



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

Belt Filter Reclothing Maintenance Procedures Training

Manufacturing, Engineering and Technology / Fabrication and Extraction

Unit Standard 110114 · NQF Level 2 · 7 Credits · 4 Days

COURSE OVERVIEW

This course equips learners with the comprehensive knowledge and practical skills required to safely and effectively perform belt filter reclothing maintenance. Participants will understand the critical procedures, safety protocols, and quality standards necessary to ensure optimal filter performance and longevity in mining and industrial operations.

Category	Manufacturing, Engineering and Technology
Subfield	Fabrication and Extraction
Unit Standard	110114
Accreditation	SAQA Accredited · NQF Level 2 · 7 Credits
Duration	4 days
Training Method	Online, On-Campus, In-House
Certificate	Issued via AATICD LMS – verifiable online

LEARNING OUTCOMES

- Demonstrate the correct procedures for isolating and locking out belt filter systems before commencing reclothing.
- Apply systematic techniques to remove and dispose of worn filter cloth, ensuring minimal downtime and adherence to environmental standards.
- Install new filter cloth accurately, including tensioning, tracking, and sealing to manufacturer specifications.
- Inspect and test the reclothed belt filter for operational integrity and performance, identifying any faults or misalignments.
- Evaluate common reclothing issues and implement corrective actions to prevent recurrence.
- Document maintenance activities and report any deviations from standard procedures.

WHO SHOULD ATTEND

- This course is designed for maintenance technicians, process operators, and engineering personnel responsible for the operation, maintenance, and supervision of belt filter systems in mineral processing and wastewater treatment plants.

COURSE OUTLINE

Day 1: Introduction to Belt Filter Systems and Safety

- Overview of belt filter systems: components, operation, and applications.
- Safety protocols: lock-out/tag-out, confined space entry, and PPE.
- Principles of dewatering and belt filtration.
- Filter cloth materials: woven, non-woven, and mesh types.
- Factors affecting cloth selection: slurry characteristics, pH, temperature.
- Introduction to reclothing: when and why it is needed.
- Maintenance planning: schedules, checklists, and logbooks.

Day 2: Inspection and Diagnostics of Filter Cloth

- Inspection procedures: visual, tactile, and measurement techniques.
- Common cloth defects: tears, blinding, creasing, edge wear.
- Diagnostic tools: tension gauges, permeability testers, cameras.
- Performance indicators: filtrate clarity, cake moisture, throughput.
- Decision criteria for reclothing: when to replace vs. repair.
- Reporting and record-keeping for maintenance history.

Day 3: Reclothing Procedures and Techniques

- Pre-reclothing steps: isolation, cleaning, and component inspection.
- Removal techniques: cutting, unclipping, and handling of old cloth.
- Installation methods: manual and mechanical tensioning.
- Alignment and tracking adjustments: rollers, guides, and crowning.
- Seaming and joining: welding, gluing, or clipping methods.
- Post-installation checks: tension, tracking, and leak tests.
- Start-up sequence: gradual loading and performance monitoring.

Day 4: Troubleshooting, Optimization, and Best Practices

- Troubleshooting guide: tracking problems, uneven wear, blinding.
- Optimization methods: adjusting tension, wash systems, and chemicals.
- Preventive maintenance: regular inspections, cleaning, and lubrication.
- Best practices for storage and handling of filter cloth rolls.
- Case studies: common failures and corrective actions.
- Review of documentation: maintenance logs, inspection reports.
- Simulated reclothing exercise: planning, execution, and review.

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 2**.

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	Cape Town, South Africa
03 Aug 2026	06 Aug 2026	On-Campus	Johannesburg, South Africa
04 Aug 2026	07 Aug 2026	On-Campus	Dubai, UAE
04 Aug 2026	07 Aug 2026	On-Campus	Mauritius
04 Aug 2026	07 Aug 2026	On-Campus	Lagos, Nigeria
10 Aug 2026	13 Aug 2026	On-Campus	Mauritius
10 Aug 2026	13 Aug 2026	On-Campus	Dubai, UAE

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 110114) 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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