



Feed the Soil. Eradicate Hydrocarbons. 5-10 Days.

S-Oil Purge: Advanced Soil
Bio-Remediation Technology

**Proven to remove
hydrocarbons in days,
not months.**

The industry has accepted 'months' as the standard timeline.

Soil contamination from service stations, pipelines, and industrial spills is a massive global liability. Traditional solutions force operators to choose between two bad options:

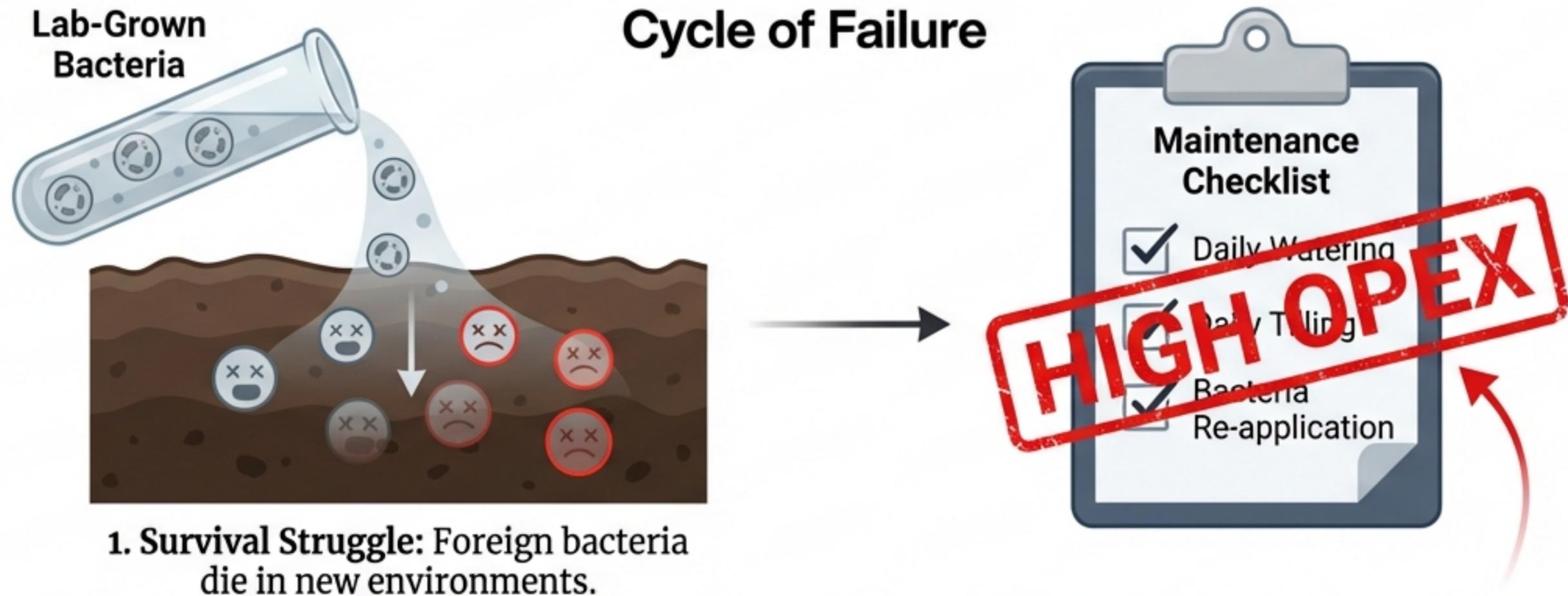
- Excavation: Fast (2-8 weeks) but destructively expensive and creates hazardous waste transport issues.
- Traditional Bacterial Remediation: Cheaper but painfully slow (1-6 months), unreliable, and labour-intensive.



Why introducing foreign bacteria is a flawed strategy.

Most bioremediation products rely on “Bioaugmentation”—introducing lab-grown bacteria into a foreign ecosystem. This approach has three critical failure points:

1. **Survival Struggle:** Foreign bacteria often die when introduced to new soil environments and local competition.
2. **High Maintenance:** Requires daily watering and tilling to keep the introduced bacteria alive.
3. **Unpredictable Results:** If the bacteria die, the remediation stops.



Don't replace the workforce. Feed the indigenous ecosystem.

