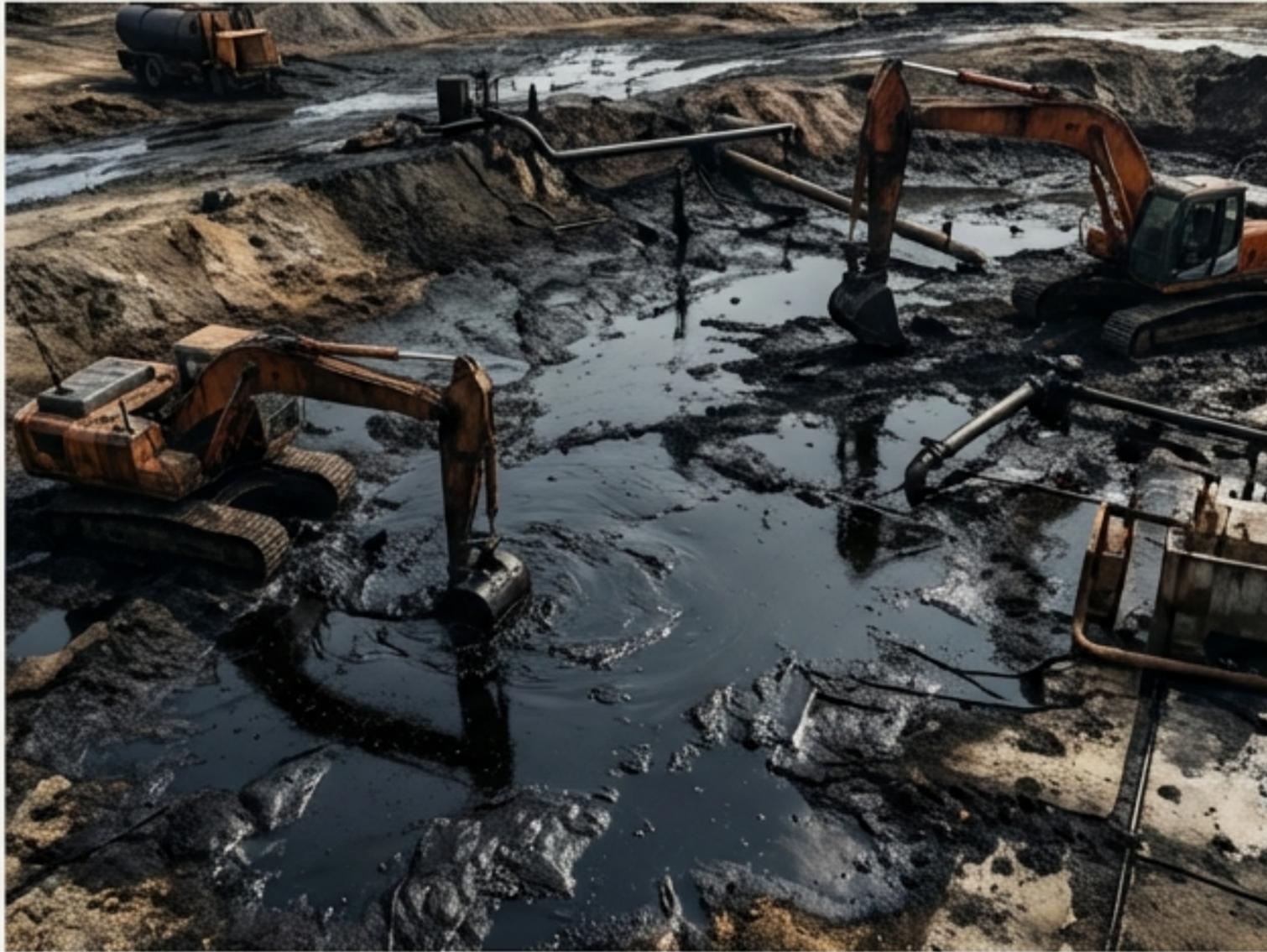




C-CLENZ: The Biological Revolution in Hydrocarbon Cleanup.

Advanced Bioremediation Technology from
Tasmania Environmental Solutions

The Global Hydrocarbon Crisis is a Financial Haemorrhage



\$75 Billion

Spent annually on cleanup in the USA alone.

