

Nature's perfection,
amplified by technology.

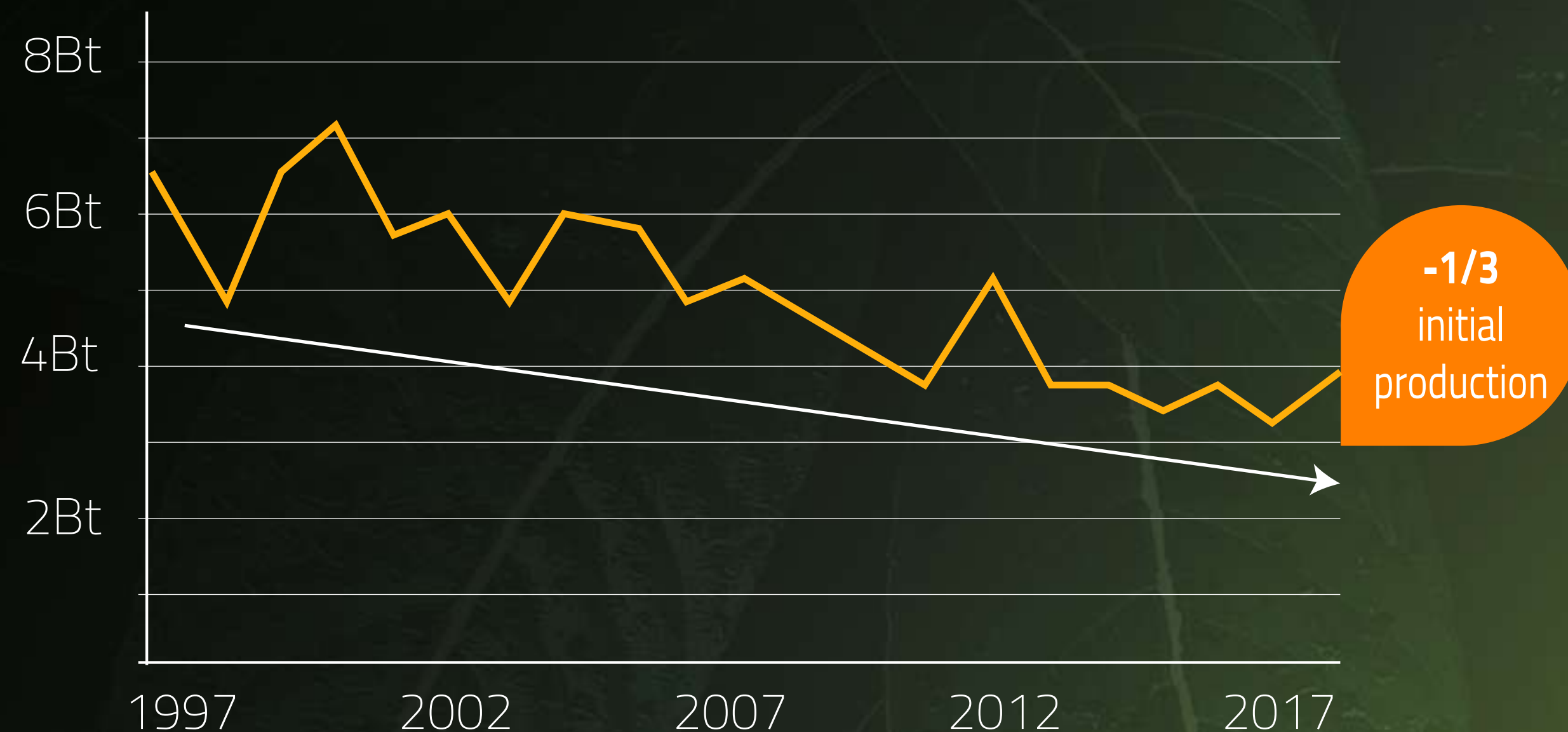
Improve efficiency and productivity
in BSF fly farms.



The amount of fish caught each year is 20 times the amount of fish grown.

