



Ener-SHE

Women-Founder Led Climate Tech Company

Energy · Sustainability · Women Empowerment

Menara Cakrawala, Jl. MH Thamrin Kav. 9, Jakarta Pusat 10340

www.enershe.co | 2026 Company Profile

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ABOUT ENERSHE

Redefining Waste Empowering Women

EnerSHE is a pioneering women-founder led climate tech company based in Indonesia. We are transforming the waste management landscape by collecting Used Cooking Oil (UCO) from diverse sources—including restaurants, food courts, Makan Bergizi Gratis (MBG) kitchens, and households.

Instead of polluting our water systems, we aggregate, filter, and supply this waste oil to certified offtakers both domestically and internationally, turning a hazardous waste into a valuable feedstock for renewable energy like Biodiesel and Sustainable Aviation Fuel (SAF).



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Sustainability

Reducing carbon emissions by converting waste into clean energy feedstock, supporting Indonesia's Net Zero targets.



Circular Economy

Creating a closed-loop system where waste cooking oil is recovered and repurposed, preventing environmental pollution.



Women Empowerment

Led by 3 women founders, we create green jobs and economic opportunities for women in the waste collection sector.

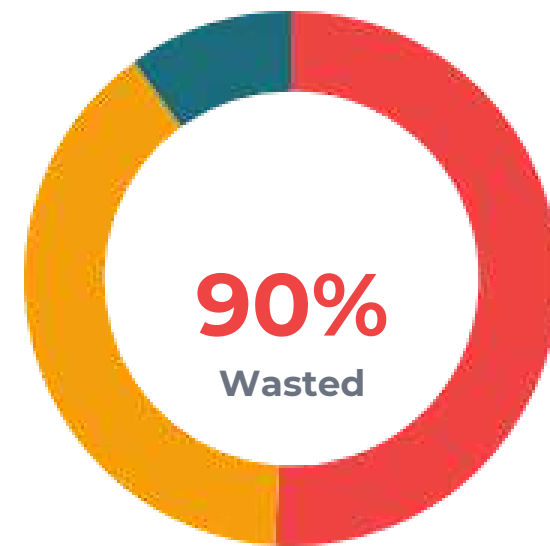
The Problem

Massive Waste, Environmental Harm, Lost Economic Value

Improper Disposal Crisis

Majority of Used Cooking Oil (UCO) in Indonesia is mishandled. Instead of being recycled into valuable energy, it pollutes our environment.

Current Disposal Methods



● Thrown in Trash ● Poured in Drains ● Recycled/Collected



51%

Thrown in Trash

Contaminating landfills and soil, releasing methane gas.



39%

Poured in Drains

Clogging city sewers and polluting fresh water sources.



3M

KL/Year Potential

Total national potential, largely uncollected and wasted.



