emerge

ENABLING THE MORE EFFICIENT, MORE HUMANE AND MORE TRANSPARENT
MOVEMENT OF PEOPLE, GOODS, DATA AND RESOURCES AROUND THE WORLD.

WWW.EMERGEDEV.CO

AGENDA

MEET EMERGE

Emerge is a solutions development lab using emerging technologies to address pressing humanitarian issues. Our products enable the more efficient, more humane, and more transparent movement of people, goods, data, and resources around the world.

For our work, Emerge has been nominated to the 2018 Global SDG Awards and the 2019 Newsweek Blockchain for Impact Awards. Our founder is currently nominated for MIT Technology Reviews Latin American Innovators Under 35, the Royal Bank of Canada's Women of Influence Awards, and Acquisition International's Influential Businesswomen Awards.

For more information about Emerge, please visit www.emergedev.co or write us at hello@emergedev.co.

OUR WHY

THE CURRENT STATE OF THE WORLD   THE TIMING   THE GAPS
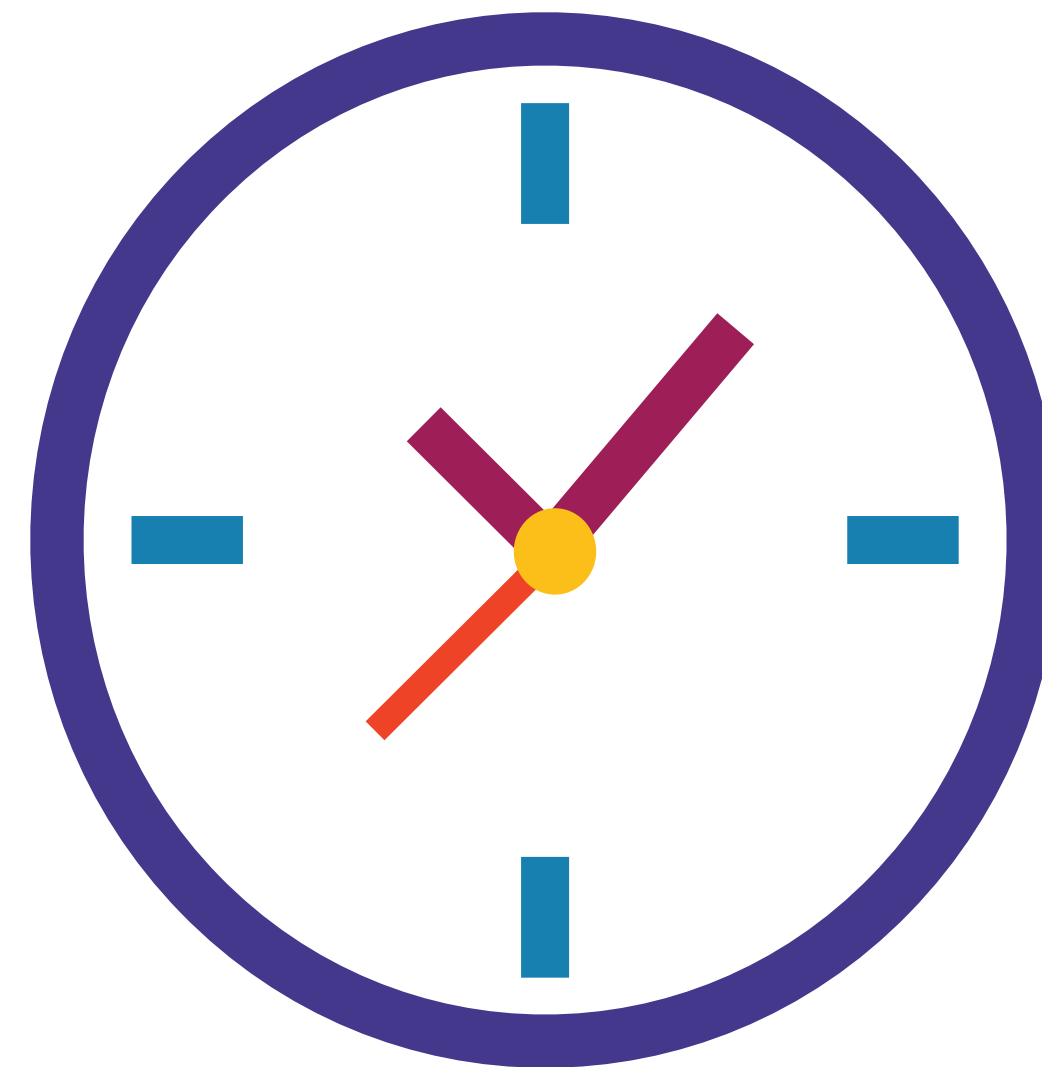
OUR DESIGN PHILOSOPHY

people

equitable

