



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

Platinum Group Metals Recovery From Waste Organic Solvent Training

Manufacturing, Engineering and Technology / Fabrication and Extraction

Unit Standard 110126 · NQF Level 2 · 3 Credits · 1 Day

COURSE OVERVIEW

This course equips learners with the knowledge and skills to safely and efficiently recover platinum group metals from waste organic solvents generated in industrial processes. It covers the principles of solvent extraction, precipitation, and refining techniques specific to PGMs, emphasizing environmental compliance and waste minimization. Learners will gain hands-on ability to set up recovery systems, monitor process parameters, and handle hazardous materials according to South African regulations.

Category	Manufacturing, Engineering and Technology
Subfield	Fabrication and Extraction
Unit Standard	110126
Accreditation	SAQA Accredited · NQF Level 2 · 3 Credits
Duration	1 day
Training Method	Online, On-Campus, In-House
Certificate	Issued via AATICD LMS – verifiable online

LEARNING OUTCOMES

- Apply safe handling procedures for waste organic solvents containing PGMs in compliance with OHS Act and relevant SANS codes.
- Analyze the chemical composition of waste solvent streams to determine PGM content and select appropriate recovery methods.
- Evaluate process parameters such as pH, temperature, and reagent concentrations to optimize PGM recovery efficiency.
- Implement solvent extraction, precipitation, and filtration techniques to recover PGMs from organic solvent waste.
- Demonstrate correct use of personal protective equipment (PPE) and emergency response protocols for solvent-related incidents.
- Design a basic PGM recovery process flow diagram, including waste segregation, recovery stages, and waste disposal methods.

WHO SHOULD ATTEND

- This training is designed for process operators, laboratory technicians, and environmental health and safety officers working in precious metal refining, chemical processing, or waste management industries.
- It is also suitable for supervisors and managers responsible for PGM recovery operations.

COURSE OUTLINE

Day 1: Fundamentals of PGM Recovery from Waste Organic Solvents

- Introduction to PGMs and their industrial importance
- Sources of waste organic solvents containing PGMs
- Overview of recovery methods: solvent extraction, precipitation, and ion exchange
- Process flow diagrams and equipment used in recovery
- Safety hazards: flammable solvents, toxic reagents, and high-temperature operations
- Regulatory compliance: SHEQ requirements and waste management legislation
- Quality control: sampling, assaying, and purity testing
- Troubleshooting common issues: low yield, contamination, and equipment fouling

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 **3 NQF credits** at **NQF Level 2**.

PRICING (PER DELEGATE, EX-VAT)

Delegates	Training Method	Price per Delegate	Total
1	Online	R 12,800.00	R 12,800.00
1	In-House	R 16,600.00	R 16,600.00
1	On-Campus (Pretoria)	R 19,200.00	R 19,200.00

UPCOMING SESSIONS

Start	End	Method	Venue
03 Aug 2026	03 Aug 2026	On-Campus	Cape Town, South Africa
04 Aug 2026	04 Aug 2026	On-Campus	Dubai, UAE
05 Aug 2026	05 Aug 2026	On-Campus	Pretoria, South Africa
05 Aug 2026	05 Aug 2026	On-Campus	Lagos, Nigeria
06 Aug 2026	06 Aug 2026	On-Campus	Johannesburg, South Africa
07 Aug 2026	07 Aug 2026	On-Campus	Mauritius
10 Aug 2026	10 Aug 2026	On-Campus	Dubai, UAE
11 Aug 2026	11 Aug 2026	On-Campus	Pretoria, 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 110126) 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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