



Accredited Africa Training Institute for Capacity Development

Unit FO409, Hatfield Plaza · 1122 Burnett St, Hatfield 0028 · Pretoria, Gauteng · South Africa

Tel: +27 12 004 8389 · Mobile: +27 65 077 6310

Email: apply@aatikd.co.za · Website: www.aatikd.co.za

COURSE BROCHURE

Energy Audit and Management Systems

Custom Courses / Energy, Oil and Gas

Unit Standard AATICD-0458 · NQF Level 5 · 6 Credits · 3 Days

COURSE OVERVIEW

This course equips learners with the knowledge and practical skills to conduct energy audits and implement effective energy management systems in accordance with relevant standards and legislation. It focuses on identifying energy-saving opportunities, reducing operational costs, and promoting sustainable practices within South African organisations.

Category	Custom Courses
Subfield	Energy, Oil and Gas
Unit Standard	AATICD-0458
Accreditation	SAQA Accredited · NQF Level 5 · 6 Credits
Duration	3 days
Training Method	Online, On-Campus, In-House
Certificate	Issued via AATICD LMS – verifiable online

LEARNING OUTCOMES

- Apply the principles of energy auditing and management systems to real-world scenarios.
- Analyse energy consumption data to identify significant energy uses and areas for improvement.
- Evaluate energy performance against benchmarks and regulatory requirements.
- Design an energy audit plan and implement energy conservation measures.
- Demonstrate the use of energy management tools and techniques to monitor and report on performance.
- Implement a continuous improvement process for energy management in line with ISO 50001 principles.

WHO SHOULD ATTEND

- This course is designed for energy managers, facilities managers, engineers, environmental officers, and other professionals responsible for energy performance and sustainability within their organisations.

COURSE OUTLINE

Day 1: Foundations of Energy Auditing

- Introduction to energy management and auditing
- South African energy landscape and regulations (e.g., SANS 50001, NERSA)
- Energy audit types and levels (walk-through, preliminary, detailed)
- Audit process: planning, data collection, analysis, reporting
- Energy performance indicators and benchmarking
- Energy efficiency opportunities in common systems (lighting, HVAC, motors)
- Introduction to energy audit tools and instruments

Day 2: Data Collection and Analysis

- Data collection methods: utility bills, sub-metering, load profiling
- Measurement instruments: power meters, data loggers, thermal cameras
- Energy analysis: normalization, regression, CUSUM
- Identifying energy waste and efficiency opportunities
- Financial analysis: simple payback, ROI, life-cycle costing
- Case studies: industrial, commercial, and municipal audits
- Reporting and presenting audit findings

Day 3: Energy Management Systems and Integration

- Overview of ISO 50001 and its requirements
- Energy policy and planning: baseline, EnPI, objectives
- Implementation: operational controls, communication, training
- Performance evaluation: monitoring, measurement, analysis, internal audit
- Management review and continual improvement
- Integration with other management systems (ISO 14001, ISO 9001)
- Practical steps for sustaining energy savings
- Course wrap-up and assessment

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 **6 NQF credits** at **NQF Level 5**.

PRICING (PER DELEGATE, EX-VAT)

Delegates	Training Method	Price per Delegate	Total
1	Online	R 13,900.00	R 13,900.00
1	In-House	R 18,100.00	R 18,100.00
1	On-Campus (Pretoria)	R 20,800.00	R 20,800.00

UPCOMING SESSIONS

Start	End	Method	Venue
30 Sep 2026	02 Oct 2026	On-Campus	Mombasa, Kenya
30 Sep 2026	02 Oct 2026	On-Campus	Blantyre, Malawi
30 Sep 2026	02 Oct 2026	On-Campus	Shenzhen, China
05 Oct 2026	07 Oct 2026	On-Campus	Kigali, Rwanda
05 Oct 2026	07 Oct 2026	On-Campus	Windhoek, Namibia
05 Oct 2026	07 Oct 2026	On-Campus	Bangkok, Thailand
06 Oct 2026	08 Oct 2026	On-Campus	Mbabane, Eswatini
06 Oct 2026	08 Oct 2026	Online	—

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

HOW TO GET A QUOTE OR APPLY

1. **Get an instant quotation online:** visit www.aaticd.co.za, open the page for this course (Unit Standard AATICD-0458) and click **Get A Quote / Apply**. 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.

Accredited Africa Training Institute for Capacity Development

Unit FO409, Hatfield Plaza, 1122 Burnett St, Hatfield 0028, Pretoria, Gauteng, South Africa
Tel: +27 12 004 8389 · WhatsApp: +27 65 077 6310 · apply@aaticd.co.za · www.aaticd.co.za