



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

COURSE BROCHURE

Industrial LPG Installation

Custom Courses / Liquefied Petroleum Gas

Unit Standard AATICD-0356 · NQF Level 5 · 10 Credits · 5 Days

COURSE OVERVIEW

This course equips learners with the comprehensive skills and knowledge required to safely install, commission, and maintain industrial LPG systems. It covers regulatory compliance, risk assessment, and best practices to ensure safe and efficient LPG usage in industrial settings.

Category	Custom Courses
Subfield	Liquefied Petroleum Gas
Unit Standard	AATICD-0356
Accreditation	SAQA Accredited · NQF Level 5 · 10 Credits
Duration	5 days
Training Method	Online, On-Campus, In-House
Certificate	Issued via AATICD LMS – verifiable online

LEARNING OUTCOMES

- Apply relevant legislation, standards, and codes of practice to industrial LPG installations.
- Analyze site-specific risks and implement appropriate safety measures during installation.
- Design and plan LPG piping systems, including pipe sizing, material selection, and layout.
- Demonstrate correct procedures for installing LPG storage vessels, regulators, and safety devices.
- Implement testing and commissioning procedures to ensure system integrity and functionality.
- Evaluate and document installation compliance with safety and regulatory requirements.

WHO SHOULD ATTEND

- This course is designed for technicians, engineers, and safety officers involved in the installation, maintenance, or inspection of industrial LPG systems.
- It is also suitable for individuals seeking to enter the LPG industry with a focus on safety and compliance.

COURSE OUTLINE

Day 1: Introduction to LPG and Regulatory Framework

- Overview of LPG: composition, characteristics, and applications.
- Legislation and standards: SANS 10087, OHS Act, Pressure Equipment Regulations.
- Roles and responsibilities: installer, user, and authorities.
- Introduction to risk assessment and safety management.
- Emergency procedures and incident reporting.

Day 2: LPG System Design and Components

- System types: bulk, cylinder, and manifold systems.
- Storage vessels: cylinders, tanks, and their features.
- Piping and fittings: materials, sizing, and installation requirements.
- Regulators, valves, and safety devices.
- Appliance connections and ventilation requirements.
- Design considerations: location, capacity, and safety clearances.

Day 3: Installation Procedures and Safety Practices

- Step-by-step installation procedures for various systems.
- Safe handling and storage of LPG cylinders.
- Pressure testing methods and criteria.
- Leak detection techniques and tools.
- Personal protective equipment (PPE) and safe work permits.
- Fire prevention and control measures.

Day 4: Commissioning, Testing, and Maintenance

- Commissioning procedures: purging, pressure testing, and final checks.
- Inspection schedules and checklists.
- Maintenance requirements for regulators, valves, and appliances.
- Troubleshooting common issues: leaks, pressure fluctuations, appliance faults.
- Record keeping and reporting standards.

Day 5: Advanced Applications and Integrated Project

- Advanced design considerations for large or complex systems.
- Integration of LPG systems with other utilities.
- Case studies of typical industrial installations.
- Review of common non-conformities and best practices.
- Final assessment and course wrap-up.

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 **10 NQF credits** at **NQF Level 5**.

PRICING (PER DELEGATE, EX-VAT)

Delegates	Training Method	Price per Delegate	Total
1	Online	R 17,700.00	R 17,700.00
1	In-House	R 23,100.00	R 23,100.00
1	On-Campus (Pretoria)	R 26,700.00	R 26,700.00

UPCOMING SESSIONS

Start	End	Method	Venue
05 Oct 2026	09 Oct 2026	On-Campus	Kigali, Rwanda
05 Oct 2026	09 Oct 2026	On-Campus	Bangkok, Thailand
05 Oct 2026	09 Oct 2026	On-Campus	Lusaka, Zambia
05 Oct 2026	09 Oct 2026	Online	—
05 Oct 2026	09 Oct 2026	On-Campus	Windhoek, Namibia
05 Oct 2026	09 Oct 2026	On-Campus	Nairobi, Kenya
05 Oct 2026	09 Oct 2026	On-Campus	Mbabane, Eswatini
12 Oct 2026	16 Oct 2026	On-Campus	London, UK

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-0356) 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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