



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

Advanced Energy Management Systems

Custom Courses / Energy, Oil and Gas

Unit Standard AATICD-0562 · NQF Level 5 · 4 Credits · 2 Days

COURSE OVERVIEW

This course equips participants with the knowledge and skills to design, implement, and manage advanced energy management systems in line with international standards and South African regulatory requirements. It focuses on optimizing energy performance, reducing costs, and enhancing sustainability within organizations.

Category	Custom Courses
Subfield	Energy, Oil and Gas
Unit Standard	AATICD-0562
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 principles of energy management systems (EnMS) to develop an organizational energy policy and strategy.
- Analyze energy data and conduct energy reviews to identify significant energy uses and improvement opportunities.
- Design and implement energy management action plans, including setting objectives, targets, and performance indicators.
- Evaluate the effectiveness of an EnMS through monitoring, measurement, and internal audits, and drive continuous improvement.
- Demonstrate compliance with relevant legislation, standards (e.g., ISO 50001), and best practices in energy management.

WHO SHOULD ATTEND

- This course is designed for energy managers, facilities managers, engineers, sustainability officers, and operations professionals who are responsible for energy performance and efficiency in their organizations.

COURSE OUTLINE

Day 1: Foundations of Energy Management Systems

- Introduction to energy management and its importance
- Overview of ISO 50001 and other relevant standards
- Energy policy and management commitment
- Energy planning: legal requirements, energy review, baseline
- Energy performance indicators (EnPIs) and measurement
- Roles and responsibilities of an energy management team
- Communication and training for energy awareness

Day 2: Advanced Implementation and Optimization

- Energy action planning and implementation
- Monitoring and targeting (M&T;) techniques
- Statistical analysis of energy data: regression, CUSUM
- Life cycle cost analysis for energy projects
- Energy audits and measurement & verification (M&V;
- Integration of EnMS with ISO 9001, ISO 14001, and ISO 45001
- Continual improvement and management review

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 15,400.00	R 15,400.00
1	On-Campus (Pretoria)	R 17,800.00	R 17,800.00

UPCOMING SESSIONS

Start	End	Method	Venue
15 Sep 2026	16 Sep 2026	On-Campus	London, UK
15 Sep 2026	16 Sep 2026	On-Campus	Dubai, UAE
16 Sep 2026	17 Sep 2026	On-Campus	Victoria Falls, Zimbabwe
17 Sep 2026	18 Sep 2026	In-House	—
17 Sep 2026	18 Sep 2026	On-Campus	Shenzhen, China
21 Sep 2026	22 Sep 2026	On-Campus	Nairobi, Kenya
21 Sep 2026	22 Sep 2026	On-Campus	Bangkok, Thailand
22 Sep 2026	23 Sep 2026	On-Campus	Harare, Zimbabwe

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-0562) 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.

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