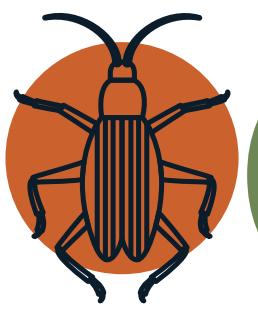
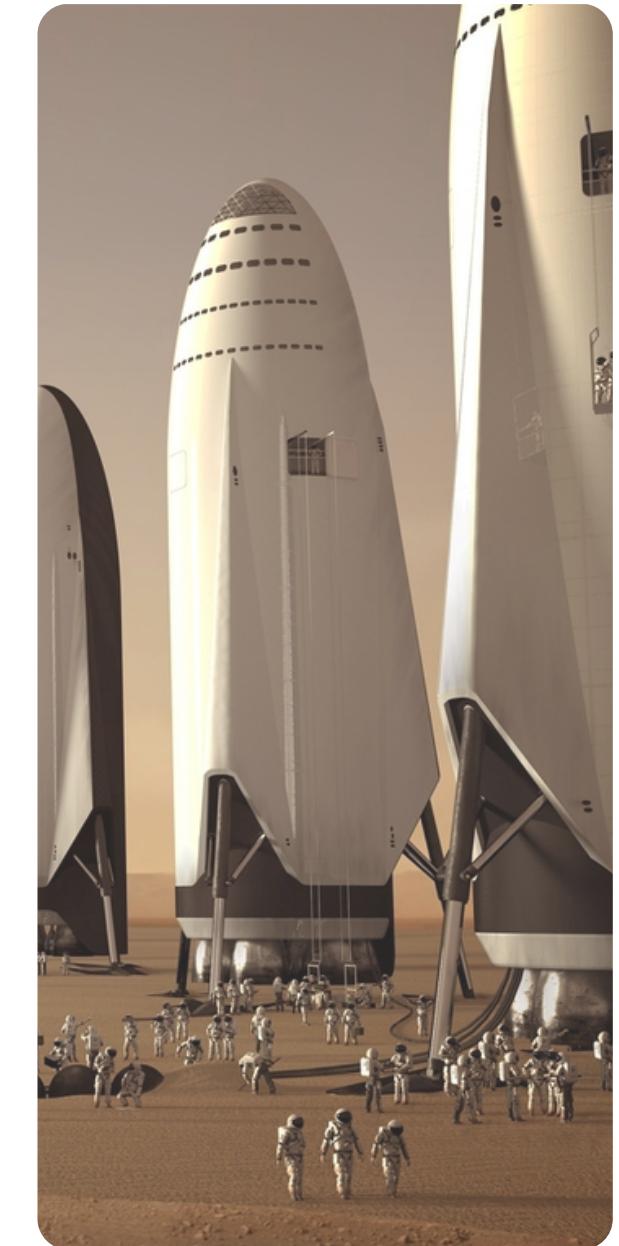


FOOD+



Food of the future

# ANIMAL HUSBANDRY IS NOT FEASIBLE IN MARS





# HUMANS IN SPACE REQUIRE MORE PROTEIN

Due to the high oxygen concentration and hypokinesia, the human body needs a higher amount of protein and amino acids.

[Life Sciences Space Research]

LAUNCHING A ROCKET  
TO MARS IS ONLY  
POSSIBLE EVERY THREE  
YEARS





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# AIRBUS 02

# MAKE ME FLY

Find new ideas based on technologies on Earth to build the next space generation.