Biostimulation over Bioaugmentation

Every soil sample already contains millions of micro-organisms adapted to that specific environment. They are the most capable workforce for remediation, but they lack the specific energy source to tackle hydrocarbons efficiently.



S-Oil Purge: The world's fastest soil remediation technology.

Speed: 5-10 Day
Treatment Time (Proven)

Capacity: Treats 1,250 tons
of contaminated soil per day

Form: Liquid concentrate
for spray-on application

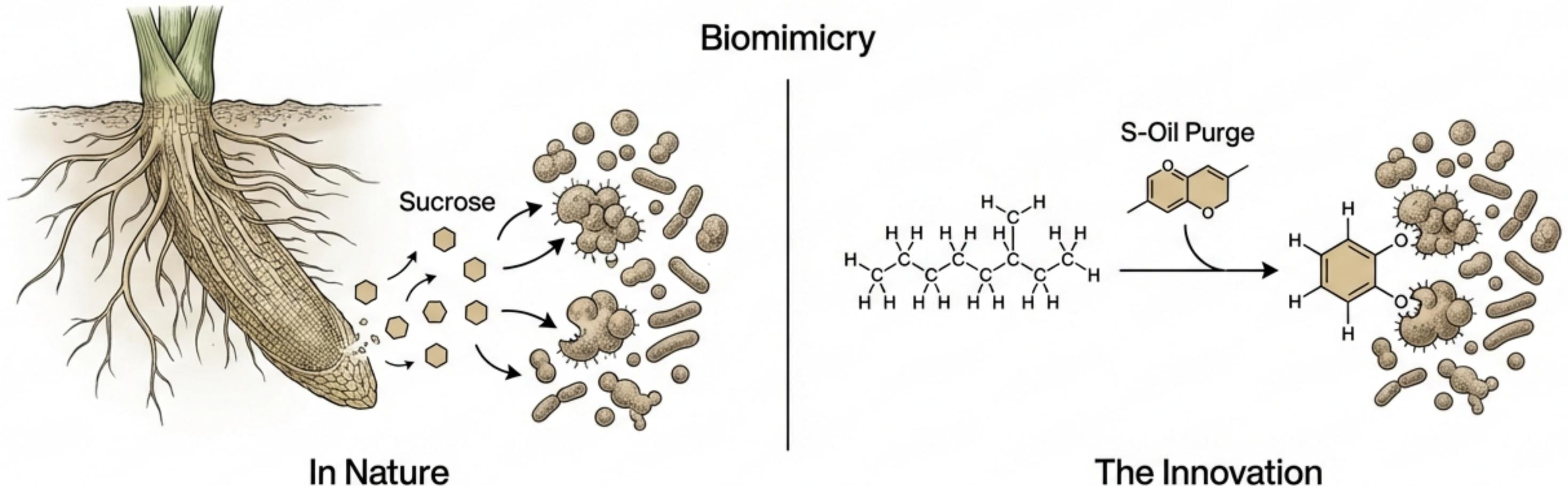
Composition: NO bacteria.
Selected nutrients and
stimulants.



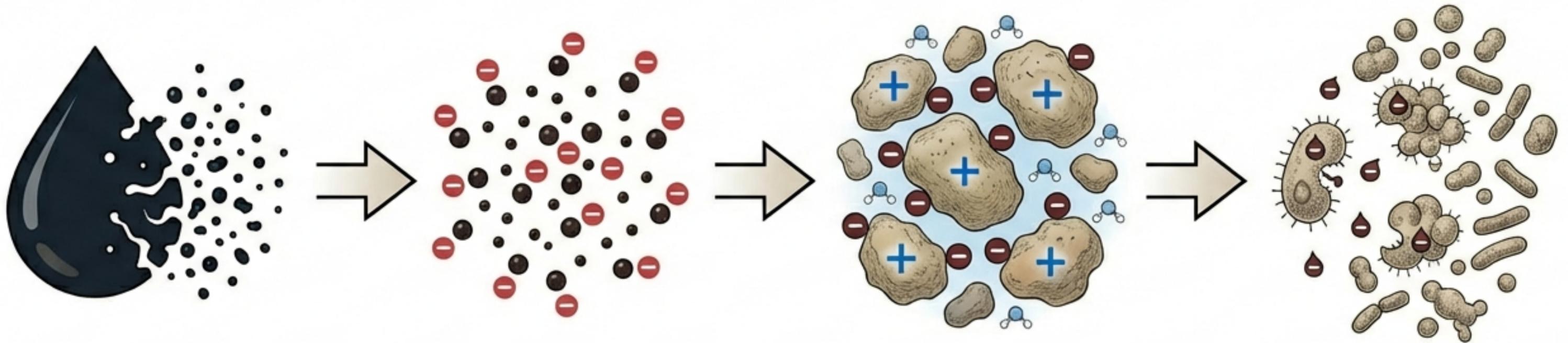
The Science: Microbes mistake pollution for food.

