



# إتقان الاستدامة الرقمية: إدارة التقنية للابتكار الأخضر



**AGILE LEADERS**  
Training Center

10 - 14 Aug 2027  
القاهرة

## إتقان الاستدامة الرقمية: إدارة التقنية للابتكار الأخضر

المرجع: 36391\_79963 التاريخ: 10 - 14 Aug 2027 الموقع: القاهرة الرسوم: 4100 Euro

### 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

|                                                    |                                                     |
|----------------------------------------------------|-----------------------------------------------------|
| الدورات التدريبية في مجال البيئة والاستدامة        | دورات إدارة الجودة وتطوير العمليات                  |
| دورات إدارة و تحليل البيانات ودورات علم البيانات   | دورات إدارة و تطوير الموارد البشرية                 |
| دورات الذهن السيرياني ودورات تقنية المعلومات       | دورات الاتصال الجماهيري و السياسات والعلاقات العامة |
| دورات التدريب القانوني والهشتريات والتعاقدات       | دورات التسويق وإدارة علاقات العملاء وإدارة المبيعات |
| دورات الحوكمة وإدارة المخاطر والامتثال             | دورات السكرتارية و إدارة المكاتب                    |
| دورات الصحة والسلامة والذهن المهني                 | دورات الصيانة ودورات المجالات الهندسية المتنوعة     |
| دورات المحاسبة و التهويل و دورات الإدارة المالية   | دورات المهارات الشخصية وتطوير الذات                 |
| دورات في مجالات القيادة والإدارة                   | دورات معتمدة من قبل هيئات دولية                     |
| دورات مكتب إدارة المشاريع وإدارة المشاريع الرشيقية |                                                     |



## معدن التدريب

|                                      |                                         |                                    |
|--------------------------------------|-----------------------------------------|------------------------------------|
| أكرا<br>غانا                         | أثينا<br>اليونان                        | أبوظبي<br>الإمارات العربية المتحدة |
| الجبيل<br>المملكة العربية السعودية   | استنبول<br>تركيا                        | أهستردام<br>هولندا                 |
| الرياض<br>المملكة العربية السعودية   | الدوحة<br>قطر                           | الدار البيضاء<br>المغرب            |
| المنامة<br>مملكة البحرين             | الكويت<br>الكويت                        | القاهرة<br>مصر                     |
| بانكوك<br>تايلند                     | باكو<br>أذربيجان                        | باريس<br>فرنسا                     |
| برلين<br>ألمانيا                     | برشلونة<br>إسبانيا                      | براغ<br>جمهورية التشيك             |
| تيليسي<br>جورجيا                     | بوكيت<br>تايلاند                        | بورتو<br>البرتغال                  |
| جنيف<br>سويسرا                       | جاكارتا<br>جمهورية إندونيسيا            | تورنتو<br>كندا                     |
| روما<br>إيطاليا                      | حلي<br>الإمارات العربية المتحدة         | جوهانسبرغ<br>جنوب أفريقيا          |
| سنغافورة<br>سنغافورة                 | سان دييغو<br>الولايات المتحدة الأمريكية | زنجان<br>تنزانيا                   |
| شيكاغو<br>الولايات المتحدة الأمريكية | شرم الشيخ<br>مصر                        | سيول<br>كوريا الجنوبية             |
| طوكيو<br>اليابان                     | طشقند<br>أوزبكستان                      | طرابزون<br>تركيا                   |
| فرانكفورت<br>ألمانيا                 | عن بعد<br>منصة زووم                     | عمان<br>المملكة الأردنية الهاشمية  |

## مدن التدريب

|                          |                                       |                    |
|--------------------------|---------------------------------------|--------------------|
| كيب تاون<br>جنوب افريقيا | كوالالمبور<br>ماليزيا                 | فيينا<br>النمسا    |
| لندن<br>المملكة المتحدة  | لشبونة<br>البرتغال                    | لانكاوي<br>ماليزيا |
| مسقط<br>سلطنة عمان       | هدريد<br>اسبانيا                      | ماربيا<br>اسبانيا  |
| ميونخ<br>ألمانيا         | ميلان<br>إيطاليا                      | مونترو<br>سويسرا   |
|                          | نيويورك<br>الولايات المتحدة الأمريكية | نيروبي<br>كينيا    |