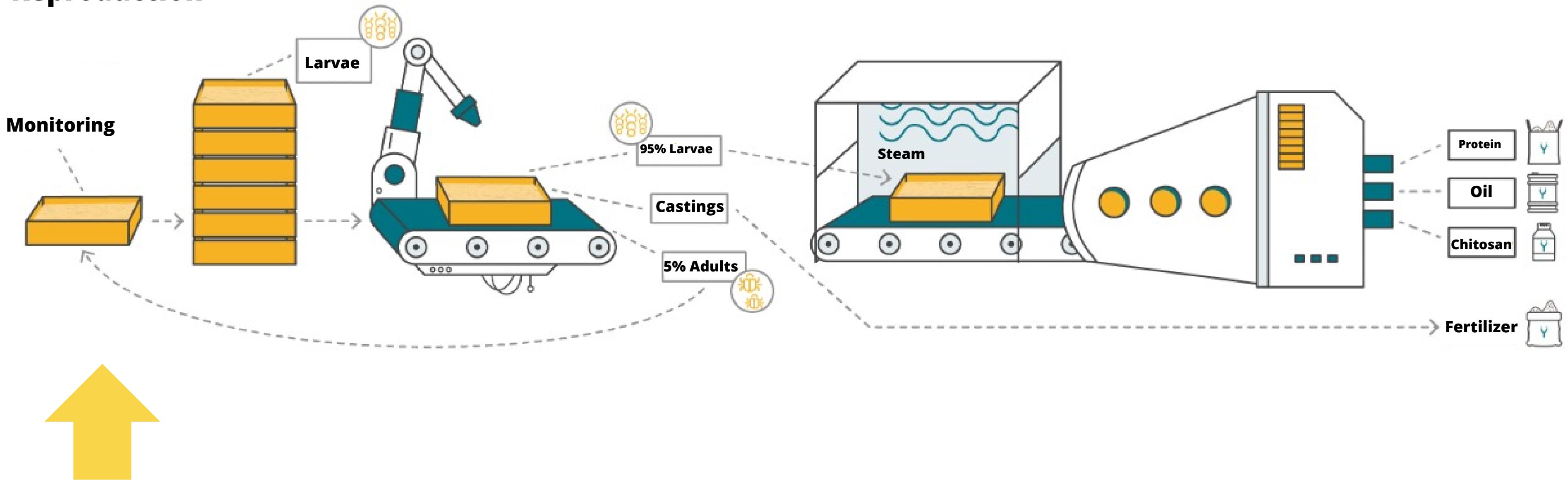
[Act-in Space, Challenges, 2022]