\$500M+

Lost Value

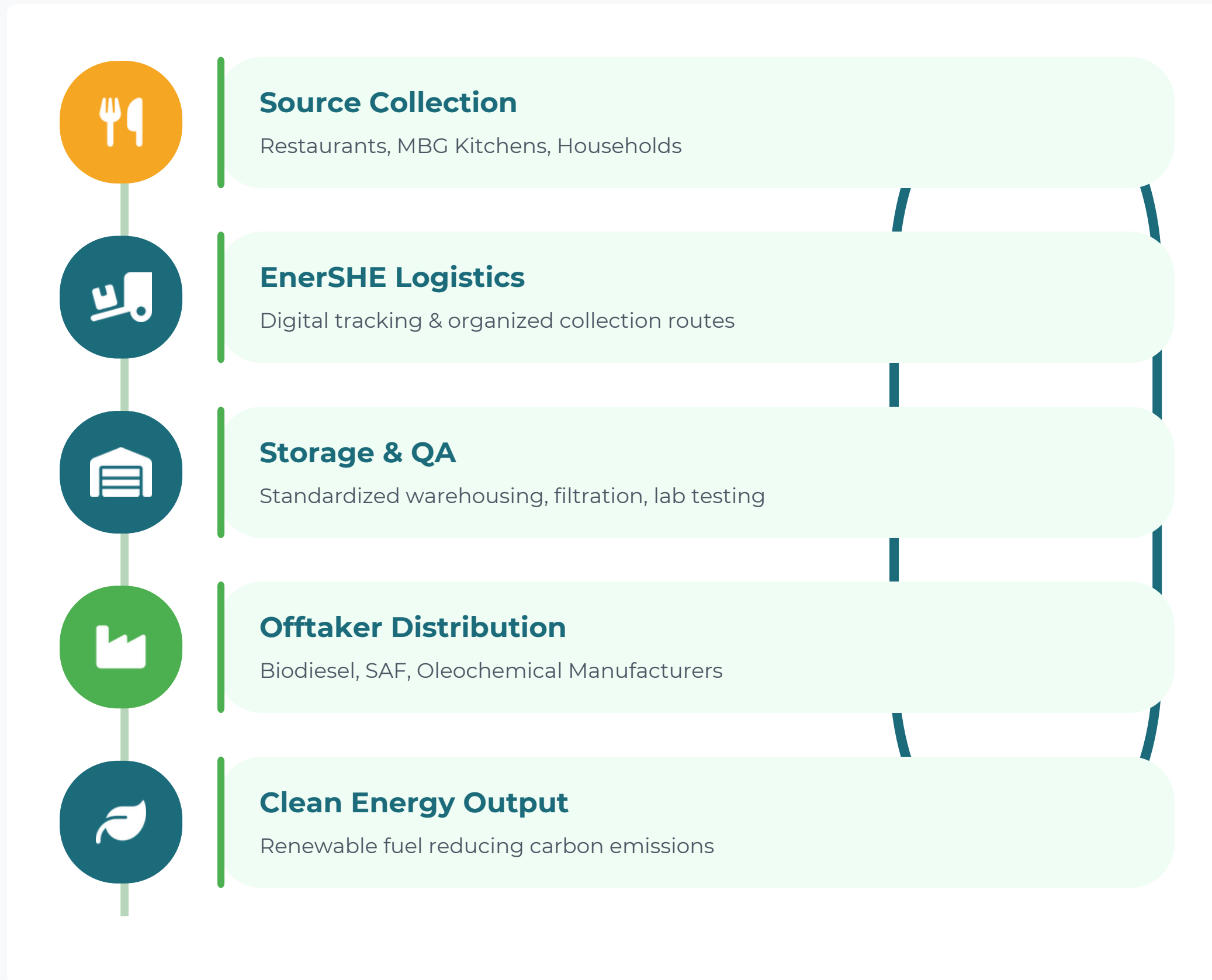
Economic opportunity lost annually due to lack of collection.

Environmental Impact

- Severe water pollution and clogged drainage systems
- High Greenhouse Gas (GHG) emissions from decomposition
- Health risks when re-consumed (re-fried oil)

Our Solution

End-to-End Circular Economy Ecosystem



Organized Network
Structured logistics replacing informal collectors.

Quality Assurance
Lab-tested UCO meeting export specifications.

Tech-Enabled
Digital tracking for full supply chain transparency.

Trusted Offtakers
Direct contracts with certified biofuel producers.