supportable

emerge

planet
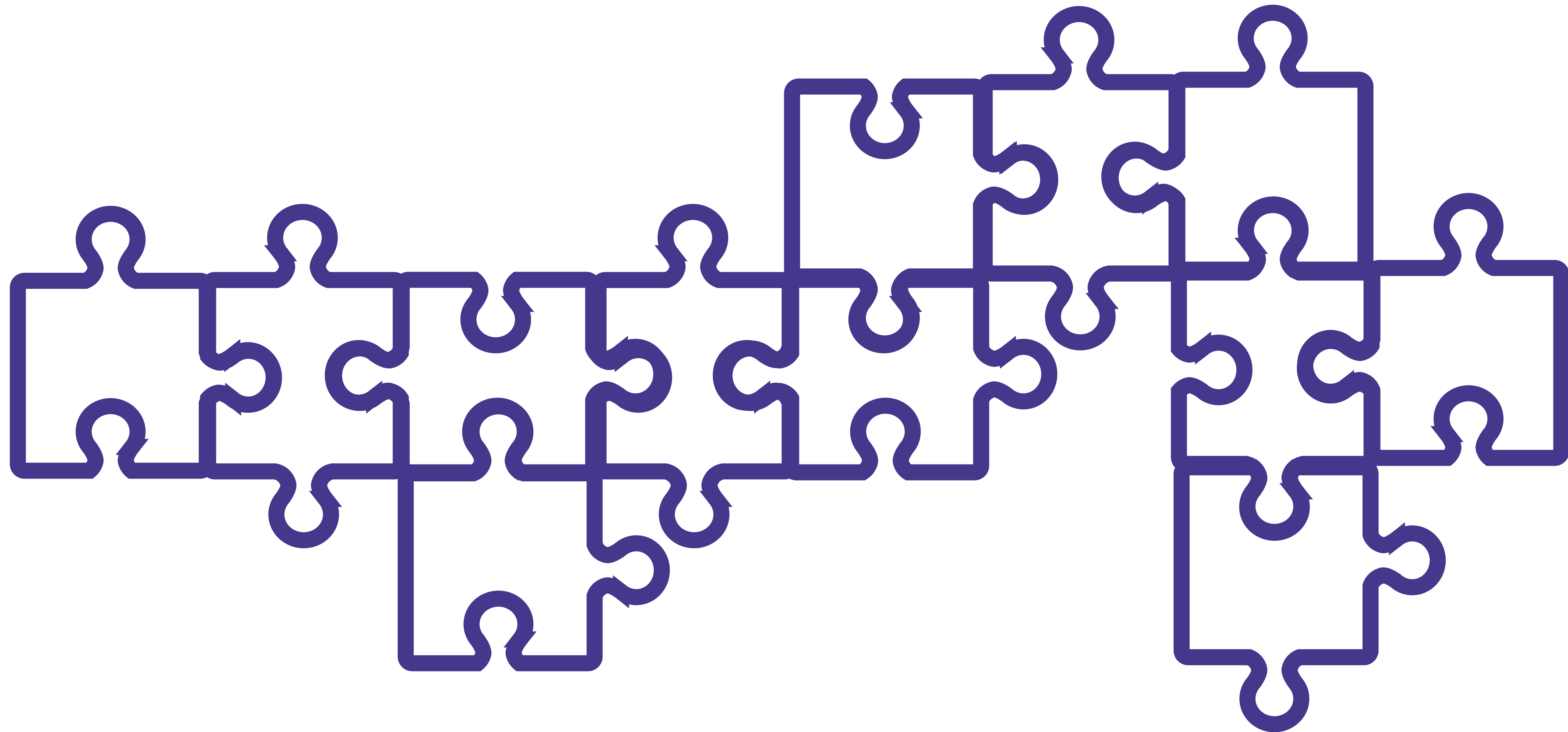
profit

viable
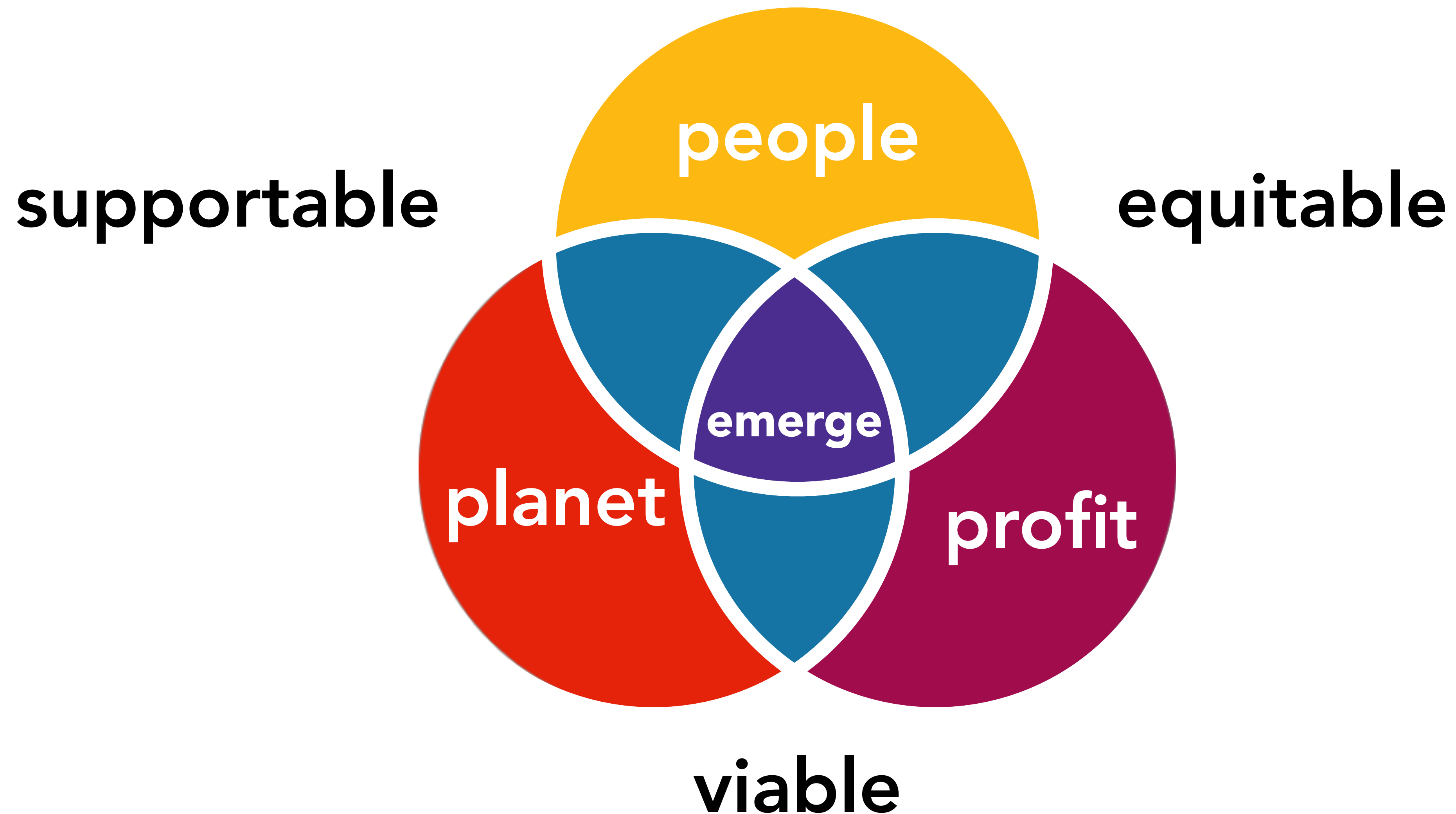
OUR IMPLEMENTATION PHILOSOPHY

A GLANCE AT OUR PORTFOLIO

BORN AT EMERGE

HOMEWARD is an identity management and intelligent resettlement system for displaced populations.

SAFE HAVEN is a disaster relief temporary net that works with international organizations to train, deploy and pay locally trained citizens in natural disaster prone countries in realtime after disaster strikes.