# OUR SOLUTION



# STEP-TO-STEP PROCESS

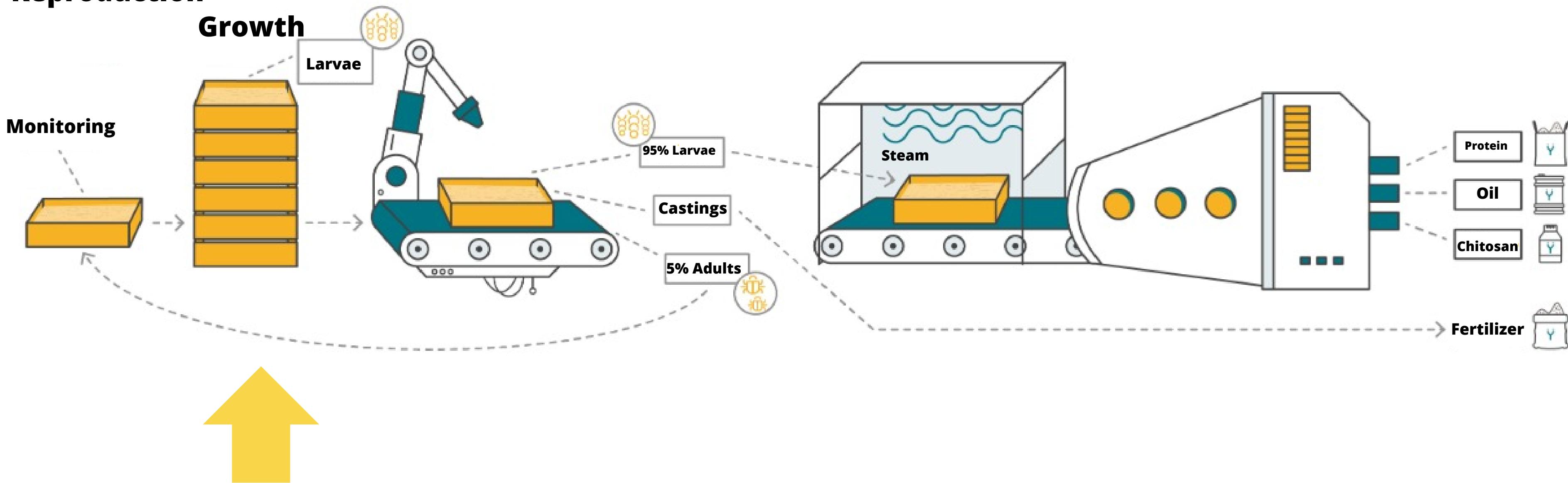
## Reproduction



[Ynsect, 2022]

# STEP-TO-STEP PROCESS

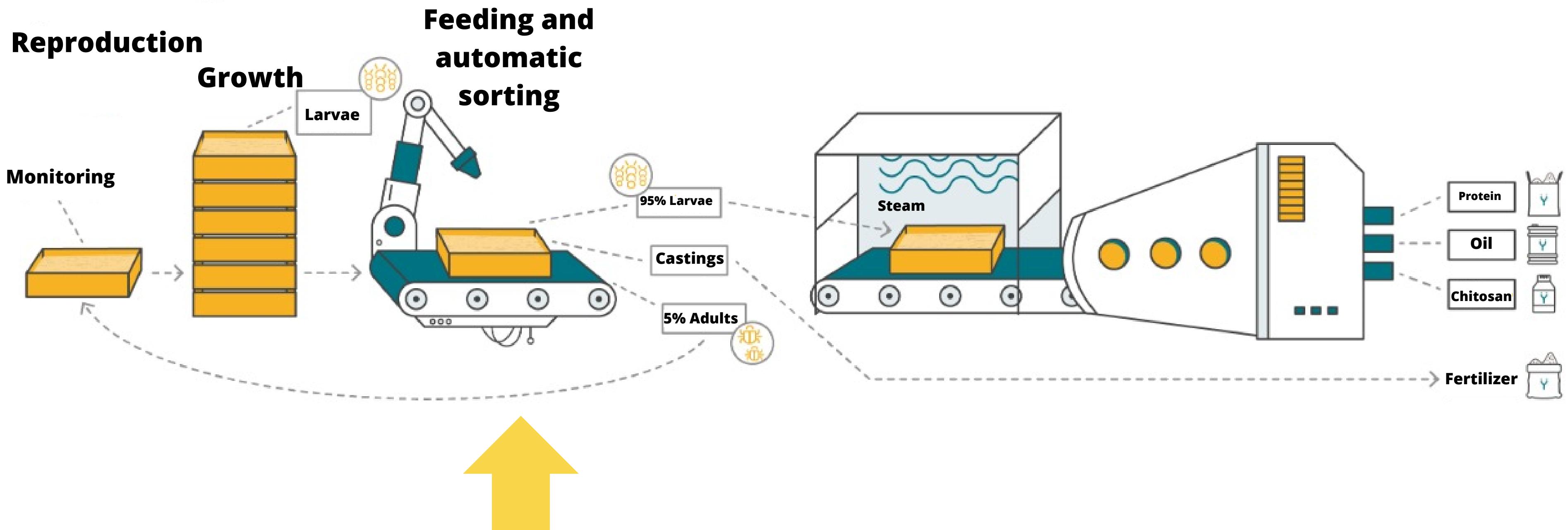
## Reproduction



[Ynsect, 2022]

