HiveGrid
RED COLMENA

Estrella Oriental
de las Familias A.C.
Close to you to serve

Authorized donee in Mexico

Operating since 2018

INTRODUCTORY INDEX

From local action to national and international scale

Project portfolio of Estrella Oriental de las Familias A.C. and HiveGrid for health, nutrition, food sovereignty and community impact.



ITACATE

Scalable local project

Municipal → State → Federal

- Food rescue and redistribution
- Dignified low- or no-cost meals
- Waste reduction and lower carbon footprint
- Community, educational and operational partnerships

RED COLMENA SALUD 360

National project with international scale

Mexico → internationally replicable model







- Mobile health unit
- Fortified nutrition cans
- HiveGrid food-sovereignty modules

Integrated model for national validation, strategic partnerships and international projection.

Local base — ITACATE

National scale — Red Colmena Salud 360

International projection — Global partnerships and validation

Estrella Oriental
de las Familias A.C.
Cerca de ti para servir

CURRENT PHASE 0

ITACATE

Direct local project for immediate implementation

From territorial action to a replicable model

ITACATE is already addressing real community food needs while **building capabilities for growth.**



Rescue and use of recovered food
recovered food redirected and channeled



Production and service
meal preparation and food delivery



Community follow-up
close support, habits and continuity



Operational learning
measure, adjust and document

Field operation
Direct action in the community

Operational base
Processes, local team and partnerships

Validatable model
A methodology that demonstrates results

Replication potential
Ready to expand to more communities

ITACATE is not just a local action: it is the **territorial laboratory** where **scale begins.**

Estrella Oriental
de las Familias A.C.
Cerca de ti para servir

PHASE 0
IN OPERATION

ITACATE

Local operational pathway

How it works today in the field

ITACATE operates, learns and adjusts in real time, turning territorial action into a **replicable methodology.**



Food rescue and channeling
recovery and redirection of food.



Sorting and preparation
selection, hygiene and daily production.



Community service
direct food delivery and close support.



Education and accompaniment
habits, guidance and participation.



Measurement and improvement
indicators, operational reports and adjustments.

Direct action
Immediate response to community needs.

Documented process
Clear and standardized methodology.

Local capacity
People, partnerships and territorial resources.

Continuous improvement
Field learning for greater impact.

ITACATE is not just a local action: it is **the territorial laboratory where scale begins.**

Estrella Oriental
de las Familias A.C.
Cerca de ti para servir

ITACATE

Scaling pathway

From local phase 0 to a replicable network



Phase 0

current territorial action

testing, direct service and operational learning.



Phase 1

strengthened pilot

standardization, basic infrastructure, protocols and local team.



Phase 2

replication in new sites

community adaptation and orderly expansion.



Phase 3

articulated network

consolidated model with documentation, monitoring and interoperability.

Conditions to move forward

- clear indicators
- local team
- complete documentation
- active partnerships

Phase 1 will require initial investment to strengthen infrastructure, operations and documentation.

Scaling does not simply mean growing: it means **replicating with control, learning and quality.**

Estrella Oriental
de las Familias A.C.
Close to you to serve

ITACATE

Territorial base for national impact

A direct local project with the capacity to connect future larger efforts

ITACATE addresses immediate community food needs while building **evidence, capabilities and territorial trust.**



Operational evidence

real processes, data and field learning



Community capacity

team, partnerships and local participation



Responsible expansion

a base for growth without losing quality

What it already enables

- direct service
- documentation
- training
- replicability

ITACATE is the local starting point from which **a broader network can be built.**

HiveGrid
RED COLMENA

Estrella Oriental A.C.
Cerca de ti para servir

RED COLMENA SALUD 360

Connecting primary care, nutrition and local food production in Mexico

Integrated validation programme for Geneva-facing partnerships



USD 950,000
funding ask

12-month
base programme

35
HiveGrid modules

160,000
nutrition units

1
mobile health unit

DETECT
Identify nutritional and health needs in communities

BRIDGE
Connect nutrition, primary care and local production

BUILD
Deploy HiveGrid modules and local supply chains

MEASURE
Validate impact and enable long-term scale

HiveGrid
RED COLMENA

Estrella Oriental A.C.
Cerca de ti para servir

One programme, one connected pathway

From detection to resilience



DETECT

Mobile health unit for general medicine, nutrition screening, baseline, follow-up and referrals.