THESEUS is a logistics solution to transparently track, trace and optimize the global movement of goods, while reducing waste and fostering fair economic opportunities.

TRUSTED VOICES creates an immutable chain of custody for the source material used in today's news.

REQUESTED FROM EMERGE

LEGACY CACAO to support a Central American indigenous tribe protect the last of this rare cacao tree.

URBAN GREEN to identify and commercialize new pockets of micro-green spaces across major urban cities.

THE JUSTICE PROJECT to protect witness information and create better chains of custody for evidence used in war crime investigations.

SOS AMAZON to balance out power dynamics in the fight for South America's Amazon conservation via fractionalized ecosystem asset management.

HOMEWARD

INTELLIGENTLY RETHINKING REFUGEE RESETTLEMENT

Designed by emerge

2017 BY THE NUMBERS

68.5 million forcibly displaced people, as estimated by the UNHCR.

9 out of 10 refugees remain in their region of origin.

44,400 new displacements every day.

52% of refugees are children below 18 years of age.

70,000 new stateless children are born every year in the 20 countries hosting the world's largest stateless populations.

102,800 people were globally resettled (total), a 54% decline from 2016.

KEY ISSUES

Overwhelming Concentrations of Claims in Sanctuary Cities

Broken System for Handling Humanitarian Crises
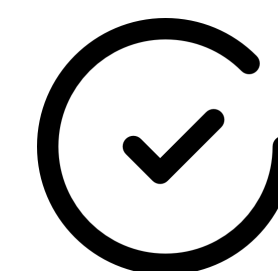
Identity and documentation verification

Security

Lack of global agency interoperability
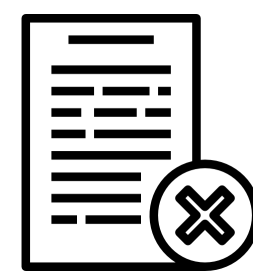
Incomplete assessment of refugee integration
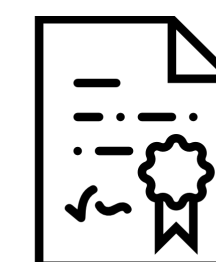
Refugee economic dependency and invalid education and work experience

Public opinion

ID FOR THE DISPLACED: THE BARRIER QUESTIONS

1. WHO ARE YOU?

2. ARE YOU WHO YOU SAY YOU ARE?

3. HAVE YOU BEEN WHO YOU SAY YOU ARE THROUGHOUT THE ENTIRE PROCESS?

HOMEWARD: A TRIPARTITE APPROACH

1. ACCESS TO SELF-MANAGED DIGITAL IDENTITY

2. INTELLIGENT RESETTLEMENT

3. CONNECTION TO A SUPPORT ECOSYSTEM

IDENTIFYING A CLAIMANT'S INVISIBLE PROFILE

In addition to their present circumstances, displaced persons face an added barrier: they are unable to present themselves as value-add to destination countries. The bulk of their application is identity, security and displacement related, which feeds burden narratives and forces them to rely on goodwill immigration policies.

Homeward's focus on **employability potential** allows every claimant the opportunity to leverage untapped strengths in order to position themselves as future contributors to local communities. This approach also helps ensure humanitarian programs focus on the most dire and urgent cases.

The Homeward ecosystem also facilitates opt-in, remote training and education programs, allowing claimants to use wait periods productively by building on their identified strength areas.

PRIMARY USER JOURNEY

EXAMPLES OF USERS

UNHCR Refugee Emerge Destination City Destination Country UNICEF Partners

TECH STACK

Biometric Scanners Blockchain IBM Watson Algorithm

Onboard	Identity Profile Creation	Matchmaking & Application Tracking	Welcome Home

1
UNHCR security screening passed, referral made; Arrival at Migration Mexico Centre, referral made

2
Informational talks and instructions, device received

3
Data Capture

4
PKI Generated & Compartmented Information Levels Determined

5
Destination & Immigration Program Match Rendered, (Redirect Link for Country Application)

6
Match Validation Letter Automatically Generated

7
Sovereign Country Application with Live Audit Trail*

8
Customized Welcome & Support Experience, Follow-On Program Opt-Ins

CryptoChicks Bootcamp Training for Developers, Online Education Programs & Job

UNICEF Programming for Dependents

PRODUCT STRATEGIC VISION

BUILDING THE FUTURE OF GLOBAL MIGRATION…

Homeward's portable digital identity system and global matching algorithm can be customized and scaled to address different experiences of displacement, as well as for those simply looking to relocate to a city most conducive to their economic and social success.

