Asbestos Neutralizer: The End of the Silent Killer

The world's first permanent, in-situ chemical destruction technology for hazardous asbestos.

AN-Series Technology:
Cheaper. Faster. Permanent.

A Global Crisis Hiding in Plain Sight

Asbestos is not history; it is a ticking time bomb embedded in global infrastructure. Aging buildings from the 1950s–1970s are deteriorating, making fibers friable and increasingly dangerous. The health consequences are fatal, and financial liability is escalating.

Global Health Impact

107,000 annual deaths (WHO)

Mesothelioma and lung cancer rates remain critical.

The Scale

30 million structures in the US

500,000 commercial buildings in the UK

Financial Liability

$75 billion abatement market (USA)

£5 billion annual management cost (UK)

Litigation

$30 billion+

in Mesothelioma lawsuits to date

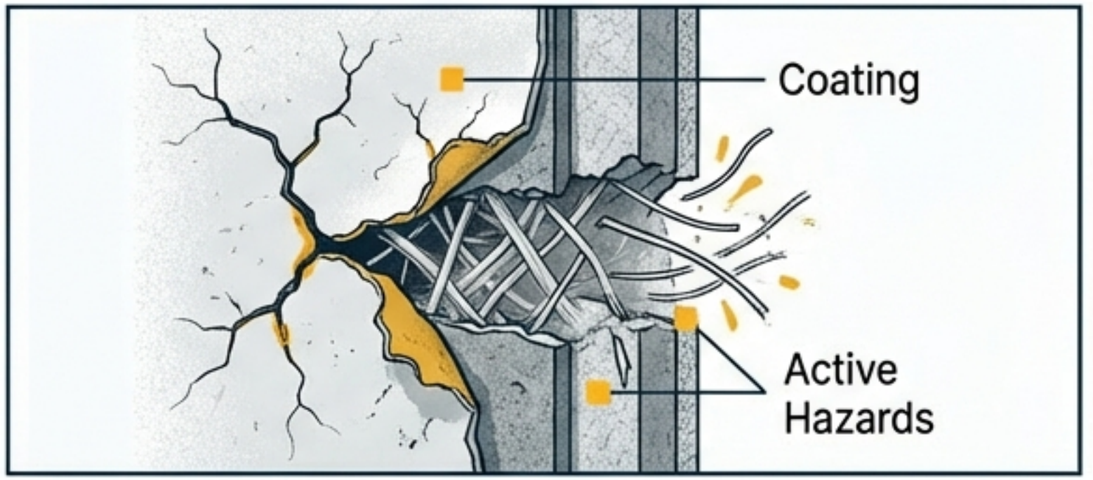
The Failure of Traditional Methods

For decades, property owners have been forced to choose between two flawed options.

Option A: Physical Removal

- **Cost:** Prohibitively expensive ($30–80/m²)
- **Risk:** High fibre release during agitation; dangerous for workers
- **Disruption:** Weeks of downtime and building closure
- **Waste:** Generates massive amounts of toxic landfill

Option B: Encapsulation



- **Reality:** A 'Band-Aid' solution
- **Permanence:** Temporary coating only; requires reapplication every 7–10 years
- **Risk:** The hazard remains beneath the coating
- **Burden:** Requires ongoing monitoring and eventual removal

Takeaway: Neither method eliminates the hazard efficiently.

The Third Way: True Chemical Neutralisation

Introducing Asbestos Neutralizer (AN-Series)

Definition:

A revolutionary two-part system that chemically digests asbestos fibres in-situ, breaking down their crystalline structure and converting them into harmless, non-fibrous minerals.

Checklist of Differentiators

- ✓ **Permanent:** Destroys the fibre structure completely.
- ✓ **Safe:** Treated material passes TCLP testing (Non-hazardous waste).
- ✓ **Universal:** Effective on Chrysotile (White), Amosite (Brown), and Crocidolite (Blue) asbestos.
- ✓ **Integrity:** Treated materials retain 85–95% of their original strength.

The Science of Destruction

A proprietary multi-stage chemical reaction breaks down the asbestos structure at a molecular level.

1. Attack (Part A)

Alkaline solution (pH **11-13**) penetrates up to **25mm**, attacking silicate bonds.

2. Neutralise (Part B)

Acidic reaction (pH **2-4**) disrupts the crystal lattice structure.

3. Result

Fibrous crystalline asbestos transforms into amorphous non-respirable silicate.

