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@aaticd.co.za · Website: www.aaticd.co.za

COURSE BROCHURE

Industrial Energy Management

Custom Courses / Energy, Oil and Gas

Unit Standard AATICD-0462 · NQF Level 5 · 4 Credits · 2 Days

COURSE OVERVIEW

This course equips learners with the knowledge and skills to manage industrial energy systems effectively, focusing on energy efficiency, cost reduction, and sustainability. It covers energy auditing, monitoring, and the implementation of energy management strategies in industrial settings.

Category	Custom Courses
Subfield	Energy, Oil and Gas
Unit Standard	AATICD-0462
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 management principles to identify and prioritize energy-saving opportunities.
- Analyze energy consumption data to assess performance and benchmark against industry standards.
- Evaluate the effectiveness of energy management systems and recommend improvements.
- Design an energy management plan that integrates technical, financial, and environmental considerations.
- Implement energy efficiency measures and monitor their impact on operational performance.
- Demonstrate compliance with relevant energy regulations and standards.

WHO SHOULD ATTEND

- This course is designed for energy managers, plant engineers, maintenance supervisors, and operations personnel responsible for energy use in industrial facilities.

COURSE OUTLINE

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

- Overview of energy management: definitions, benefits, and global trends
- Energy sources and conversion: electricity, fossil fuels, and renewables
- Energy consumption patterns in industrial processes
- Energy efficiency legislation and standards (e.g., SANS 50001, NEEA
- Introduction to energy auditing: types, methodology, and tools
- Identifying energy waste and common inefficiencies
- Fundamentals of an Energy Management System (EnMS) and ISO 50001
- Case studies of successful energy management in South African industries

Day 2: **Advanced Strategies and Practical Implementation**

- Advanced energy audit techniques: data analysis and benchmarking
- Energy monitoring and targeting: key performance indicators and baseline establishment
- Energy-efficient technologies: motors, lighting, HVAC, and compressed air
- Renewable energy integration and cogeneration opportunities
- Financial analysis for energy projects: payback, NPV, and IRR
- Behavioural change and employee engagement in energy management
- Integrating energy management with ISO 50001 and other management systems
- Developing an energy management action plan and continuous improvement strategies

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-0462) 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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