\$17.18B

Market Size by 2035

Growing from \$8.56B in 2025 at 7.2% CAGR



40%

SAF Feedstock Share

Projected share of UCO in SAF production by 2030



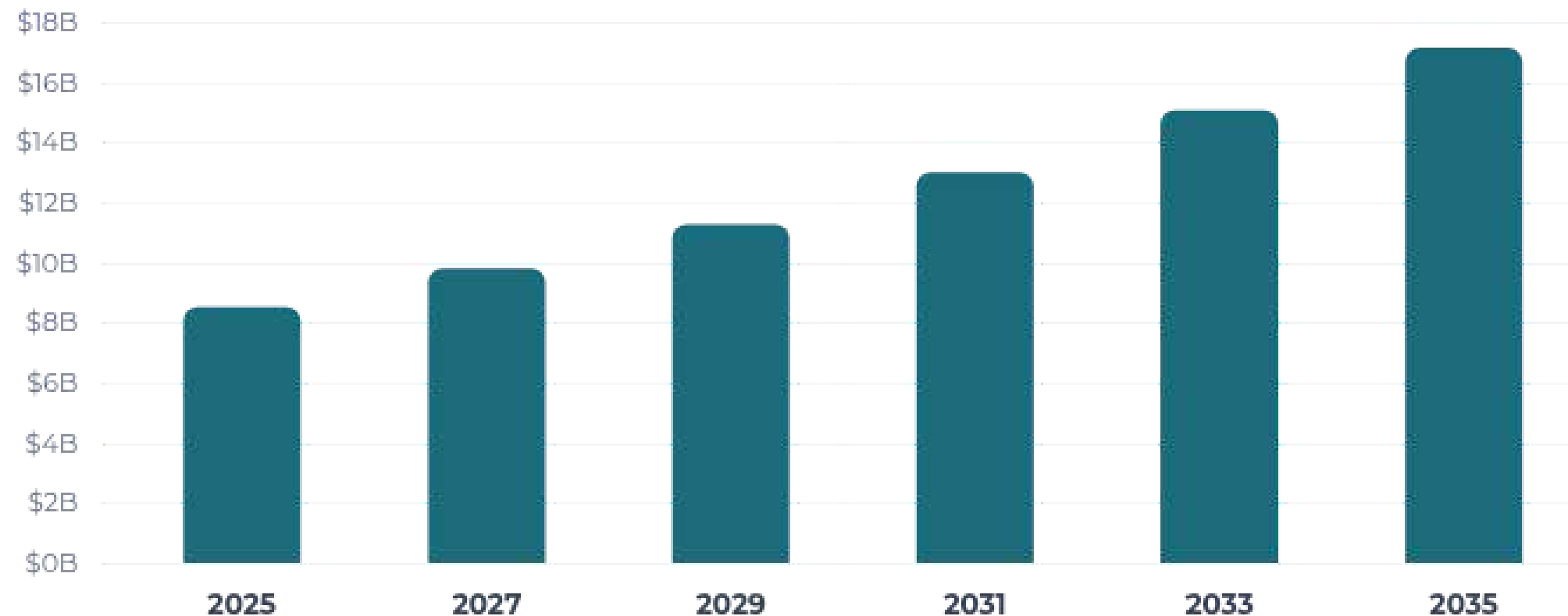
85%

GHG Reduction

Compared to fossil diesel when using UCO-based fuel



Global Used Cooking Oil Market Projection (USD Billion)



Rising Global Demand

Mandates in EU and North America are driving unprecedented demand for waste-based feedstocks.



Biodiesel Dominance

Currently the largest application segment, with renewable diesel (HVO) rapidly gaining share.



Circular Economy Push

Governments incentivizing proper collection to prevent sewer damage and support net-zero goals.

Sources: Fact.MR (2025), BusinessWire (2024)

Indonesia UCO Potential

Untapped Resources & Economic Opportunity

National Distribution

Source: Traction Energy Asia & ICCT



Target

Export Potential

200K Tons

Annual capacity target



Price

Market Price

\$740 /Ton

Global benchmark (Oct '24)



New

MBG Kitchens

30,000

Potential new supply points



Volume

MBG Potential

16.5M L

Daily potential volume

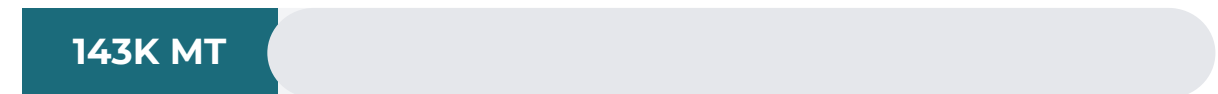


Collection Gap Analysis

National Level

Collected (~20%)

Total Potential (100%)



Currently Collected

Opportunity: 572,000 MT Uncollected

Our Feedstock Sources

Diversified Collection Channels Securing Stable Supply



Restaurants & Food Courts

High-volume generators with consistent quality and predictable collection schedules. Our primary source for export-grade UCO.