Technical Verification

- **Efficiency:** **>99.5%** fibre conversion
- **Curing Time:** 24–72 hours
- **Verification:** <0.01 fibres/cm³ (Far below OSHA PEL of **0.1**)
- **Outcome:** Material is chemically altered. It is no longer asbestos.

Takeaway: The process yields a chemically safe, non-hazardous material.

Unrivalled Competitive Advantage

Method	Cost Efficiency	Downtime	Permanence	Waste Generation	Safety Risk
Traditional Removal	🔴 $30-80/m²	🔴 Weeks	🟢 Permanent	🔴 Massive	🔴 High
Encapsulation	🟡 $8-15/m²	🟢 Days	🔴 Temporary 5-10 yrs	🟡 Future Waste	🟡 Medium
Asbestos Neutralizer	🟢 $15-30/m²	🟢 2-3 Days	🟢 Permanent	🟢 Zero Waste	🟢 Low

Key Insight: 60–80% Cheaper than removal. Permanent unlike encapsulation.

Validated in the Field: Education Sector

Primary School, Cape Town | 550m² Chrysotile Ceiling Tiles

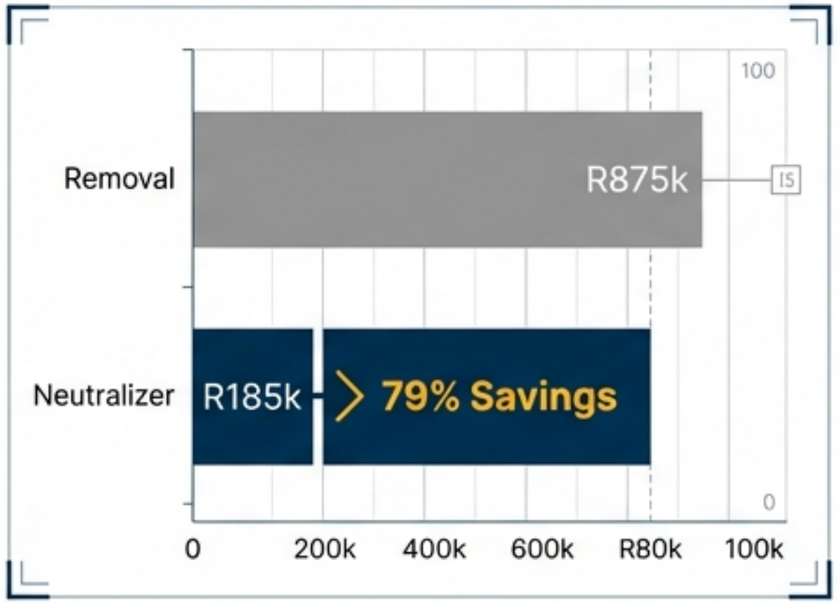
The Challenge:

The school faced immediate closure due to hazardous ceiling tiles. Traditional removal was quoted at R875,000 with a 4-week timeline.

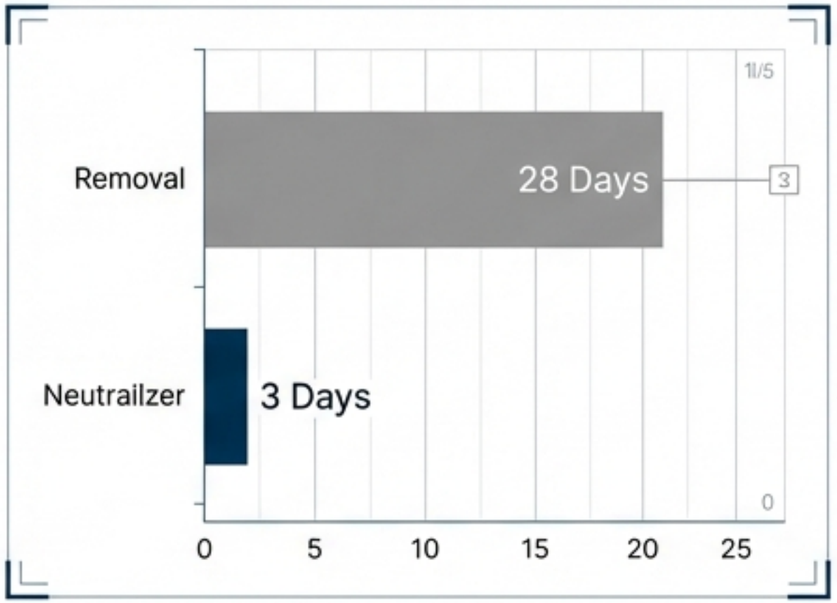
The Solution:

In-situ application of Asbestos Neutralizer over a single weekend.

