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 Systems Management

Custom Courses / Energy, Oil and Gas

Unit Standard AATICD-0474 · NQF Level 5 · 4 Credits · 2 Days

COURSE OVERVIEW

This course equips participants with the knowledge and skills to effectively manage energy systems within an organisation, focusing on energy efficiency, sustainability, and cost reduction. It covers the principles of energy management, monitoring and analysis of energy consumption, and the implementation of energy-saving initiatives.

Category	Custom Courses
Subfield	Energy, Oil and Gas
Unit Standard	AATICD-0474
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 the fundamental principles of energy management to identify opportunities for energy efficiency.
- Analyze energy consumption data to assess performance and identify areas for improvement.
- Evaluate different energy sources and technologies for their suitability in specific applications.
- Design and implement an energy management plan that aligns with organisational objectives.
- Demonstrate the ability to monitor and report on energy performance using appropriate metrics.
- Implement energy-saving measures and ensure compliance with relevant legislation and standards.

WHO SHOULD ATTEND

- This course is designed for facility managers, energy coordinators, engineers, and other professionals responsible for overseeing energy use in industrial, commercial, or institutional settings.

COURSE OUTLINE

Day 1: **Fundamentals of Energy Management and Systems Thinking**

- Introduction to energy management: definitions, benefits, and drivers.
- Overview of energy sources, conversion, and end-use.
- Energy management systems (EnMS) and the ISO 50001 standard.
- Legal and regulatory requirements (e.g., Carbon Tax Act, Energy Efficiency Regulations).
- Energy auditing principles: data collection, analysis, and reporting.
- Key performance indicators (KPIs) for energy performance.
- Introduction to energy efficiency opportunities and technologies.

Day 2: **Advanced Strategies and Implementation of Energy Management**

- Energy management action planning: setting objectives, targets, and action items.
- Financial appraisal of energy projects: simple payback, net present value, internal rate of return.
- Energy monitoring and targeting: data management, benchmarking, and baselines.
- Advanced energy saving opportunities: HVAC, lighting, compressed air, motors, and process heating.
- Integration of renewable energy and demand-side management.
- Behavioural change and stakeholder engagement for energy efficiency.
- Continuous improvement: internal audits, management review, and updating the EnMS.

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	Dubai, UAE
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

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-0474) 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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