Volume: High & Consistent
Logistics: Scheduled Routes



MBG School Kitchens

Strategic partnership with the National Free Nutritious Meal program (Makan Bergizi Gratis). A massive new collection stream starting 2025.

Scale: 30,000 Kitchens (SPPG)
Potential: ~550 Liters / Kitchen



Households

Empowering communities through incentive-based collection programs. Preventing drain clogging at the source.

Total Pot.: 1.2 Million KL/Year
Strategy: Community Incentives

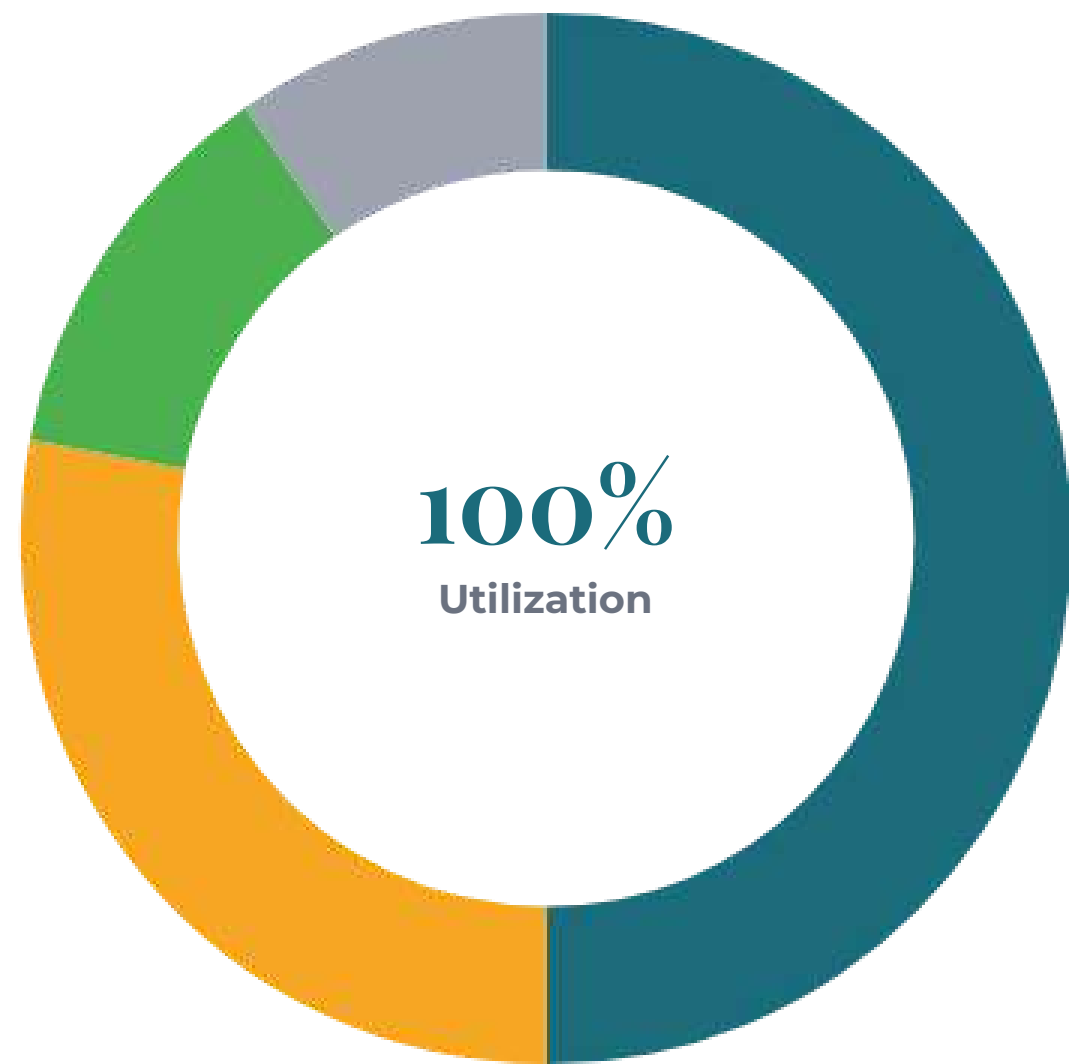


Institutions & Catering

Hotels, hospitals, and industrial canteens requiring certified waste disposal for compliance.

Volume: Medium - High
Focus: Compliance & Quality

Global UCO Market Share by Application



Biodiesel SAF Oleochemicals



50%

Biodiesel / Renewable Diesel

Dominant application segment. Global demand rising from 34.3M tons (2022) to 59M tons by 2030.

↑ Highest Volume