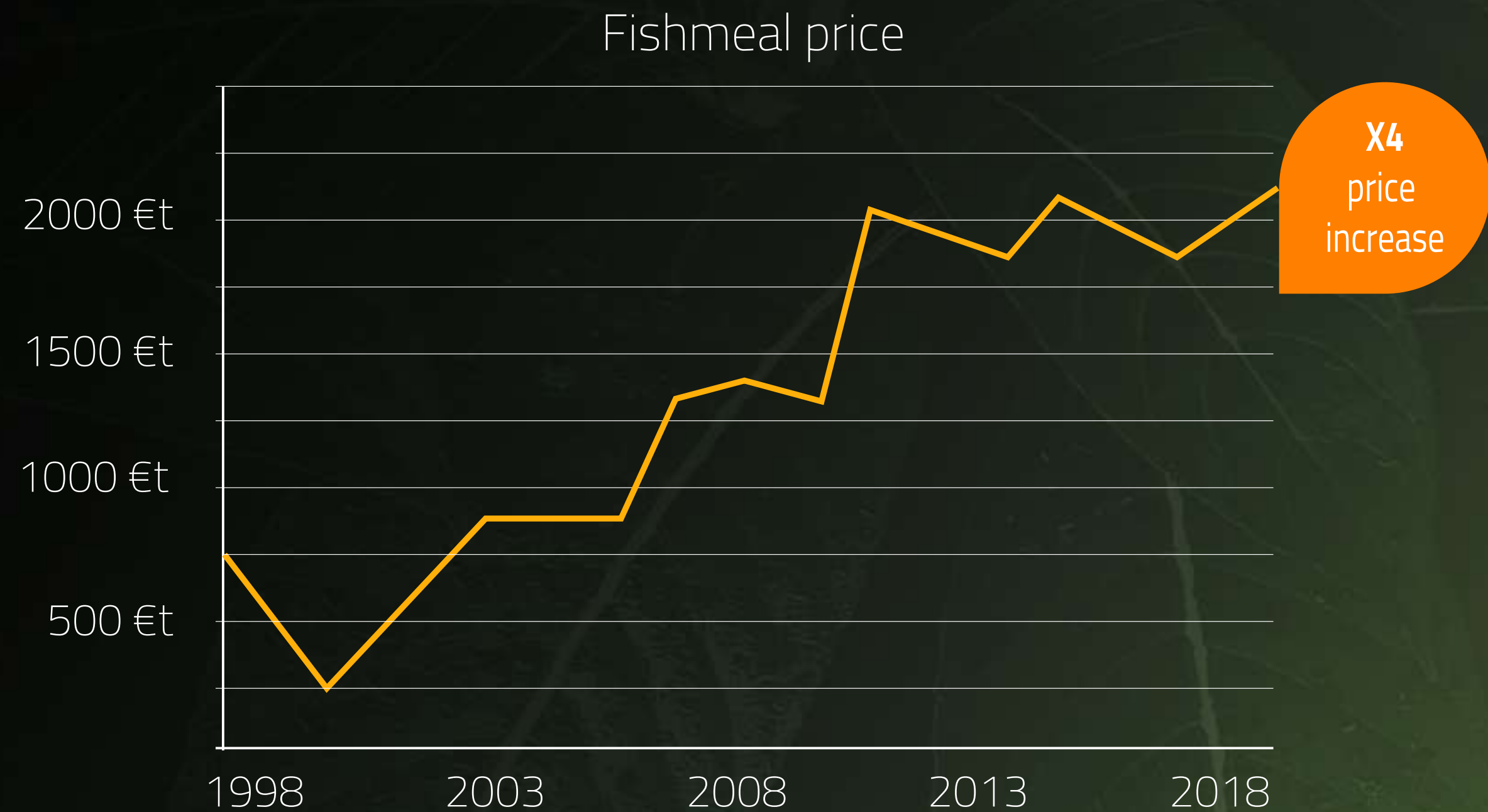
This is an unsustainable trend for our oceans and consumption is steadily increasing.