…THROUGH THE LENS OF THE FUTURE OF WORK

Our solution anticipates a future of work built for and by a more free-flowing labour force, with trends including flexible location options, remote work, and relocation opportunities responsive to demands for specific skills. Through its ecosystem, Homeward enables the development of those skills, as well as to employment and resettlement opportunities for all, including our global displaced population.

THESEUS

TRANSPARENCY FROM FARM TO POINT OF SALE

Designed by emerge

THE ISSUES

Cost: Supply chain solutions could reduce the amount of food wasted by $270 billion (in value) of what is estimated to be a $1.5 trillion problem by 2050 (BCG).

Equity: Farmers are routinely underpaid for their labour, particularly in emerging and underdeveloped markets.

Waste: Globally, we throw out about 1.3 billion tons of food a year, or 1/3 of all the food that we grow (UN).

Health: Romaine lettuce, in 2018 and in the US alone, was responsible for 210 E.coli cases, hospitalizing 96 people and killing 5 people in one outbreak (CDC).

Data: Data is siloed, creating a severely fragmented ecosystem.

Regulation: New policies moving toward more accountability for the entire process not just your role in it.

Trust: Consumers doubt the safety of daily food products they feed to their families and are demanding more transparency about the source of their products.

CONSUMERS WILL PAY MORE FOR TRANSPARENT PRODUCTS

Overall importance of product transparency to consumers when purchasing products:

99%
List of Ingredients

98%
In-Depth Information on Ingredients or Materials

95%
Source of Ingredients

93%
Production and Manufacturing Processes
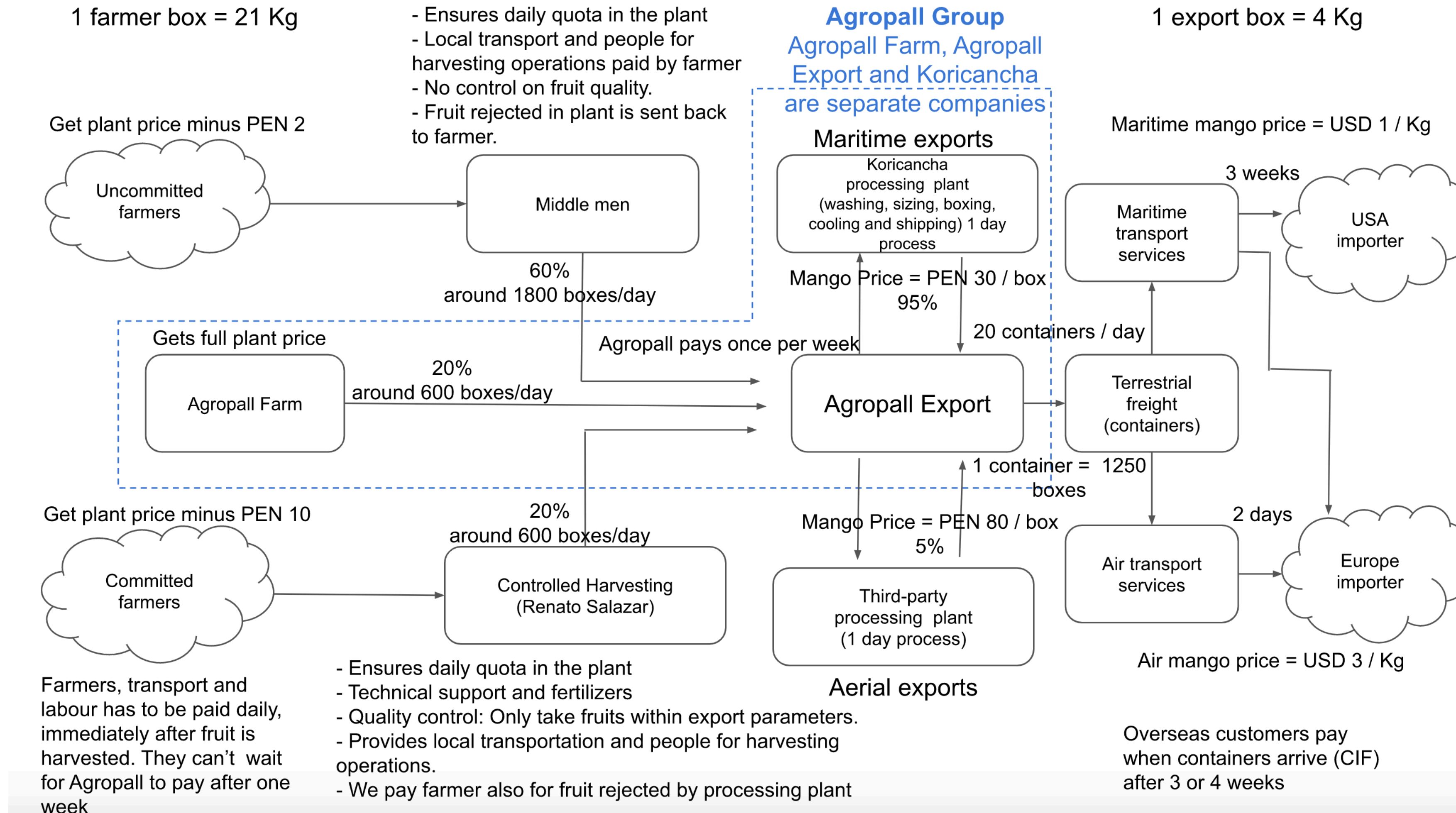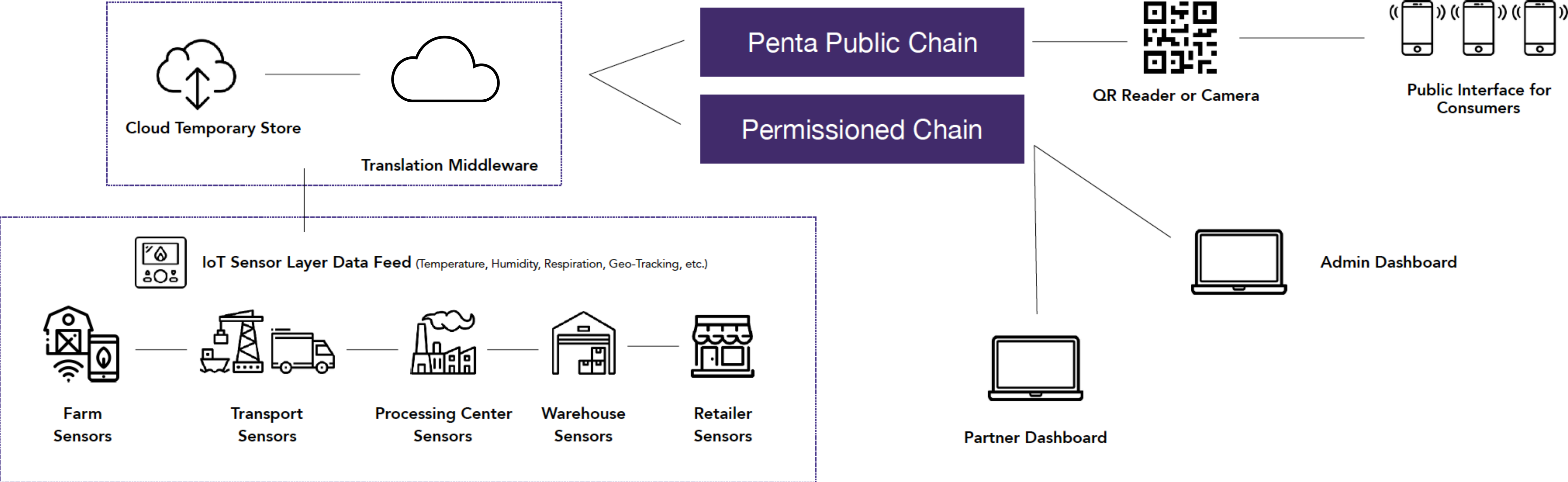
90%
Shipping and Handling

91%
Sustainability/ Charitable/ Labour Efforts

BEFORE

1 farmer box = 21 Kg

- Ensures daily quota in the plant
- Local transport and people for harvesting operations paid by farmer
- No control on fruit quality.
- Fruit rejected in plant is sent back to farmer.