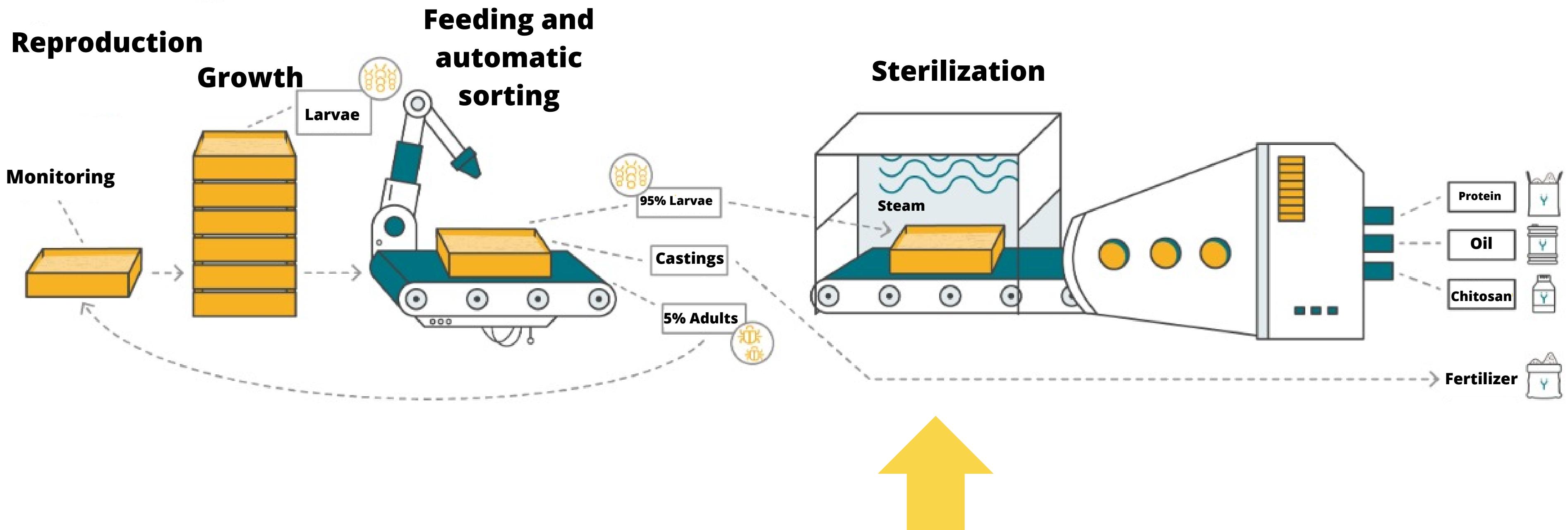


# STEP-TO-STEP PROCESS



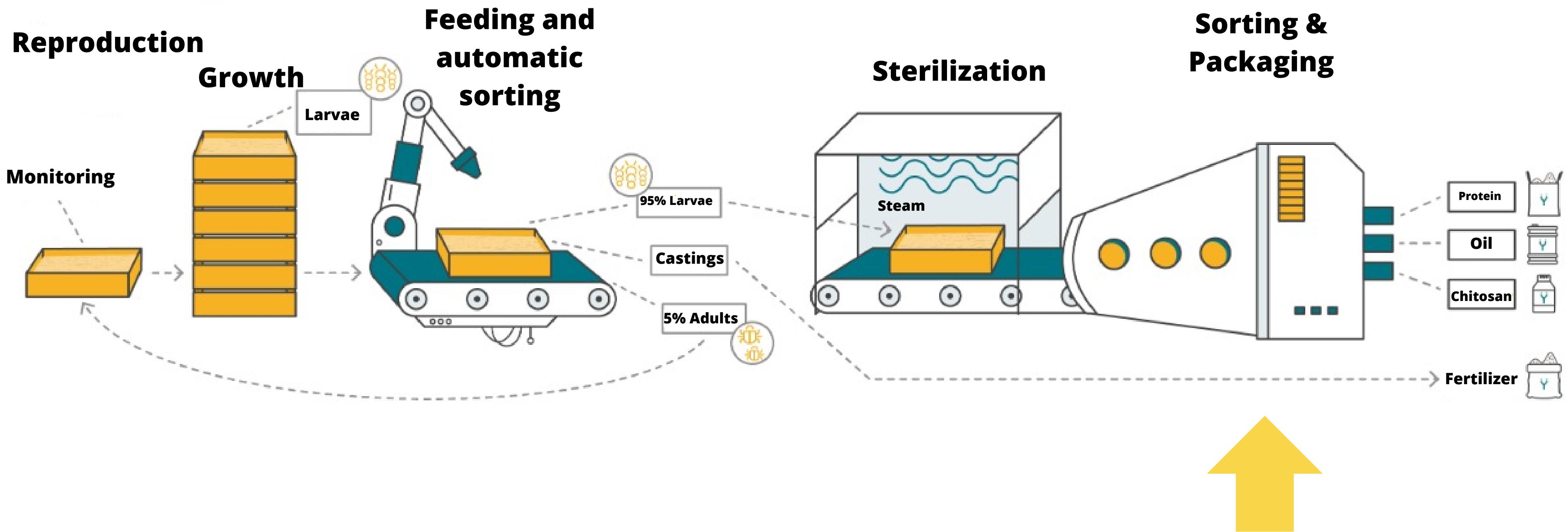
[Ynsect, 2022]