In nature, soil microbes survive by digesting sucrose (sugar) released from plant roots. It is their primary energy source.

S-Oil Purge is formulated to mimic this specific food source. It tricks indigenous microbes into consuming hydrocarbons by making the pollution “look” like sugar.



The Mechanism: Electrostatic repulsion and digestion.



1. Breakdown:
Hydrocarbon masses
broken into
microscopic particles.

2. Charge:
Droplets become
negatively charged.

3. Absorption:
Positively charged aqueous
soil absorbs droplets
(Electrostatic Repulsion).

4. Digestion:
Indigenous microbes
consume droplets as
energy.

Result: Hydrocarbons are eradicated through natural digestion.

Zero daily maintenance required.

Unlike bacterial products that require constant life-support, S-Oil Purge is a 'fire and forget' solution. Since we aren't introducing life, we don't need to keep it alive.



No Watering



No Tilling



No Bacteria
Management

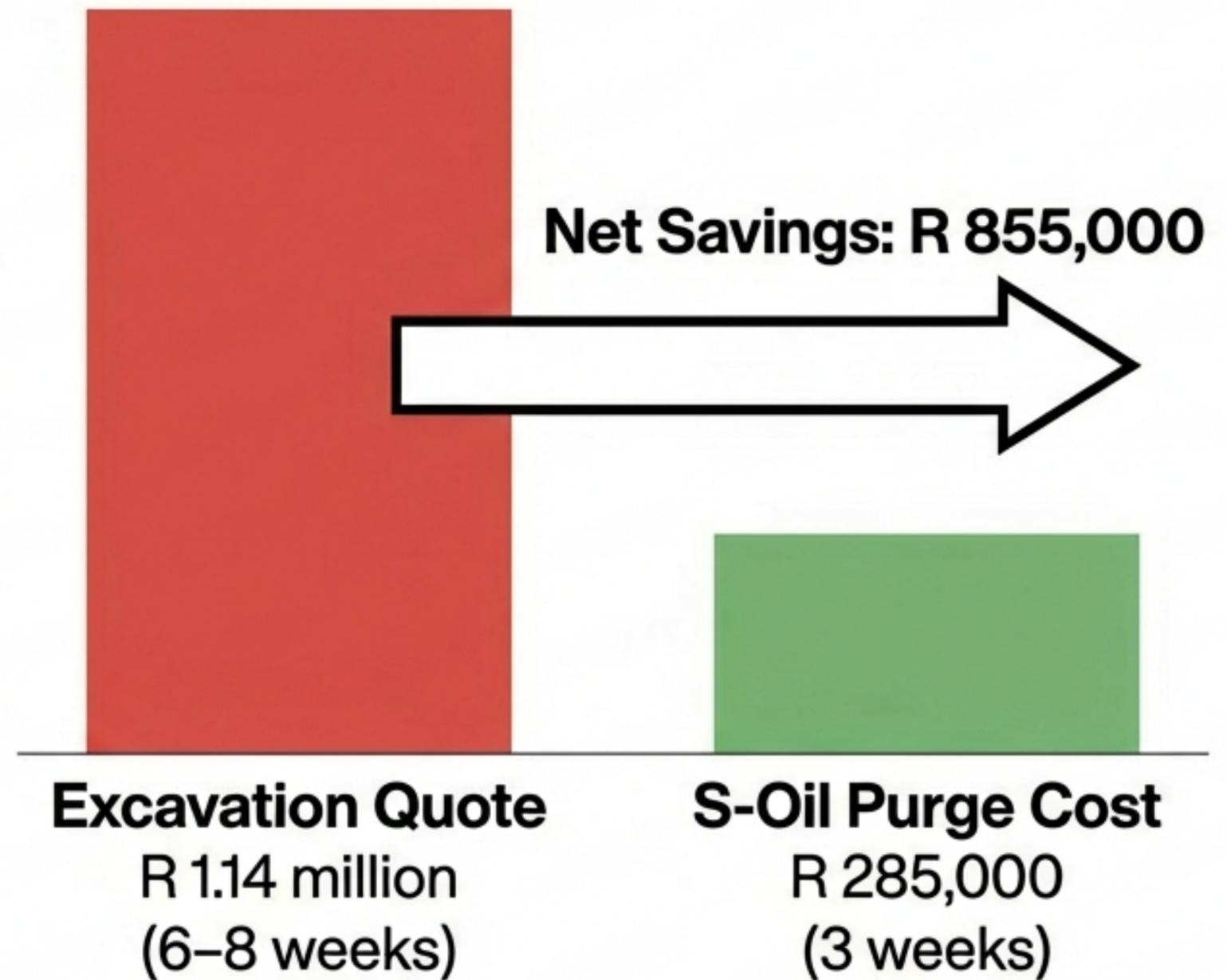
Apply Once. Monitor Results.