30 Million

Contaminated sites worldwide.

Regulatory Pressure

Increasing fines from EPA (USA) & Environment Agency (UK).

Pollution is no longer just an environmental liability; it is a balance sheet disaster. With strict remediation requirements and heavy fines for non-compliance, the industry is bleeding capital on inefficient solutions.

Traditional Remediation: Expensive, Disruptive, and Ineffective

Excessive Cost



Excavation costs \$200-\$500 per cubic metre. Burdensome labour and transport fees make small spills financially crippling.

Operational Disruption



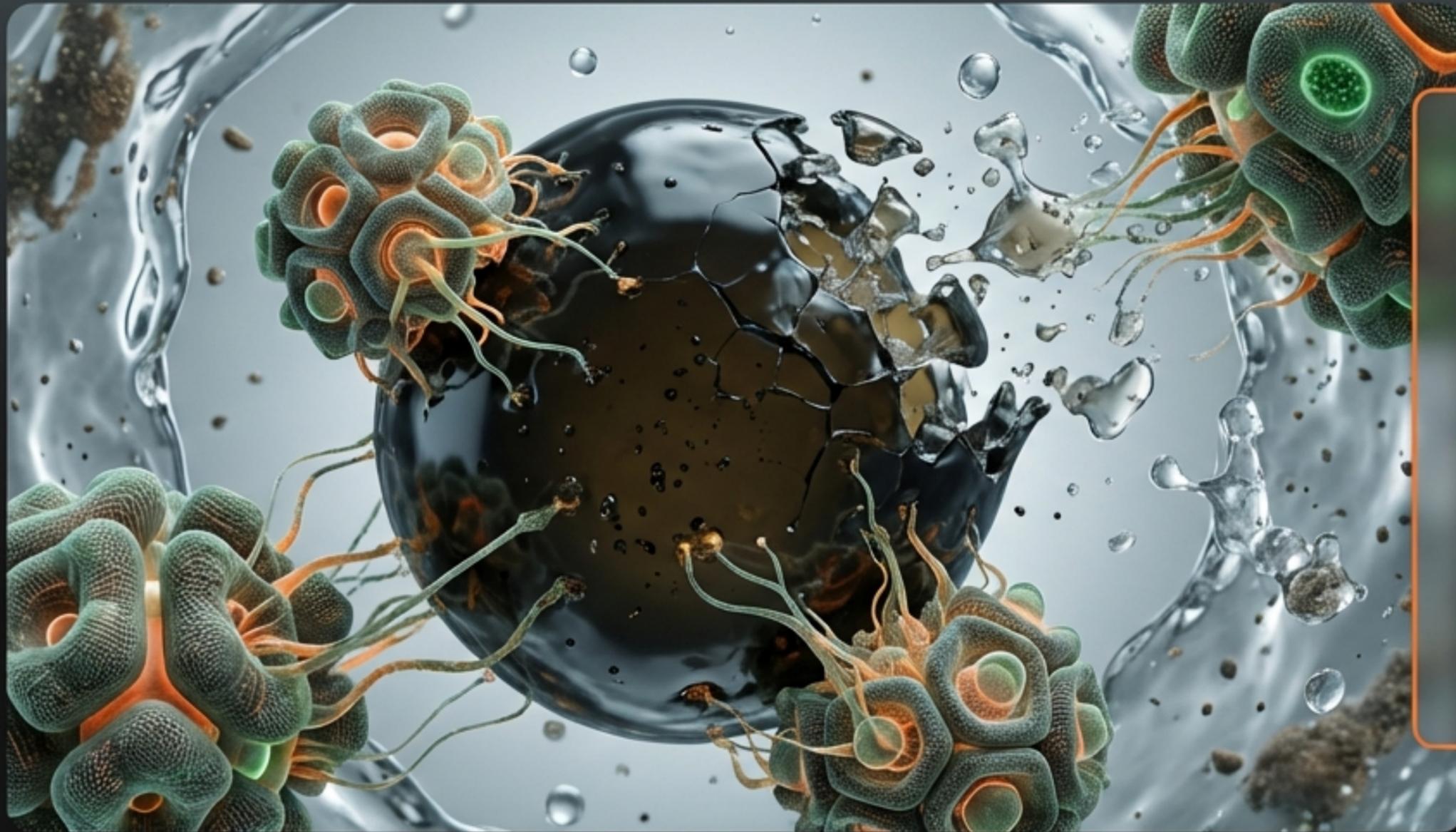
Weeks or months of downtime. Operations must halt to allow heavy machinery to physically remove soil.