# STEP-TO-STEP PROCESS



[Ynsect, 2022]

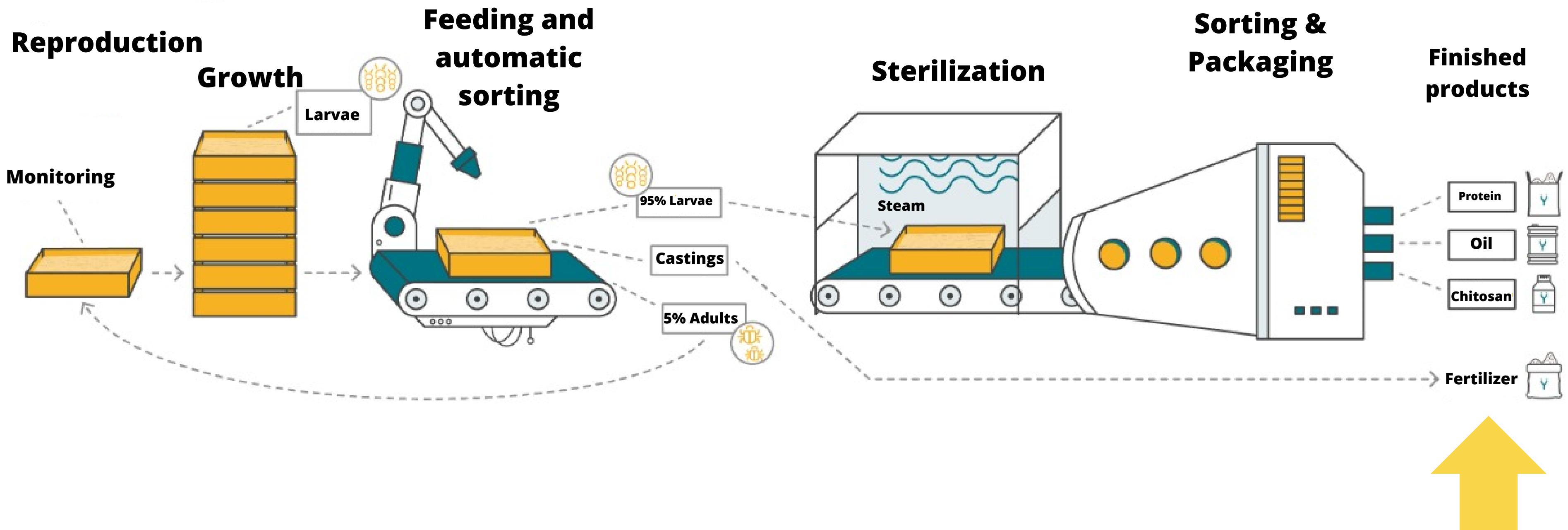
# STEP-TO-STEP PROCESS



[Ynsect, 2022]