A generational leap in performance.

	S-Oil Purge	Bacterial Products
Treatment Time	✓ 5–10 Days	1–6 Months 🕒
Contains Bacteria	✓ NO	YES (Lab-grown) ⊖
Daily Maintenance	None	Watering & Tilling
Mechanism	Feeds Native Microbes	Introduces Foreigners
Reliability	✓ High (Adapted)	Variable (Die-off risk)

Case Study: 75% savings vs. excavation.

Former Service Station, Cape Town.
Diesel/Oil leak (20 years old).
380 m³ contaminated soil.



Outcome: Site remediated to residential standards
and granted unrestricted use certification.



Treatment Zone

Case Study: Remediation without downtime.

Industrial Manufacturing Facility, Gauteng. 520 m³ hydraulic oil/diesel spill.

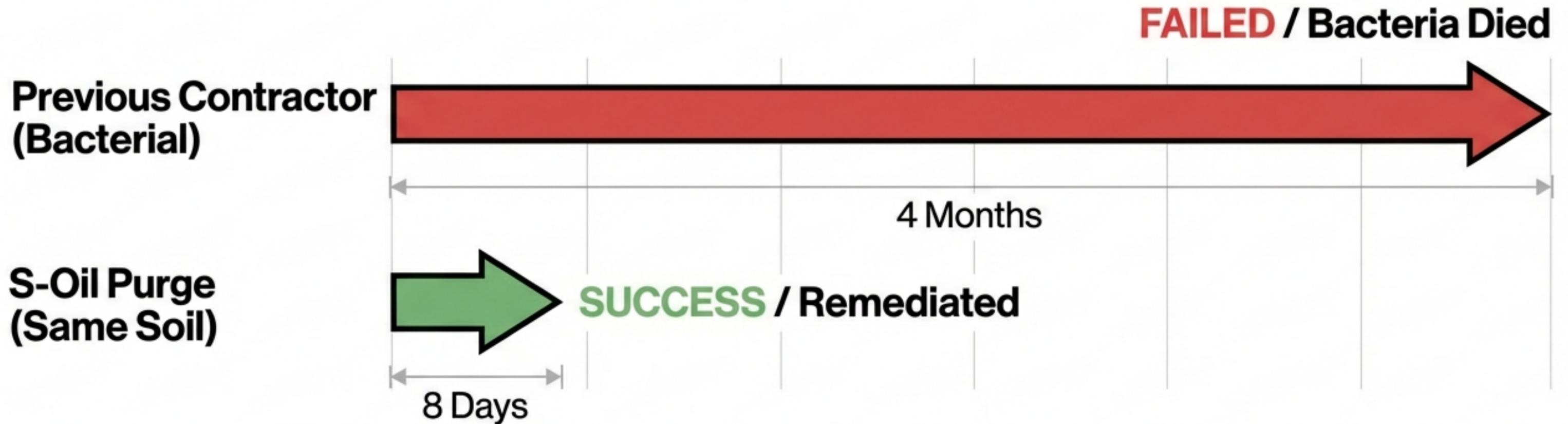
Active zone. Excavation = Facility Shutdown.

Spray-on application during normal operations.

7 Days to compliance.
Zero operational disruption.

Case Study: Succeeding where bacteria failed. bising.

