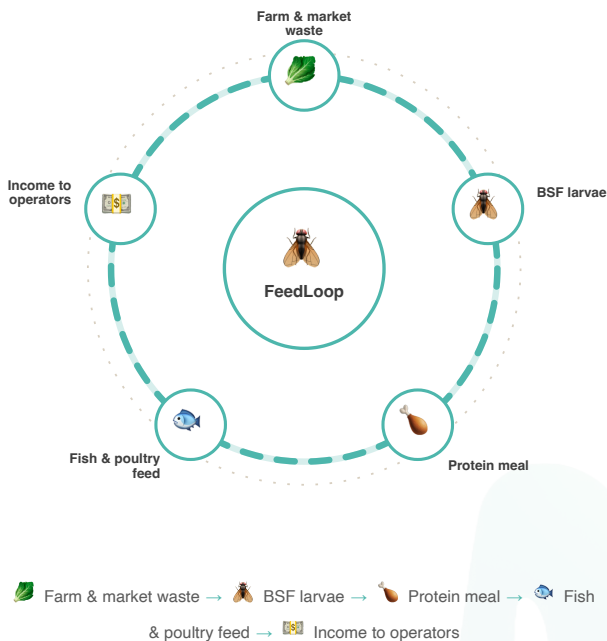


WASTE → VALUE

FeedLoop

Protein from waste

Insect-protein feed from waste can cut Bangladesh's costly fishmeal and soybean imports



✓ PROVEN PRECEDENT

EU-approved insect feed; tilapia trials replace fishmeal up to 75%

▲ WHY IT MATTERS

Cuts FX-exposed soy/fishmeal imports · \$3.4B global market by 2030

THE SITUATION IN BANGLADESH

Feed is the single largest cost in Bangladeshi animal-protein production, accounting for roughly 70–75% of fish-farming costs, yet the country remains structurally dependent on imports, with much of its soybean meal, maize and fishmeal sourced from abroad³. This leaves a rapidly expanding aquaculture sector — part of a fish industry producing around 5 million tonnes annually — exposed to global price shocks, currency swings and supply disruptions³. Researchers are now actively evaluating locally producible protein alternatives precisely because imported fishmeal is costly, volatile and increasingly scarce⁵. At the same time, Bangladesh generates large volumes of untapped organic waste that currently rots in landfills, emitting methane rather than being valorized².

OUR PITCH

FeedLoop closes this loop by farming black soldier fly larvae on clean organic waste, converting it within 12–15 days into a 40–47% protein larvae meal and a nutrient-rich frass fertilizer, while reducing waste mass by 50–80%². The science is proven, not speculative: BSF larvae meal has higher crude protein than soybean meal and can replace up to ~25% of soybean or fishmeal in broiler diets without harming growth¹, while in Nile tilapia it substitutes fishmeal up to 75% and peaks in feed-conversion (FCR 1.21) and profitability at 25% inclusion⁷⁸. Regulatory tailwinds are real — the EU authorized insect proteins, including black soldier fly, in poultry and pig feed under Commission Regulation (EU) 2021/1372⁴ — and the global BSF market is forecast to reach \$3.4 billion by 2030 at a 34.7% CAGR⁶. Our wedge is import substitution: producing feed protein domestically from waste streams Bangladesh already has⁵³. What remains aspirational is local scale-up and Bangladeshi regulatory clearance, which we will pursue alongside controlled local feeding trials⁹.

Built so the operator never fails

HelperChain doesn't hand out a loan and walk away. Every operator gets the **full rail** — inputs, training, finance, supervision and a **guaranteed buy-back** of what they produce. We carry the risk so an ordinary person can succeed.



Equipped & trained

We provide the tools, inputs and hands-on training to start — turning **farm & market waste** into a working operation. No prior capital or expertise required.



Funded, not indebted

Pay-as-you-go, **riba-free** finance turns a poor person into a **funded** operator — with **no debt if a cycle fails**. The network carries the downside, not the operator.



Supervised & supported

Ongoing follow-up and quality assurance — the single factor peer-reviewed evidence shows decides whether ventures survive (**p<0.001**). The operator is never left alone.



Guaranteed buy-back

HelperChain **commits to purchase the output at a fair, pre-agreed price**, so there is always a market — the operator just produces; **we guarantee the offtake**. This is what removes the fear of failure.



Surplus recycles

A thin margin is recycled to fund the next operator — so help compounds and the network grows stronger with every person it lifts.

The promise: we give the operator everything needed to succeed — and we buy back the output at a fair, pre-agreed price. Inputs in, output bought back, risk carried by the network — so they never fail alone.

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