Project Cost (ZAR)



Time to Reopen



Safety Outcome:

Fibre counts reduced from 1,200/cm³ to <0.01 (Undetectable). Approved by Occupational Health Inspector for immediate reopening.

Industrial Efficiency & Heritage Preservation

Case Study A: Industrial Manufacturing (Gauteng)

Problem: Deteriorating Amosite pipe insulation (380 linear metres).

> **Constraint:** Cannot afford 3-week shutdown for removal.
>
> **Result: Treated in 72 hours with NO facility shutdown.**

Financial Impact: **Saved R3.475M** (Removal cost + R2.1M in avoided production losses).

Case Study B: Historic Government Building (Pretoria)

Problem: 1940s decorative acoustic plaster could not be removed without destroying architecture.

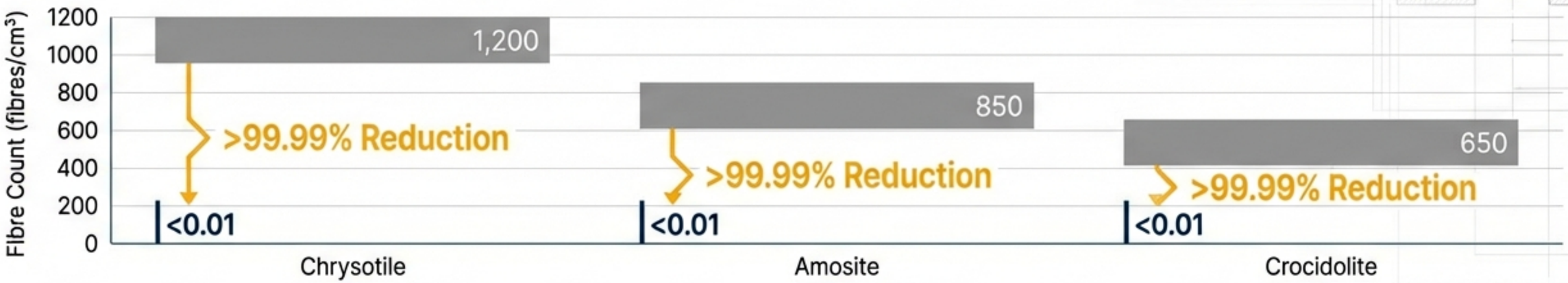
Result: 100% preservation of historic features. Fibre counts reduced to zero.

Cost: **R320k** vs R1.5M reconstruction.

Certified Laboratory Validation

Verified by CSIR, University of Cape Town, and independent international labs.

Dramatic Reduction in Fibre Counts



Safety & Compliance Data

TCLP Testing

Passes Toxicity Characteristic Leaching Procedure. Classified Non-hazardous.

Stability

5-year exposure study confirms no fibre regeneration.

Toxicity

LD50 >2,000 mg/kg (Low toxicity when cured).

Approvals

Approved method by SA Dept of Employment and Labour.

Intellectual Property & Regulatory Pathway

Company Pedigree

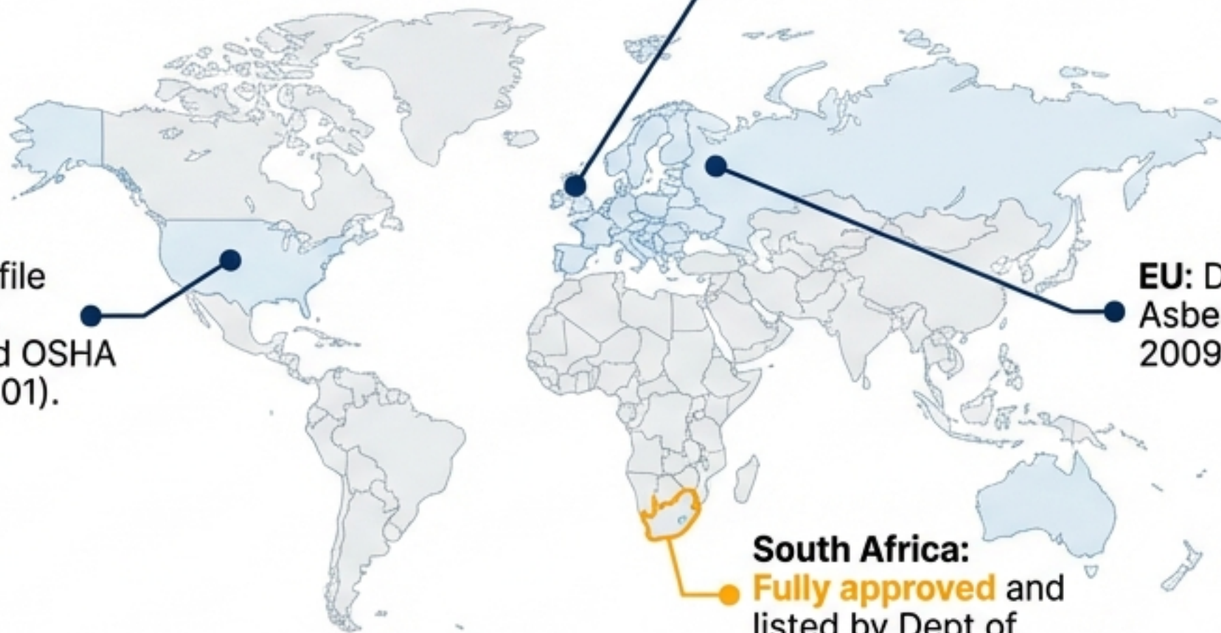
Tasmania Limited (Est. 2001)