~28%

Sustainable Aviation Fuel (SAF)

Fastest growing segment. EU mandates 6% by 2030. Indonesia targets 1M KL SAF by 2030.

⚡ High Growth Potential



12.3%

Oleochemicals

Used in soap manufacturing, surfactants, and industrial lubricants. Stable demand for high-quality UCO.

✓ Stable Market

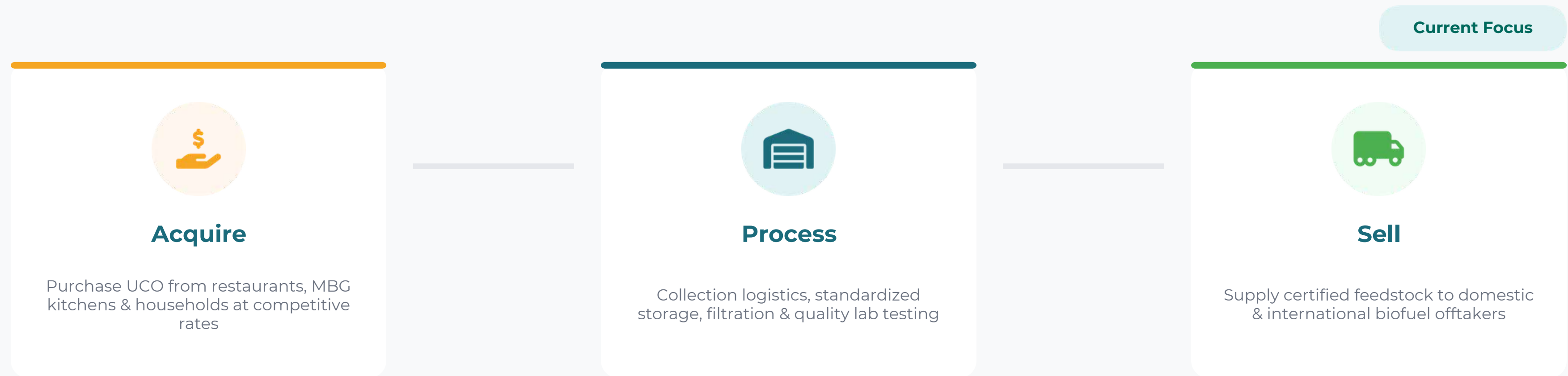


~9.7%

Animal Feed & Others

Niche applications in energy generation and animal nutrition. Subject to strict quality regulations.

– Niche Segment



★ Value Proposition

- ✓ **For Suppliers:** Fair pricing, reliable scheduled pickup, and waste compliance documentation.
- ✓ **For Offtakers:** Consistent export-grade quality (moisture/FFA control) and volume stability.
- ✓ **Traceability:** Full digital tracking from source to delivery ensuring sustainability compliance.
- ✓ **ESG Premium:** Women-led impact narrative enhancing partners' social responsibility scores.

