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 Monitoring and Targeting

Custom Courses / Energy, Oil and Gas

Unit Standard AATICD-0466 · NQF Level 5 · 4 Credits · 2 Days

COURSE OVERVIEW

This course equips participants with the knowledge and skills to effectively monitor and target energy usage within their organisations. It covers the principles of energy monitoring, data collection and analysis, and the development of energy performance indicators to drive efficiency and cost savings.

Category	Custom Courses
Subfield	Energy, Oil and Gas
Unit Standard	AATICD-0466
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 monitoring techniques to collect and record accurate energy consumption data.
- Analyze energy data to identify trends, anomalies, and opportunities for improvement.
- Evaluate energy performance against established benchmarks and targets.
- Design and implement an energy monitoring and targeting system tailored to organisational needs.
- Demonstrate the ability to report on energy performance and communicate findings to stakeholders.

WHO SHOULD ATTEND

- This course is designed for energy managers, facilities managers, engineers, and sustainability professionals responsible for reducing energy consumption and improving operational efficiency.

COURSE OUTLINE

Day 1: **Foundations of Energy Monitoring and Targeting**

- Introduction to energy monitoring and targeting: definitions, benefits, and regulatory context (e.g., South African Energy Efficiency targets).
- Energy data collection: metering, sub-metering, data logging, and data quality.
- Establishing energy baselines and energy performance indicators.
- Introduction to statistical tools: regression analysis, CUSUM, and control charts.
- Overview of energy management systems (e.g., ISO 50001) and M&T;'s role.
- Case studies of M&T; in South African industries.

Day 2: **Advanced M&T; Techniques and Implementation**

- Advanced data analysis: multi-variable regression, benchmarking, and load profiling.
- Identifying and prioritising energy-saving opportunities (ECMs).
- Integrating M&T; with operational controls: feedback loops, alarms, and automated reporting.
- Reporting and communication: dashboards, energy reviews, and management engagement.
- Continuous improvement: using M&T; to track savings and verify performance.
- Practical considerations: cost-benefit analysis, metering infrastructure, and software tools.
- Developing an M&T; implementation plan for your organisation.

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
02 Dec 2026	03 Dec 2026	On-Campus	Victoria Falls, Zimbabwe
02 Dec 2026	03 Dec 2026	On-Campus	Cape Town, South Africa
03 Dec 2026	04 Dec 2026	On-Campus	Shenzhen, China
03 Dec 2026	04 Dec 2026	On-Campus	Lagos, Nigeria
09 Dec 2026	10 Dec 2026	On-Campus	Maseru, Lesotho
09 Dec 2026	10 Dec 2026	On-Campus	Kigali, Rwanda
09 Dec 2026	10 Dec 2026	On-Campus	Accra, Ghana
09 Dec 2026	10 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-0466) 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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