BRIDGE

Complementary fortified nutrition to respond to immediate needs while the programme validates operations.



BUILD

HiveGrid modules that combine food production, water, sanitation, energy and regenerative practices.



MEASURE

Shared indicators, field logs, QA/QC and independent evaluation to guide stop / redesign / go / scale decisions.

USD 950,000 funding ask

12 months base programme

35 modules

160,000 nutrition units

1 mobile unit

HiveGrid
RED COLMENA

ESTRELLA ORIENTAL A.C.
Cerca de ti para servir

DETECT

Mobile health and territorial intelligence

General medicine, nutritional assessment and continuity of care in the field



- General medicine and nutrition screening
- Baseline and follow-up
- Referral pathways and completion tracking
- Field data capture and protocol-based operation
- Community outreach and territorial intelligence

Proposed validation component. Final vehicle configuration remains subject to procurement.

HiveGrid
RED COLMENA

Estrella Oriental A.C.
Cerca de ti para servir

BRIDGE — Complementary fortified nutrition

A practical social nutrition product for validation and reach

Three 20,000-unit flavour lots

One 100,000-unit production run

Formulation, process stability, QA/QC and shelf life require validation

Complementary nutrition
not a medical treatment or complete diet

Designed for scalable social distribution and sponsorship





Support healthier communities
through practical, locally relevant nutrition

HiveGrid
RED COLMENA

Estrella Oriental A.C.
Cerca de ti para servir

BUILD — HiveGrid modular food sovereignty

Decentralized productive infrastructure for communities



KEY INDICATORS (PER MODULE)

- Estimated footprint: **10–15 m²**
- Water volume: **~1,200 L**
- Estimated vegetal production: **25–50 kg/month**
- Estimated animal/protein production: **20–35 kg/cycle**
- **Modular, replicable, community-based, circular**

MODULE COMPONENTS

- Aquaponics IBC
- Vertical towers
- Aeroponics
- Water filtration and recirculation
- Solar energy + control
- WASH
- Rocket stove
- Pollination
- Composting
- Insect protein

Local food | Clean water | Renewable energy | Stronger communities

Estimated values; results subject to independent validation.

FUNDING REQUEST & VALIDATION ROADMAP

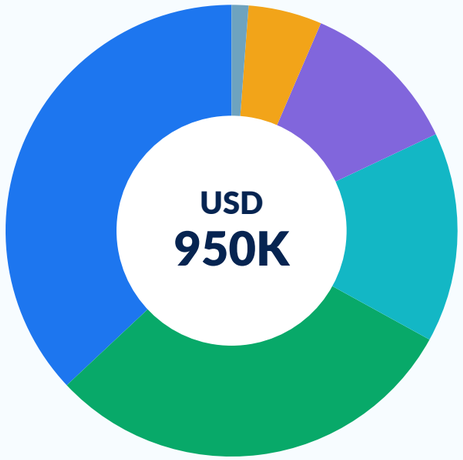
Updated October 2026 | Same total request | ITACATE included in the allocation

TOTAL REQUEST

USD 950,000

No additional funds requested

USD 50,000
ITACATE Phase 1 (reallocated)



REVISED ALLOCATION

Fortified nutrition	USD 351,429
HiveGrid modules	USD 285,000
Mobile health unit	USD 142,857
Operations & evaluation	USD 109,286
ITACATE Phase 1	USD 50,000
Contingency reserve	USD 11,428

3-PHASE DELIVERY ROADMAP

01 PREPARE
Months 1-4

- Governance and agreements
- Independent procurement review
- Technical and food-safety plans

02 VALIDATE
Months 5-12

- Pilot nutrition and mobile care
- Install and evaluate modules
- Launch ITACATE Phase 1 controls

03 EVALUATE
Months 13-18*

- External impact assessment
- Unit-cost and safety review
- Scale / redesign / stop decision

Planning figures only. Module and nutrition-unit targets require supplier recosting. *Conditional extension up to month 18.