Revenue Model

Margin Spread

Profit generated from the spread between collection cost and selling price to industrial offtakers.

Key Metrics

Volume (MT) × Margin/Ton

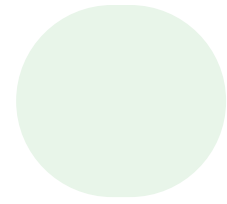


Triple Bottom Line (3P)

Our Framework for Holistic Impact & Growth



Impact Per 1 Ton of UCO Collected



2.8 Tons

CO2e Emissions Avoided

Compared to fossil diesel usage



1,000 L

Water Pollution Prevented

Prevents contamination of clean water sources



~46

Trees Planted Equivalent

Carbon sequestration equivalence

EnerSHE transforms a hazardous waste stream into a sustainable energy resource, directly addressing the dual challenge of waste management and energy transition.

- ✓ **80-85% GHG Reduction** vs fossil fuels when converted to biodiesel/SAF
- ✓ **Prevents Soil Contamination** from improper landfill disposal
- ✓ **Reduces Drain Blockages** in municipal sewer systems
- ✓ **Circular Economy** model closing the loop on food waste

National Alignment



Directly supporting Indonesia's Nationally Determined Contribution (NDC) targets for emission reduction and the Net Zero 2060 roadmap.

Indonesia Vision 2045



Women at the Forefront

Leading the transition to a sustainable future through community-driven climate action.

<7%

of global climate-tech VC funding goes to women founders.

Source: New Energy Nexus, 2023

70%

Household Decisions

Women control majority of kitchen & waste decisions.

Why Women?

We bridge the gender gap in climate technology by positioning women not just as beneficiaries, but as leaders, innovators, and primary drivers of the circular economy.



Micro-Collector Network

Creating income opportunities for women in communities to become certified UCO collectors.

Direct Income Incentive



Green Economy Education

Training programs on sustainable waste management and financial literacy for partners.

Skill Development



Climate Tech Leadership

Mentorship and career pathways for women in STEM roles within the renewable energy sector.

Breaking Barriers



Women-Led Leadership

High ESG scoring and preferred partner status for international buyers seeking gender-lens impact.

Social Value



First Mover Advantage

Establishing dominance in the organized UCO collection segment before market saturation.

Strategic Position



Govt. Partnership

Exclusive access to collect from ~30,000 "Makan Bergizi Gratis" (MBG) kitchens nationwide.

Scalable Volume



Quality Assurance

Rigorous lab testing ensures low FFA & moisture content, meeting international export standards.

Premium Product



Tech-Enabled Ops

Digital platform for real-time tracking, traceability, and transparent payments to suppliers.

Efficiency



Circular Economy

Authentic end-to-end sustainability narrative from kitchen waste to clean energy feedstock.

Sustainability

Join Us in Scaling the Circular Economy

Total Addressable Market (Indonesia)

715,000
MT

Potential Annual Collection Volume

\$500M+

Estimated UCO Market Value

30,000

Govt. Kitchen Units (MBG)

Let's Collaborate

Partner with EnerSHE to drive the energy transition while empowering women across Indonesia.



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Scan to download full investment deck



Offtakers

Seeking domestic & international buyers for long-term UCO supply contracts (Biodiesel/HVO/SAF).



Impact Investors

Seed funding for infrastructure expansion, digital platform development, and pre-processing facility.



Corporate Partners

Restaurant chains, hotels, and food manufacturers looking for certified sustainable waste disposal.



Government

Strategic collaboration with "Makan Bergizi Gratis" (MBG) program for nationwide kitchen waste collection.



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“

Every drop of used cooking oil collected is a step toward a cleaner, greener, and more equitable world.

”

Connect With Us

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Join the Movement

Scan to connect or
download our full
proposal