25 years of environmental innovation led by CEO John Webster.

Intellectual Property

- **Patents Pending:** South Africa, USA, EU, Australia
- **Trade Secret:** Proprietary formulation developed over 7 years of R&D

Regulatory Status by Region



UK: Technical dossier under review by HSE; compliance pathway established.

USA: Technical file with EPA (TSCA compliance) and OSHA (29 CFR 1926.1101).

EU: Documentation for Asbestos Directive 2009/148/EC.

South Africa: **Fully approved** and listed by Dept of Employment and Labour.

The $80 Billion Global Opportunity

Market Map

$80 Billion Global Abatement Market

United States: $75 Billion

35,000+ schools,
Federal buildings

United Kingdom: £5 Billion/year

Mandatory surveys for non-domestic premises

Global Drivers

- Strict liability laws
- Insurance pressure
- Degradation of mid-century materials

Target Segments

- Commercial Real Estate
- Industrial & Mining
- Government & Public Sector
- Residential

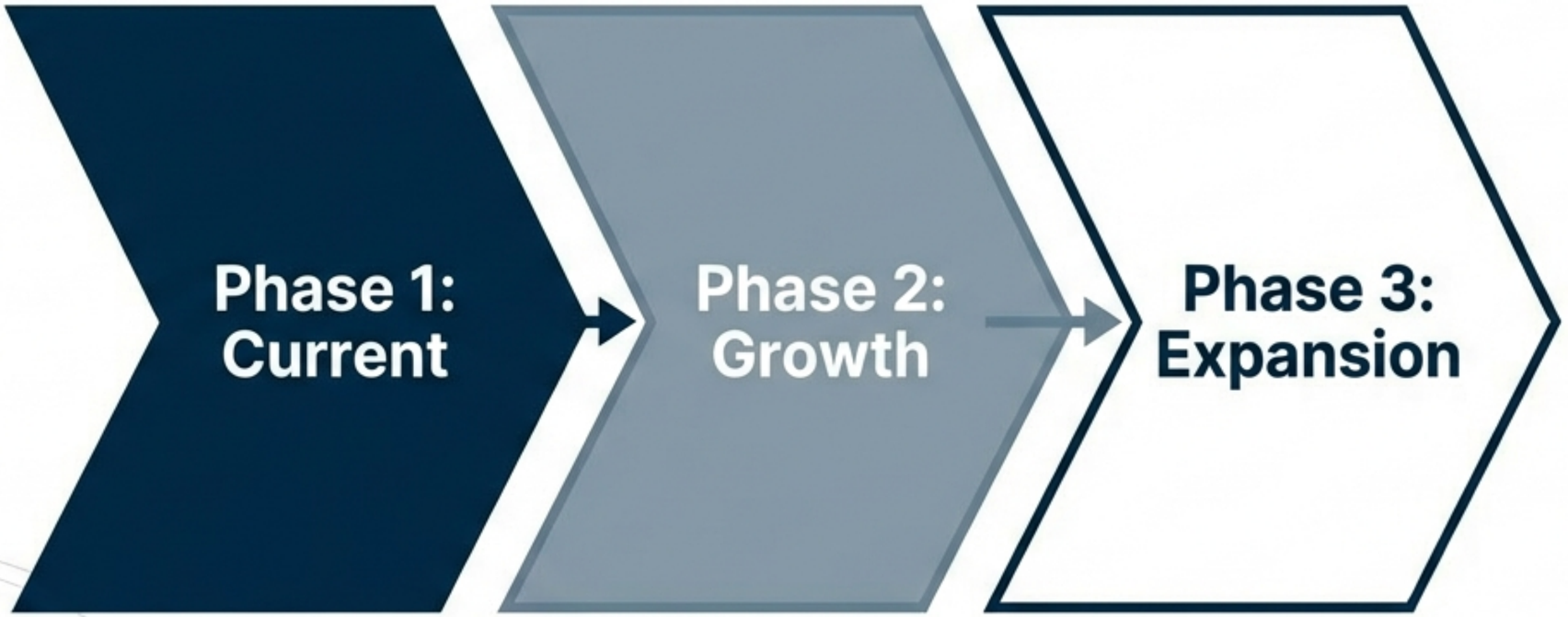
Business Model & Unit Economics

Product Sales	Licensed Applicators	Turnkey Services
• Recurring revenue from direct sales to contractors. • Price: **$35-55/litre** • Margin: **60–70% Gross Margin**	• Training and certifying network partners globally. • Scalable distribution with low capital intensity.	• High-value execution for complex industrial projects.