Agropall Group
Agropall Farm, Agropall Export and Koricancha are separate companies

1 export box = 4 Kg

Maritime mango price = USD 1 / Kg

Get plant price minus PEN 2

Maritime exports

Uncommitted farmers → Middle men

Koricancha processing plant (washing, sizing, boxing, cooling and shipping) 1 day process

Maritime transport services → 3 weeks → USA importer

60%
around 1800 boxes/day

Mango Price = PEN 30 / box
95%

Gets full plant price

Agropall pays once per week

20 containers / day

Agropall Farm → 20% around 600 boxes/day → Agropall Export → Terrestrial freight (containers)

1 container = 1250 boxes

Get plant price minus PEN 10

20%
around 600 boxes/day

Mango Price = PEN 80 / box
5%

2 days

Committed farmers → Controlled Harvesting (Renato Salazar)

Third-party processing plant (1 day process)

Air transport services → Europe importer

Aerial exports

Air mango price = USD 3 / Kg

Farmers, transport and labour has to be paid daily, immediately after fruit is harvested. They can't wait for Agropall to pay after one week

- Ensures daily quota in the plant
- Technical support and fertilizers
- Quality control: Only take fruits within export parameters.
- Provides local transportation and people for harvesting operations.
- We pay farmer also for fruit rejected by processing plant

Overseas customers pay when containers arrive (CIF) after 3 or 4 weeks

AFTER

I am a
food
supplier

Manage Your Food

I am a
food
shopper

Know Your Food

MANAGE YOUR FOOD

| DELIVERY TRACKING | SUPPLY CHAIN DATA | VERIFY CERTIFICATIONS | REPORT A PROBLEM |

Sorry, online ordering is currently closed. We're not taking orders right now.

Hi, Guest
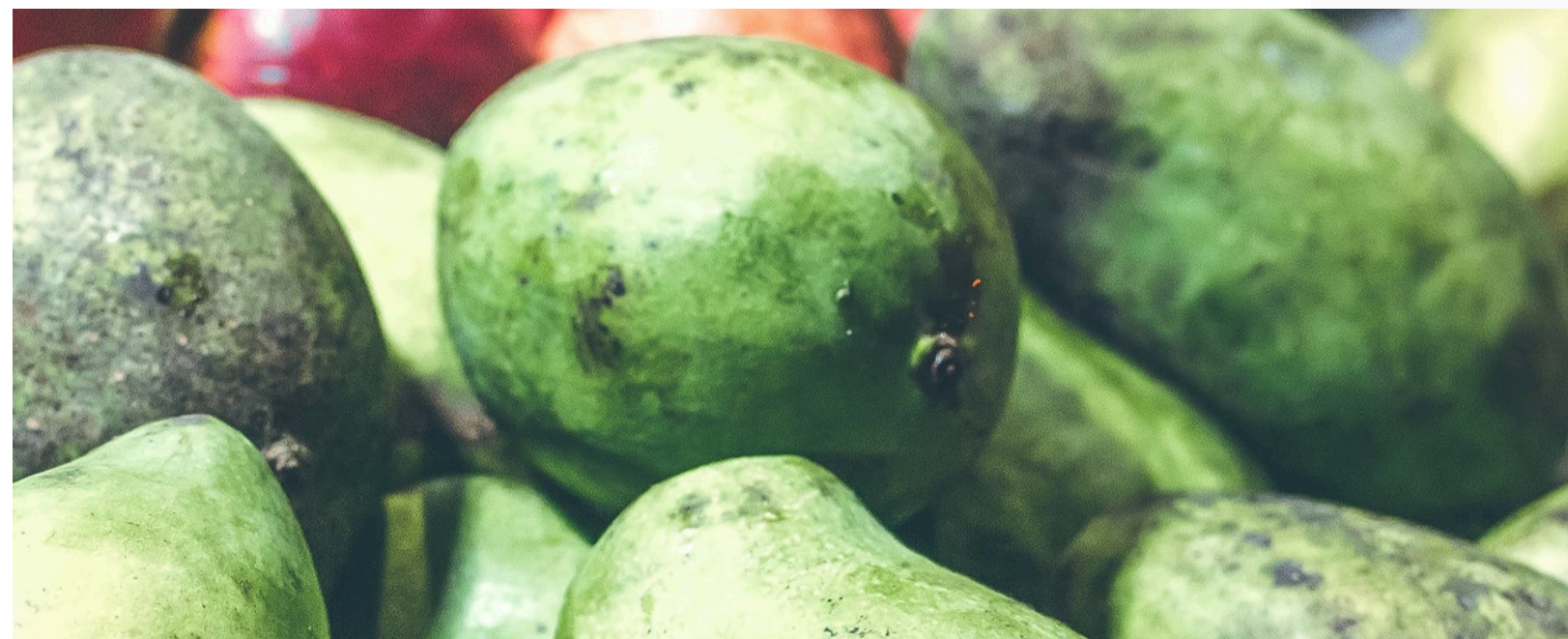
My Order   (0 items)