Fuel Depot, Free State. 890 m³ diesel leak.



Proof that native microbes are more resilient than lab-grown alternatives.

Technical specifications and applications.

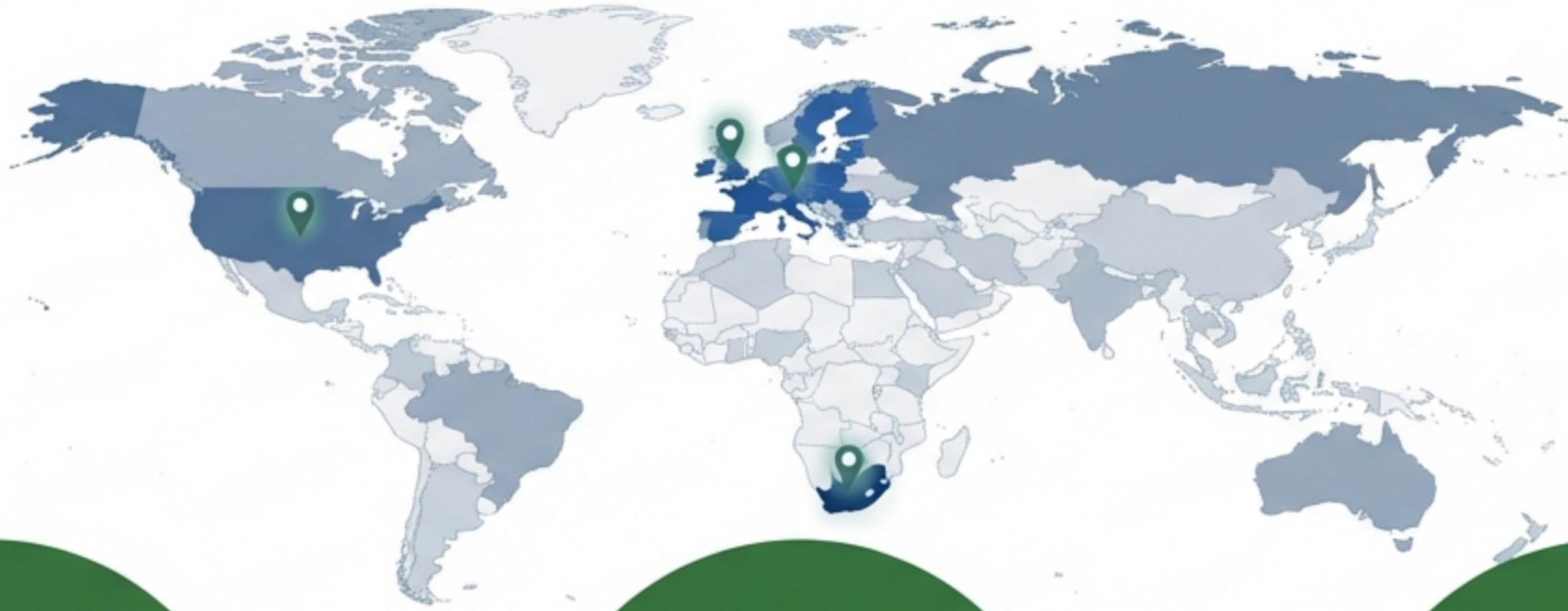
Primary Applications

- ✓ Hydrocarbons (Petrol, Diesel, Oil)
- ✓ Service Stations
- ✓ Pipelines
- ✓ Storage Tanks
- ✓ Industrial Spills

Important Distinctions

- ⚠ Ideal Conditions: Any soil with indigenous microbe populations.
- ⚠ SOIL ONLY. For crude oil on water, see C-Clenz.
- ⚠ Not for surface cleaning of equipment.

A scalable solution for a \$30bn+ global market.



**\$30
Billion**

Market Size

10–30x

Faster than
bacterial
alternatives

40–75%

Cheaper than
excavation

Partnership Models: Distribution, Service Provider Networks, and Technology Licensing available.

25 years of environmental innovation.

Tasmania Limited (Est. 2001)

Tasmania Limited

- ✓ CEO: John Webster (Developer of 6 proprietary technologies)
- ✓ Track Record: 40+ successful field field deployments
- ✓ Credentials: EPA National Contingency Plan recognition (C-Clenz)

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