False Solution



'Dig and Dump' simply moves toxic waste to a landfill. It shifts the liability rather than solving the problem, adding a high carbon footprint.

Intelligent Bioremediation

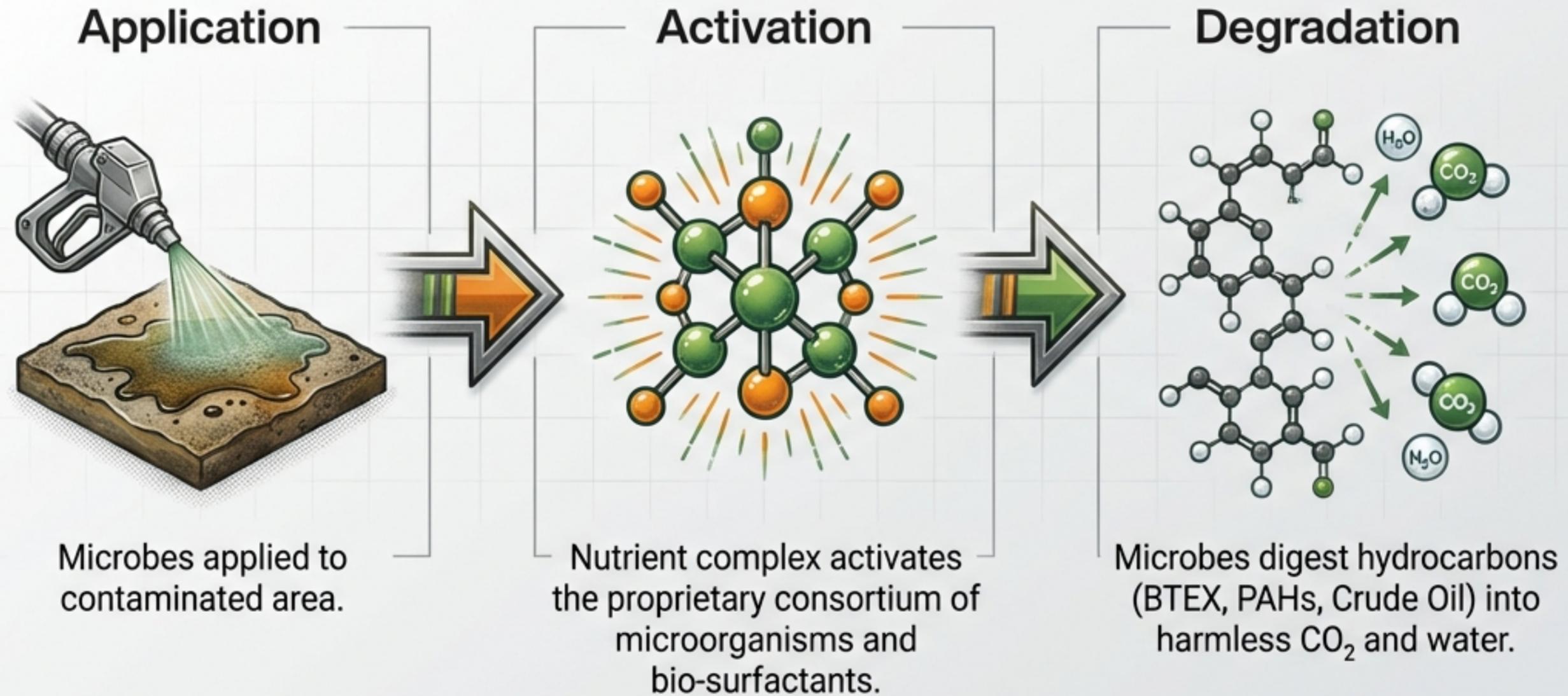


Trifecta™ Value Proposition

- ✓ **90–95% Contaminant Reduction**
Breaks down hydrocarbons into CO₂ and Water.
- ✓ **40–60% Cost Savings**
Drastically cheaper than physical excavation.
- ✓ **Non-Toxic & Biodegradable**
Safe for marine and soil application.

