Accredited Africa Training Institute for Capacity Development
Unit FO409, Hatfield Plaza · 1122 Burnett St, Hatfield 0028 · Pretoria, Gauteng · South Africa
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COURSE BROCHURE

Energy Data Management

Custom Courses / Energy, Oil and Gas

Unit Standard AATICD-0467 · NQF Level 5 · 4 Credits · 2 Days

COURSE OVERVIEW

This course equips participants with the knowledge and skills to effectively manage energy data within their organisations. It covers the collection, analysis, and interpretation of energy data to support decision-making, improve energy efficiency, and reduce costs. Participants will learn to apply best practices in energy data management, ensuring data accuracy, integrity, and usability for performance monitoring and reporting.

Category	Custom Courses
Subfield	Energy, Oil and Gas
Unit Standard	AATICD-0467
Accreditation	SAQA Accredited · NQF Level 5 · 4 Credits
Duration	2 days
Training Method	Online, On-Campus, In-House
Certificate	Issued via AATICD LMS — verifiable online

LEARNING OUTCOMES

- Apply energy data management principles to collect, store, and retrieve energy data effectively.
- Analyze energy data to identify trends, anomalies, and opportunities for energy savings.
- Evaluate energy performance using key performance indicators (KPIs) and benchmarking.
- Design energy data collection and reporting systems that meet organisational needs.
- Implement data quality assurance measures to ensure accuracy and reliability of energy data.
- Demonstrate the use of energy data in supporting energy management decisions and sustainability initiatives.

WHO SHOULD ATTEND

- This course is designed for energy managers, facilities managers, sustainability officers, and professionals responsible for energy monitoring and reporting.
- It is also suitable for anyone seeking to enhance their skills in data-driven energy management.

COURSE OUTLINE

Day 1: **Foundations of Energy Data Management**

- Introduction to energy data management
- Energy data sources (smart meters, SCADA, IoT
- Data types and formats
- Data quality dimensions (accuracy, completeness, timeliness
- Data collection methods and tools
- Data storage and database fundamentals
- Energy data governance and security
- Overview of relevant regulations (e.g., NERSA, ISO 50001

Day 2: **Advanced Energy Data Analytics and Integration**

- Energy data analysis techniques (trend, regression, anomaly detection
- Data visualisation and dashboarding
- Integration of smart meter and IoT data
- Energy performance indicators (EnPIs) and benchmarking
- Energy management information systems (EMIS
- Reporting and decision support
- Case studies in energy data-driven efficiency
- Future trends: AI and machine learning in energy data

ASSESSMENT & CERTIFICATION

Delegates are assessed through exercises and a final test. A mark of **50% or above** earns an **AATICD Certificate of Completion**, issued digitally with a unique verification code. This course carries **4 NQF credits** at **NQF Level 5**.

PRICING (PER DELEGATE, EX-VAT)

Delegates	Training Method	Price per Delegate	Total
1	Online	R 11,900.00	**R 11,900.00**
1	In-House	R 16,100.00	**R 16,100.00**
1	On-Campus (Pretoria)	R 17,800.00	**R 17,800.00**

UPCOMING SESSIONS

Start	End	Method	Venue
01 Dec 2026	02 Dec 2026	On-Campus	Durban, South Africa
02 Dec 2026	03 Dec 2026	On-Campus	Dubai, UAE
03 Dec 2026	04 Dec 2026	On-Campus	Victoria Falls, Zimbabwe
03 Dec 2026	04 Dec 2026	On-Campus	Cape Town, South Africa
10 Dec 2026	11 Dec 2026	On-Campus	Maseru, Lesotho
10 Dec 2026	11 Dec 2026	On-Campus	Kigali, Rwanda
10 Dec 2026	11 Dec 2026	On-Campus	Accra, Ghana
10 Dec 2026	11 Dec 2026	On-Campus	Cape Town, South Africa

Contact us if no suitable date is listed — on-demand sessions can be arranged for groups.

HOW TO GET A QUOTATION OR APPLY

1. **Get an instant quotation online:** visit www.aaticd.co.za, open the page for this course (Unit Standard AATICD-0467) and click **Get A Quotation**. Select your training method and number of delegates — your quotation is generated immediately and emailed to you with the course brochure attached.
2. **Apply by email:** send the course title, your preferred training method (Online, In-House or On-Campus Pretoria), the number of delegates and your preferred dates to **apply@aaticd.co.za** — our team will reply with a formal quotation.
3. **Apply by phone or WhatsApp:** call **+27 12 004 8389** or WhatsApp **+27 65 077 6310** and we will prepare your quotation and reserve your seats.
4. **Confirm your booking:** accept the quotation and settle the invoice. As soon as payment is confirmed your delegates are enrolled and receive their AATICD LMS login details by email, along with joining instructions for their chosen training method.

Group discounts apply automatically — the more delegates you enrol, the lower the price per delegate. No payment is required to request a quotation.

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