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

# Net Zero Energy Management

Custom Courses / Energy, Oil and Gas

Unit Standard AATICD-0534 · NQF Level 5 · 4 Credits · 2 Days

## COURSE OVERVIEW

This course equips participants with the knowledge and practical skills to design, implement, and manage net zero energy strategies within their organisations. It covers energy auditing, renewable energy integration, carbon footprint reduction, and continuous improvement, enabling professionals to lead their organisations towards sustainable energy management and regulatory compliance.

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|---|---|
| Category | Custom Courses |
| Subfield | Energy, Oil and Gas |
| Unit Standard | AATICD-0534 |
| 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 net zero energy principles and frameworks to assess current energy usage and identify reduction opportunities.
- Analyse energy data and conduct energy audits to establish a baseline and set measurable reduction targets.
- Design a comprehensive net zero energy management plan integrating renewable energy sources and efficiency measures.
- Implement energy management systems and practices that align with South African regulations and international standards.
- Evaluate the performance of net zero initiatives using key performance indicators and continuous improvement processes.
- Demonstrate leadership in promoting a culture of energy efficiency and sustainability within the organisation.

## WHO SHOULD ATTEND

- This course is ideal for energy managers, facility managers, sustainability officers, and operations professionals who are responsible for reducing energy consumption and carbon emissions in their organisations.
- It is also suited for consultants and project managers seeking to specialise in net zero energy solutions.

## COURSE OUTLINE

Day 1: **Foundations of Net Zero Energy Management**

- Introduction to net zero energy: definitions, scope, and global context
- South African energy landscape: regulations, carbon tax, and sustainability goals
- Energy efficiency principles: passive design, equipment efficiency, and operational practices
- Overview of renewable energy technologies: solar PV, wind, and biomass
- Energy auditing and benchmarking: methods and tools
- Stakeholder engagement and behaviour change
- Developing a net zero energy roadmap: phases and key considerations

Day 2: **Implementation, Monitoring, and Reporting**

- Energy performance indicators and measurement & verification (M&V;
- Financial analysis: life-cycle costing, payback, and return on investment
- Integration of renewable energy: grid-tied systems, storage, and hybrid solutions
- Smart energy management systems and data analytics
- Carbon footprint assessment and reporting frameworks (e.g., GHG Protocol
- Continuous improvement and auditing for sustained performance
- Case studies of net zero buildings and facilities
- Developing a net zero energy management plan: practical workshop

## 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-0534) 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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