Browse our menu and start adding items to your order

Subtotal $0

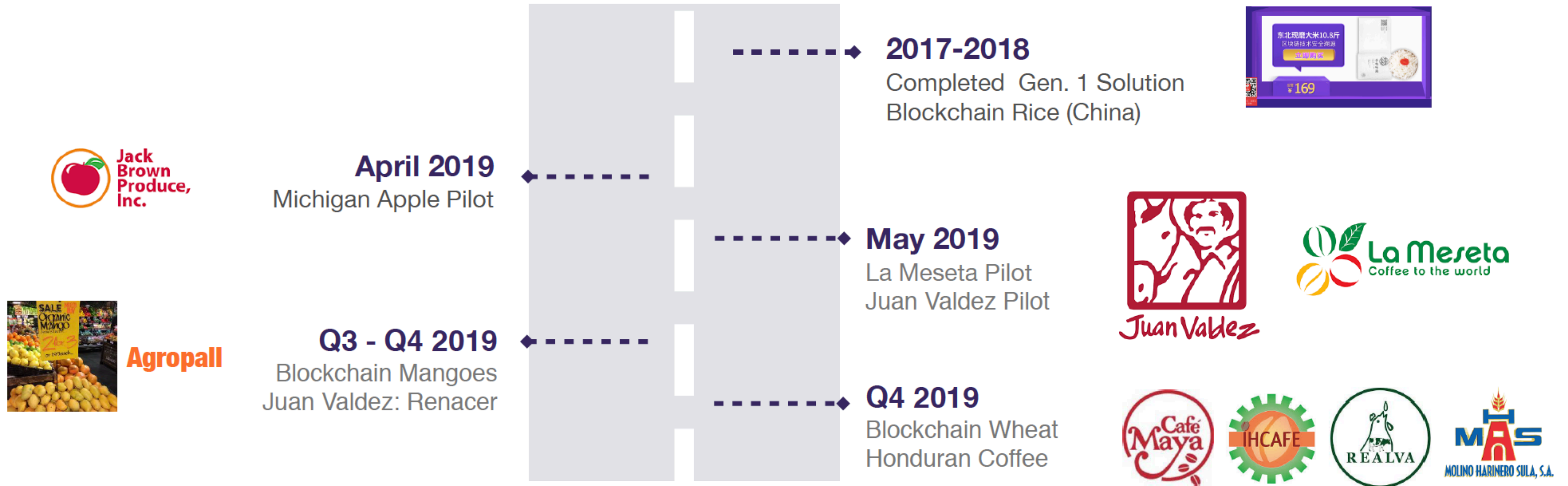+ Special requests

Online ordering unavailable

ORDER NOW >

PRODUCT: MANGOES

Provenance: Piura, Peru
Producer: Agropall
Shelving Date: March 25, 2019
Best Until: May 4, 2019

Satellite

Agropall ×

Click for More

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OUR PRODUCT ROADMAP

2017-2018
Completed Gen. 1 Solution
Blockchain Rice (China)

April 2019
Michigan Apple Pilot

May 2019
La Meseta Pilot
Juan Valdez Pilot

Q3 - Q4 2019
Blockchain Mangoes
Juan Valdez: Renacer

Q4 2019
Blockchain Wheat
Honduran Coffee

SCALING OUR IMPACT

BUILDING IMPACT ECOSYSTEMS

DESIGN THINKING TRAINING

ISSUE-FOCUSED DEVELOPMENT

emerge

For further questions, partnership opportunities, or more information, please contact us at hello@emergedev.co.

THANK YOU!