



# الإدارة التحليلية لبيانات الإنتاج لقطاع النفط والغاز



**AGILE LEADERS**  
Training Center

01 - 05 Nov 2026  
الدوحة



## الإدارة التحليلية لبيانات الإنتاج لقطاع النفط والغاز

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### Course Overview:

In the rapidly evolving oil and gas industry, data has become the new oil. The "Analytical Production Data Management For Oil and Gas" course is designed to harness the full potential of data produced and stored by the industry. Participants will learn how to derive value from data, emphasizing the importance of intention, planning, coordination, and commitment in data management. This course covers vital areas such as Oil and Gas Data Management, Data Analytics in Oil and Gas, and Oil and Gas Industry Data. It aims to make business processes more efficient and foster innovative information technology implementations. Attendees will explore Data Governance in Oil and Gas, Oil and Gas Information Management, Oil and Gas Data Security, Business Intelligence in Oil and Gas, and E&P Data Management. By integrating Data Silos and focusing on Centralized Data Management, participants will gain insights into Data Management Systems, Data Quality, and Oil and Gas Digital Transformation. This ensures a comprehensive understanding of Data Management Best Practices and Standards for Oil and Gas professionals.

### Target Audience:

- Project Managers
- Program Managers
- Technical Managers
- Process Engineers
- Instrumentation Engineers
- Supply Chain Managers
- Asset Managers
- Geoscientists
- Production Engineers

### Targeted Organizational Departments:

- Exploration & Production E&P
- Information Technology
- Data Management
- Operations
- Asset Management
- Supply Chain Management
- Business Intelligence and Analytics

## Targeted Industries:

- Oil and Gas Exploration and Production
- Petroleum Refining
- Petrochemicals
- Energy Sector
- Oilfield Services
- Pipeline Transportation
- Energy Consulting Firms

## Course Offerings:

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

- Identify sources and formats of data within the oil and gas industry
- Understand the DAMA standard for data management
- Implement a centralized data management system
- Utilize key technology solutions for data management
- Integrate data silos for overall optimization
- Ensure data quality and security
- Apply business intelligence tools in oil and gas
- Use data for digital transformation and business process improvement

## Training Methodology:

This course employs a blend of theoretical and practical learning approaches, ensuring a thorough understanding of data management principles. Participants will engage in case studies, group work, interactive sessions, and hands-on activities. The methodology includes video materials, presentations, and practical work with data management systems and software. This interactive approach ensures participants can apply the knowledge gained to real-world scenarios, enhancing their skills in Oil and Gas Data Management, Data Analytics, and Data Governance.

## Course Toolbox:

- Comprehensive workbooks and reading materials
- Online resources and reference materials
- Checklists and templates for data management processes
- Case studies and examples from the oil and gas industry

## Course Agenda:

## Day 1: Data Management within Oil and Gas

- Introduction, Definitions, and Framework of Data Management in Oil and Gas Industry Topic 1: •  
Identifying Data Sources Topic 2: •  
The Business Value for Data Management Topic 3: •  
The Data Management Lifecycle Topic 4: •  
Exploring Data Domains and Facets Topic 5: •  
Key Concepts and Industry Applications Reflection & Review: •

## Day 2: Data Governance, Handling, and Quality

- Cultivating a Data Culture in Oil and Gas Topic 1: •  
Business Drivers for Data Governance Topic 2: •  
Managing Data Projects Topic 3: •  
Implementing Data Governance Guidelines Topic 4: •  
Data Rules, Translation, and Transformation Topic 5: •  
Best Practices in Data Governance Reflection & Review: •

## Day 3: Information Management Fundamentals

- Ensuring Data Quality Assurance Topic 1: •  
Principles of Data Sharing Topic 2: •  
Data Life Cycle and Quality Management Topic 3: •  
Data Models and Reference Data Topic 4: •  
From Data to Information to Knowledge Topic 5: •  
Enhancing Data Quality and Management Reflection & Review: •

## Day 4: Data Storage and Security

- Data Security Strategies Topic 1: •  
Access Management for Data Topic 2: •  
Visualizing Data Effectively Topic 3: •  
Ensuring Data Traceability Topic 4: •  
Business Intelligence in Oil and Gas Topic 5: •  
Securing and Visualizing Data Reflection & Review: •

## Day 5: E&P Data Management for Business Improvement

- Aligning E&P Business Processes with Data Management Topic 1: •  
Creating Digital Twins for E&P Processes Topic 2: •  
Data Governance in E&P Topic 3: •  
Data for Disaster Recovery and Business Continuity Topic 4: •  
Implementing Data Management Systems in E&P Topic 5: •  
Leveraging Data for E&P Optimization Reflection & Review: •

## How This Course is Different from Other Oil and Gas Courses:

This course stands out by offering a comprehensive, hands-on approach tailored specifically for the oil and gas industry. It uniquely integrates Data Management Systems with real-world applications, focusing on Business Intelligence and Digital Transformation. Participants gain practical experience with data management software and tools, ensuring they can immediately apply their knowledge. The course emphasizes the importance of Data Quality, Security, and Governance, providing a holistic view of Data Management Best Practices and Standards. Additionally, it covers the integration of Data Silos and the implementation of Centralized Data Management, ensuring participants are equipped to handle the complexities of modern data management in the oil and gas sector.



## 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



## فئات الدورات التدريبية



دورات معتمدة بشهادة CPD



دورات في مجالات القيادة والإدارة



دورات المهارات الشخصية وتطوير الذات



دورات المحاسبة و التمويل و دورات الإدارة  
الهائية



دورات مكتب إدارة المشاريع وإدارة المشاريع  
الرشيقية



دورات معتمدة من قبل هيئات دولية

## 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



زنبار - 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



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.



**AGILE LEADERS**  
Training Center

## CONTACT US

 UAE, Dubai Investment Park First

 +971585964727  
 +447700176600

 [sales@agile4training.com](mailto:sales@agile4training.com)