Proprietary bioaugmentation technology accelerates natural biodegradation.
We don't move the oil; we eat it.

The Science: How C-Clenz Dismantles Hydrocarbons



Technical Specifications

- pH Range: 6.5–8.5
- Specific Gravity: ~1.0
- Target Contaminants: Crude oil, Diesel, Gasoline, Jet fuel, PAHs.

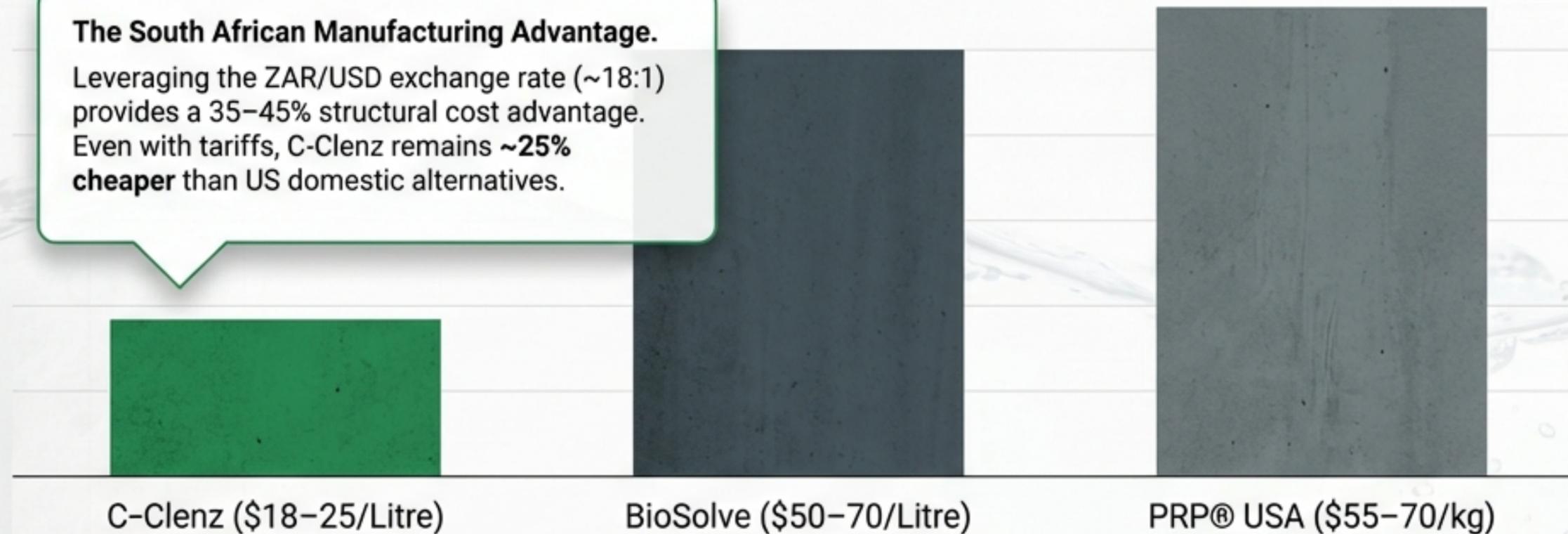
Key Differentiator: Uses a proprietary consortium of strains custom-selected for heavy fuel oils that enzyme-only products cannot touch.

The Structural Economic Advantage

Cost per Unit Comparison

The South African Manufacturing Advantage.

Leveraging the ZAR/USD exchange rate (~18:1) provides a 35–45% structural cost advantage. Even with tariffs, C-Clenz remains ~25% cheaper than US domestic alternatives.



Performance Metrics

First row	Speed: 6–10 weeks (C-Clenz) vs 12–16 weeks (Competitors)
Roboto fonts	Degradation Rate: 200–600 mg/kg/week (2x faster than standard)

Proven Efficacy: Industrial Manufacturing Restoration



Before
Helvetica Now Display Bold



After
Helvetica Now Display Bold

KwaZulu-Natal Case Study

- **Problem:** 15 years of accumulated diesel and motor oil.
- **Initial TPH** (Total Petroleum Hydrocarbons): 8,500 mg/kg.
- **The Solution:** C-Clenz applied at 3 L/m³, turned weekly.
- **The Result:** TPH reduced to 450 mg/kg (95% reduction) in just 8 weeks.
- **Financial Impact:** 60% cost savings compared to excavation quotes.