Fishmeal availability

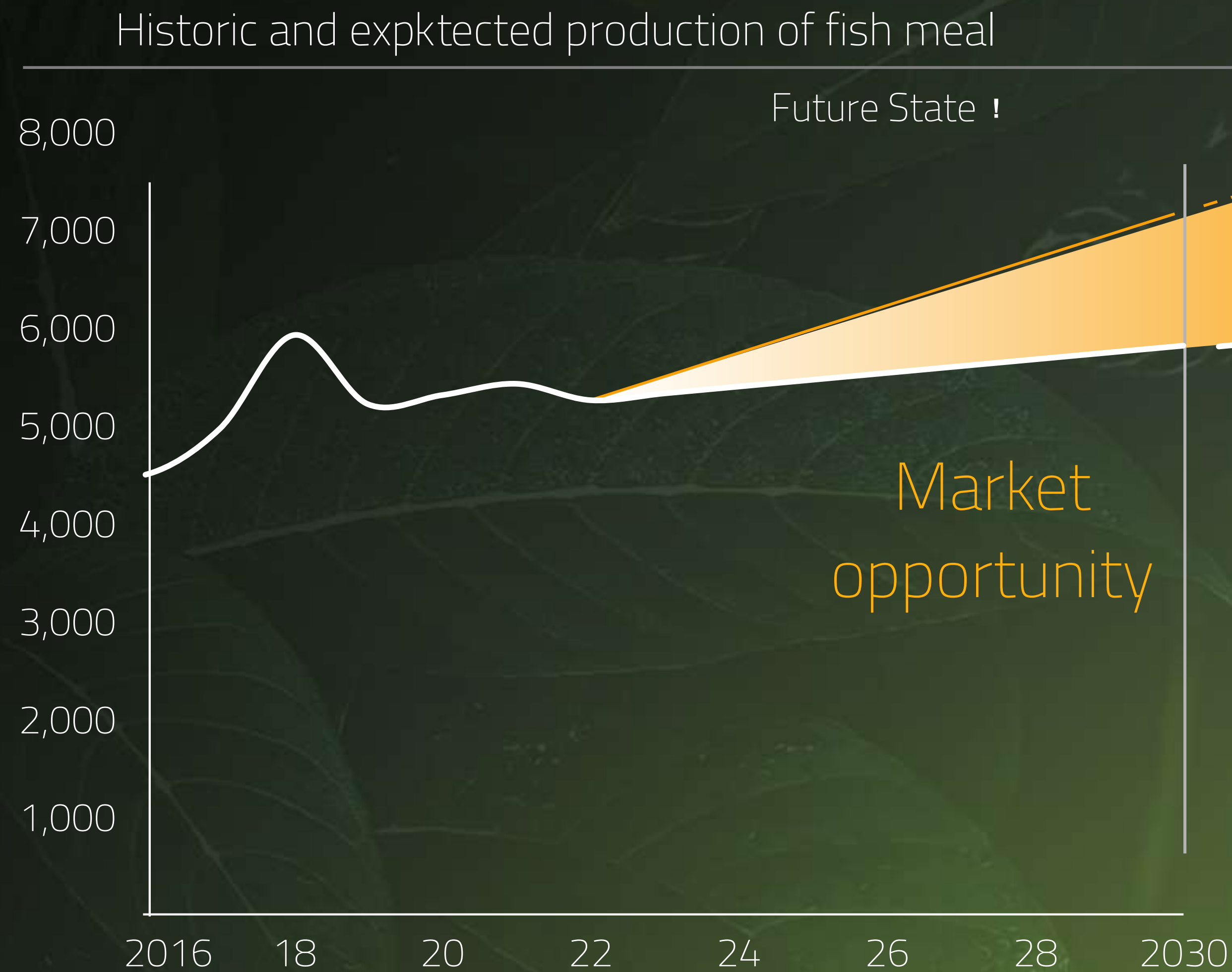


Fishmeal is essential for protein supply in feeds and **indispensable for increasing fish farming.**

