا



مسقط - سلطنة عمان



مدريد - إسبانيا



ماربيا - إسبانيا

## مدن التدريب



نيس - فرنسا



نيروبي - كينيا



ميونخ - ألمانيا



ميلان - إيطاليا

# 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](mailto:sales@agile4training.com)