# STEP-TO-STEP PROCESS



[Ynsect, 2022]





SCALEABLE TECHNOLOGY ON EARTH

# HIGHLY POLLUTING

- One of the root causes of deforestation
- 7.000 liters of water are needed to produce 1 kg of meat
- It is responsible for nearly 14.5% of greenhouse gases

[FAO, 2021]

# SCALEABLE TECHNOLOGY ON EARTH



95% less land would  
be required  
[Ynsect, 2022]



60% less food would  
be needed  
[Ynsect, 2022]

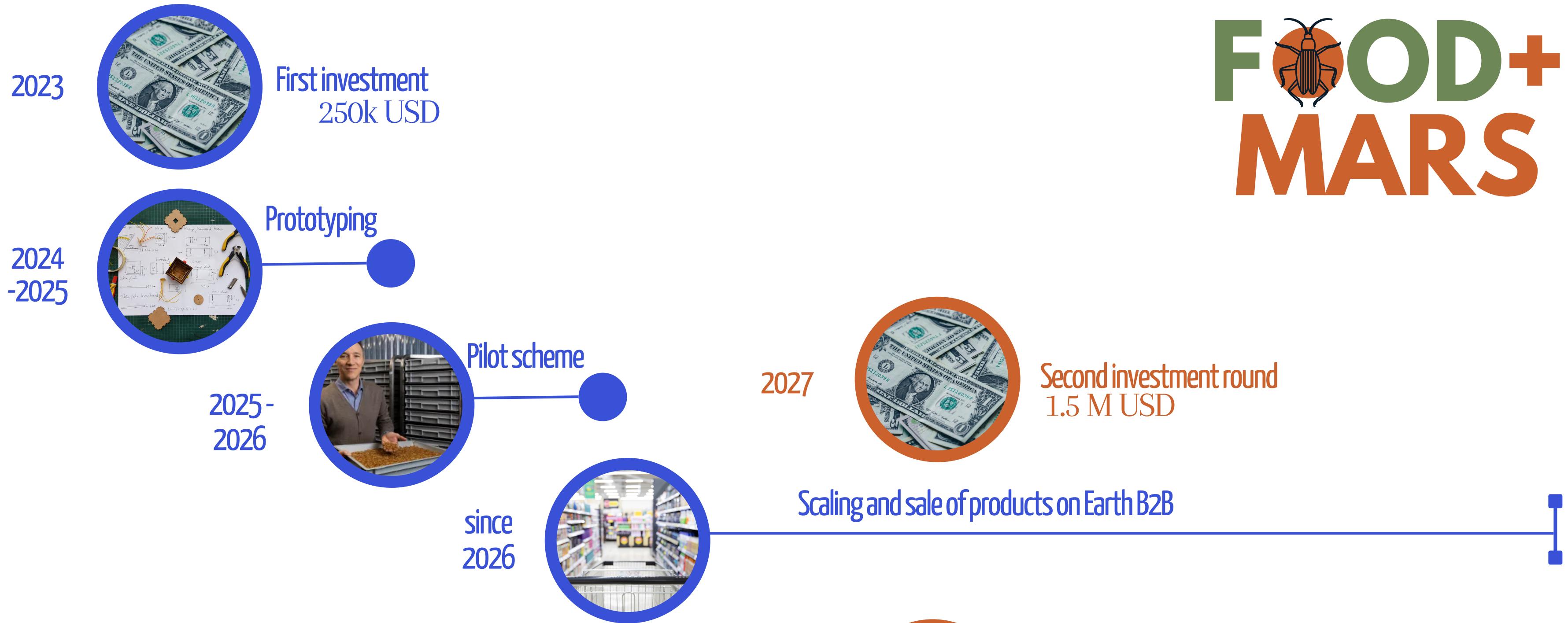


30% more protein  
in every meal  
[Ynsect, 2022]



