



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

High Mast Lighting Inspection Operation And Maintenance Training

Physical Planning and Construction / Electrical Infrastructure Construction

Unit Standard 113875 · NQF Level 3 · 7 Credits · 4 Days

COURSE OVERVIEW

This course equips learners with the knowledge and practical skills required to safely inspect, operate, and maintain high mast lighting systems. It covers compliance with South African safety regulations, risk assessment, and emergency procedures, ensuring that personnel can manage these critical installations effectively.

Category	Physical Planning and Construction
Subfield	Electrical Infrastructure Construction
Unit Standard	113875
Accreditation	SAQA Accredited · NQF Level 3 · 7 Credits
Duration	4 days
Training Method	Online, On-Campus, In-House
Certificate	Issued via AATICD LMS – verifiable online

LEARNING OUTCOMES

- Apply relevant occupational health and safety regulations to high mast lighting operations.
- Demonstrate the correct procedures for inspecting high mast lighting structures and components.
- Analyze potential hazards and implement appropriate risk control measures.
- Evaluate the condition of electrical and mechanical systems to determine maintenance needs.
- Implement routine and corrective maintenance tasks on high mast lighting systems.
- Design a systematic inspection and maintenance schedule for high mast lighting installations.

WHO SHOULD ATTEND

- This training is intended for electrical technicians, maintenance personnel, and safety officers responsible for the operation and upkeep of high mast lighting in industrial, municipal, or commercial environments.

COURSE OUTLINE

Day 1: Introduction to High Mast Lighting Systems and Safety

- Overview of high mast lighting systems: poles, luminaires, electrical systems
- Relevant legislation: OHS Act, SANS 10142-1, SANS 10019
- Safety requirements: PPE, working at heights, lockout/tagout
- Hazard identification and risk assessment
- Emergency procedures and rescue planning
- Introduction to inspection schedules and maintenance records

Day 2: Inspection Procedures and Techniques

- Visual inspection of poles, foundations, and anchor bolts
- Inspection of luminaires: seals, lenses, reflectors, photocells
- Electrical system checks: wiring, connectors, earth continuity
- Use of inspection tools: multimeters, thermal imaging cameras, torque wrenches
- Documentation: inspection reports, defect logging
- Common defects: corrosion, loose connections, lamp failures, water ingress

Day 3: Operation and Routine Maintenance

- Operating procedures: switching, timers, photocell adjustment
- Routine maintenance: cleaning luminaires, tightening connections
- Lamp replacement: types (LED, HID), handling, disposal
- Component replacement: ballasts, capacitors, photocells
- Maintenance scheduling and logbooks
- Lubrication and corrosion protection

Day 4: Advanced Fault Finding and Practical Integration

- Fault finding methodology: visual, functional, electrical tests
- Common faults: no light, flickering, dimming, short circuits
- Use of diagnostic tools: insulation testers, clamp meters
- Circuit analysis and wiring diagrams
- Integration exercise: full inspection and maintenance cycle
- Review of best practices and continuous improvement

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 **7 NQF credits** at **NQF Level 3**.

PRICING (PER DELEGATE, EX-VAT)

Delegates	Training Method	Price per Delegate	Total
1	Online	R 20,500.00	R 20,500.00
1	In-House	R 26,600.00	R 26,600.00
1	On-Campus (Pretoria)	R 30,800.00	R 30,800.00

UPCOMING SESSIONS

Start	End	Method	Venue
03 Aug 2026	06 Aug 2026	On-Campus	Pretoria, South Africa
03 Aug 2026	06 Aug 2026	On-Campus	Dubai, UAE
03 Aug 2026	06 Aug 2026	On-Campus	Cape Town, South Africa
03 Aug 2026	06 Aug 2026	On-Campus	Mauritius
03 Aug 2026	06 Aug 2026	On-Campus	Johannesburg, South Africa
03 Aug 2026	06 Aug 2026	On-Campus	Lagos, Nigeria
11 Aug 2026	14 Aug 2026	On-Campus	Mauritius
11 Aug 2026	14 Aug 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 QUOTE OR APPLY

- 1. Get an instant quotation online:** visit www.aaticd.co.za, open the page for this course (Unit Standard 113875) 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