Versatility Across Ecosystems: Marine & Agricultural

Marine



Case Study: Indian Ocean Spill

Contaminant: 2,000 litres bunker fuel.

Result: 85% visible oil removed in 2 weeks.
Marine life returned.

Agricultural



Case Study: Free State Farmland

Contaminant: Diesel spill on soil.

Result: Soil restored for crops in 10 weeks.
Cost: R45,000 (C-Clenz) vs R280,000 (Excavation).

Lab Verification & Safety Certifications



Roboto Regular



Quality Management



Environmental Management



U.S. Environmental Protection Agency

Toxicity Profile:

LD50 >5,000 mg/kg.

Practically non-toxic to humans and animals.

Biodegradability:

>95% in 28 days.

Readily biodegradable.

Regulatory Compliance:

Listed on EPA National Contingency Plan.

Compliant with UK Environmental Protection Act 1990.

Performance verified via ASTM D5864.

Business Model & Scalability



Direct Sales



Licensing



Gov Contracts

Financial Highlights

Gross Margins: **55–70%**

ROI Timeline: **Break-even** projected in **18–24 months**

Revenue Potential: **\$50–150M** run-rate potential.

Operational Highlights

Scalable Manufacturing: No complex production infrastructure required.

IP Protection: Proprietary formulations and trade secrets.

Leadership & Heritage



The Track Record

- ✓ **Founded:** May 2001 (25 Years in business).
- ⚙️ **CEO:** John Webster – 25+ years experience, developer of 6 proprietary technologies.
- ⚙️ **Field Experience:** 40+ successful field deployments globally.

“A quarter-century of environmental expertise, refined in the harsh conditions of the African continent, ready for global export.”

Partnership & Investment Opportunity

We Are Seeking



- **Distribution Partners**
(Exclusive territories)



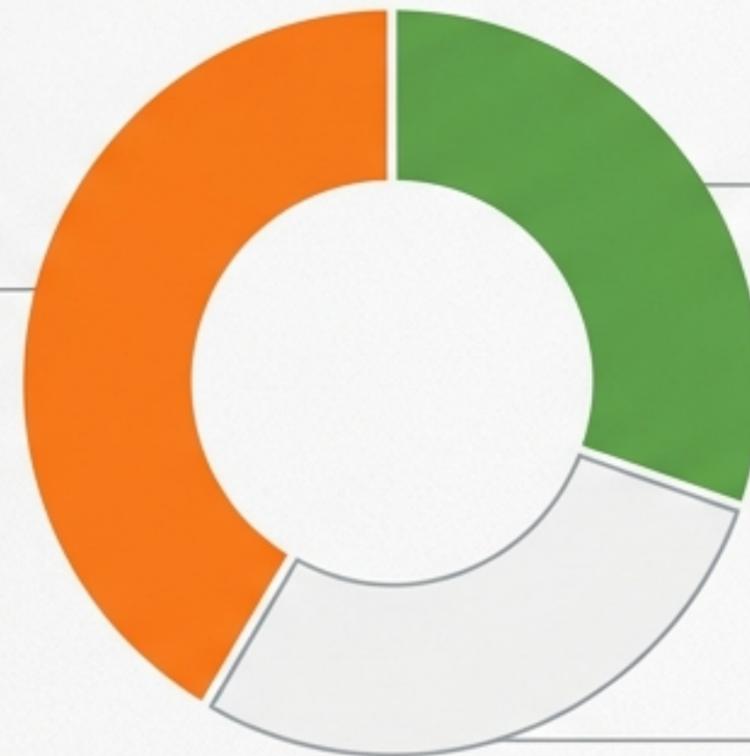
- **Joint Ventures**
(Local manufacturing)



- **Seed Capital**
(\$2–5 Million)

Use of Funds

US/UK Market Entry: Sales infrastructure



Regulatory Approvals:
Finalising EPA & State-specific submissions



Production Scaling:
Expanding capacity to meet global demand

Clean Technology. Clean Profit. Clean Planet.

Join us in turning environmental liabilities into assets.

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