Zero Hunger  
[UN. Sustainable  
Development Goals, 2022]

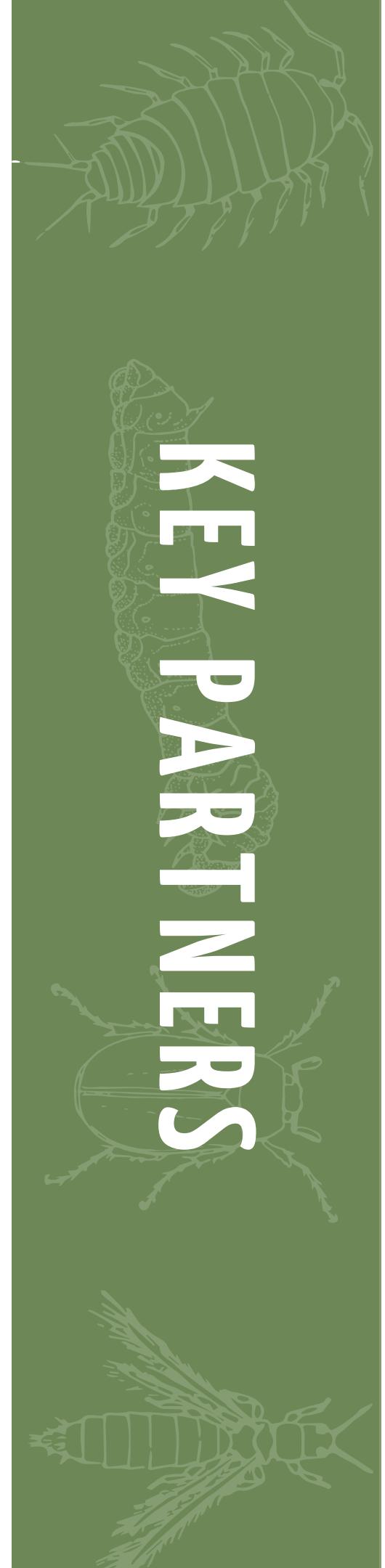
# FOOD+ MARS



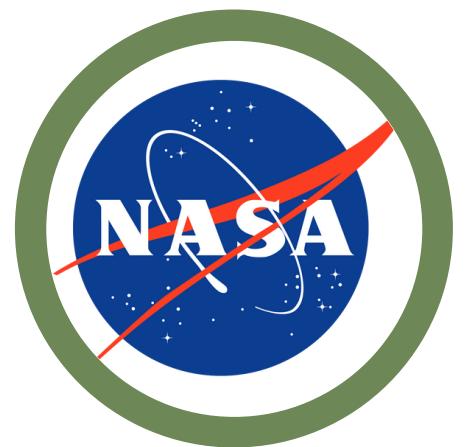
# FOOD+ TERRA



# FOOD+ TERRA



# FOOD+ MARS



# FOOD+

# SUBSTITUTE TECHNOLOGIES



|                       |  |  |  |
|-----------------------|--|--|--|
| Self-sustainable      |  |  |  |
| Animal Protein        |  |  |  |
| Scaleable to Earth    |  |  |  |
| Nature-based solution |  |  |  |

# The Team



## Paula

Mechatronics engineer, expert in financial and business model development, with experience in developing business.

## David

Computer scientist with expertise in aerospace information technology, with experience in technology development

## Felipe

Mechanical and mechatronic engineer with knowledge in computational molding and machine learning. Currently a student at the Technical University of Darmstadt in Germany.

## Santiago

Economist expert in circular economy and business administration with experience in developing financial models.

## Hernan

Mechatronics engineer, expert in prototyping and mechanical design



# ¡THANKS!



# Acknowledgements



Oscar Ojeda

AEROSPACE ENGINEER



Cristian Salinas

BIOLOGIST