Financial Profile

- Low COGS **(~30% of selling price)**
- Pricing Power: Premium margins while still undercutting removal by **>50%.**

Strategic Roadmap to Scale



- Regulatory finalisation (EPA/HSE)
- Establishing US/UK market entry teams

- Launch Certified Applicator Networks
- Setup local manufacturing hubs in US/UK

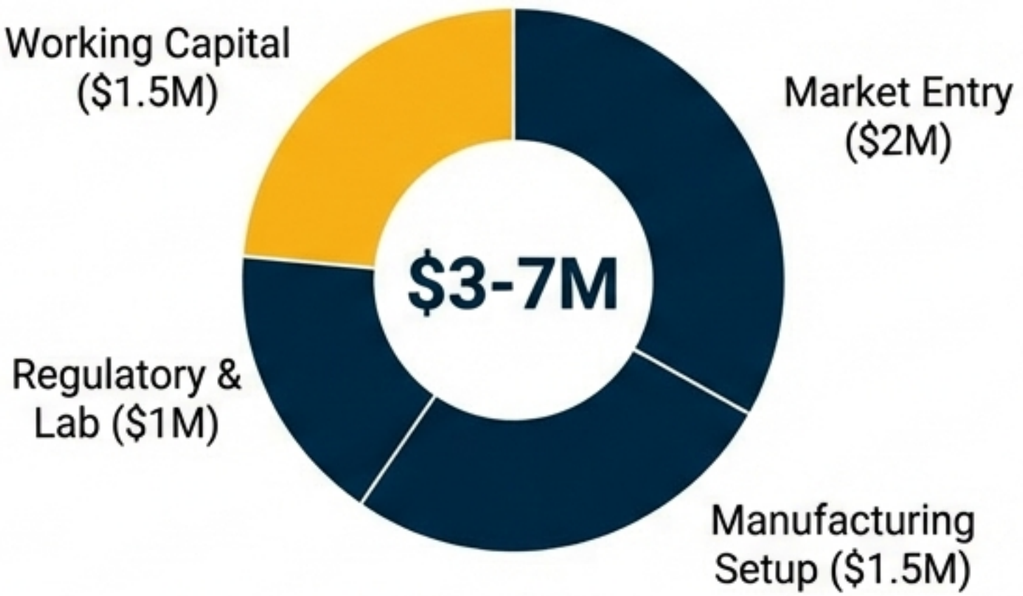
- Global licensing
- Dominance in emerging markets

Exit Strategy

Acquisition target for waste management giants (e.g., Veolia, Clean Harbors) or Chemical multinationals seeking ESG assets.

Investment Opportunity

Seeking $3–7 Million Strategic Investment

Use of Funds	Projected Returns
	• Projected Revenue (Year 5): **$50–100 Million** • Potential Valuation: **$200–400 Million** (Year 5) • Break-even: **18–30 months**

Join the Revolution in Safety

The only asbestos treatment that permanently eliminates the hazard at a fraction of the cost.

Leadership

John Webster, CEO

25+ years experience, developer of 6 proprietary environmental technologies.

Contact

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Permanent Safety. Massive Savings. Game-Changing Technology.