Low availability of fishmeal is an opportunity **for alternative proteins.**



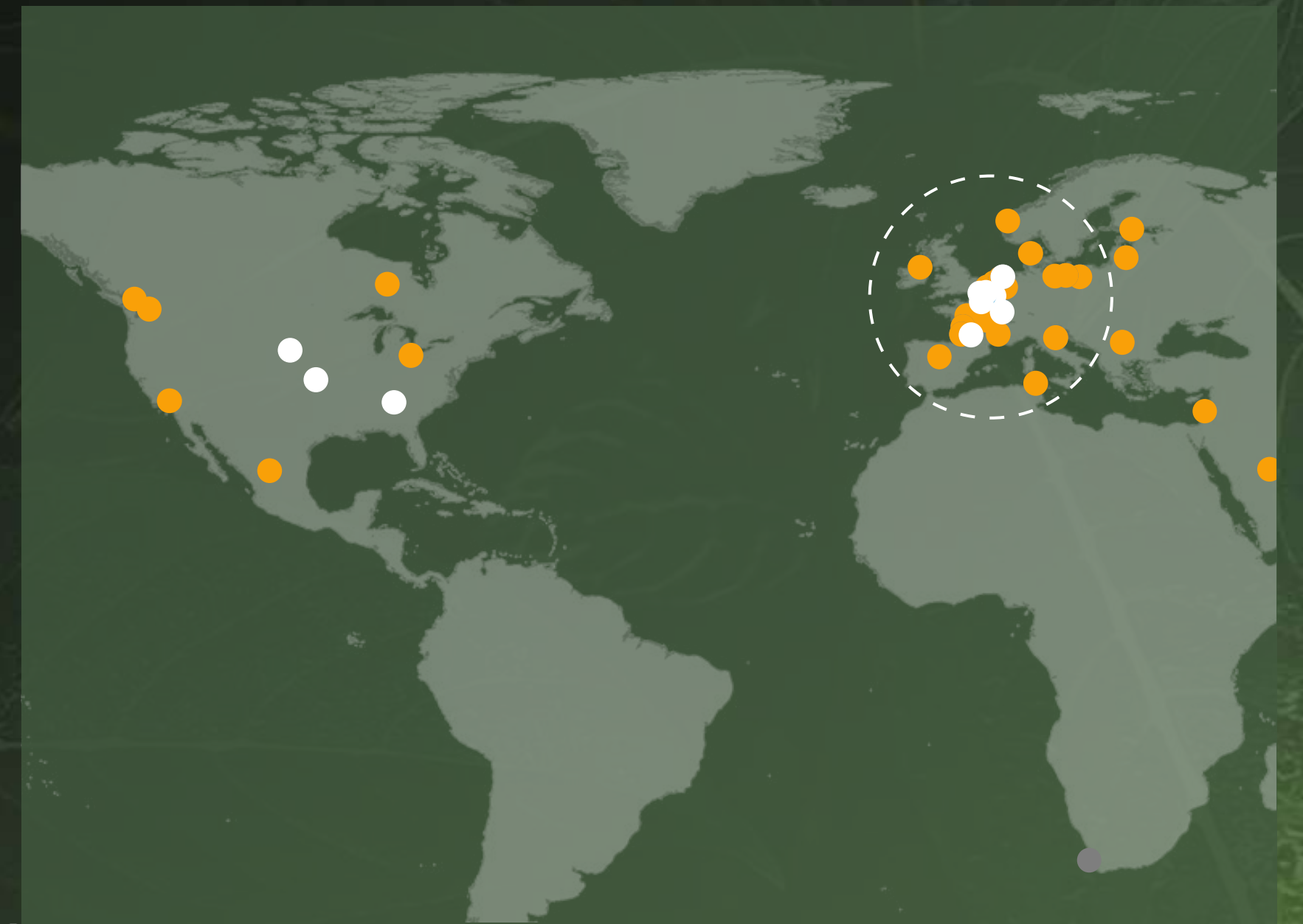
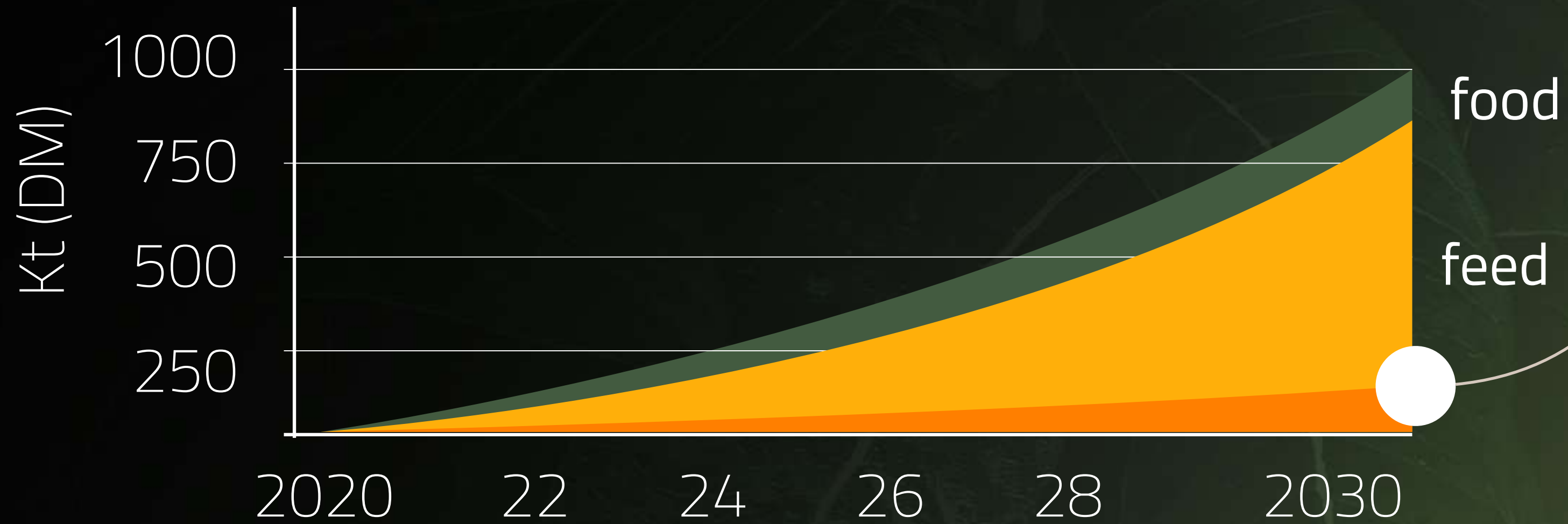
By 2030 there will be
In Europe a **>1000Kt**
gap in fish protein
supply for
aquafeed



Insect protein production

Feed market

CAGR 2020-2030 49% = + 800 Insect farm



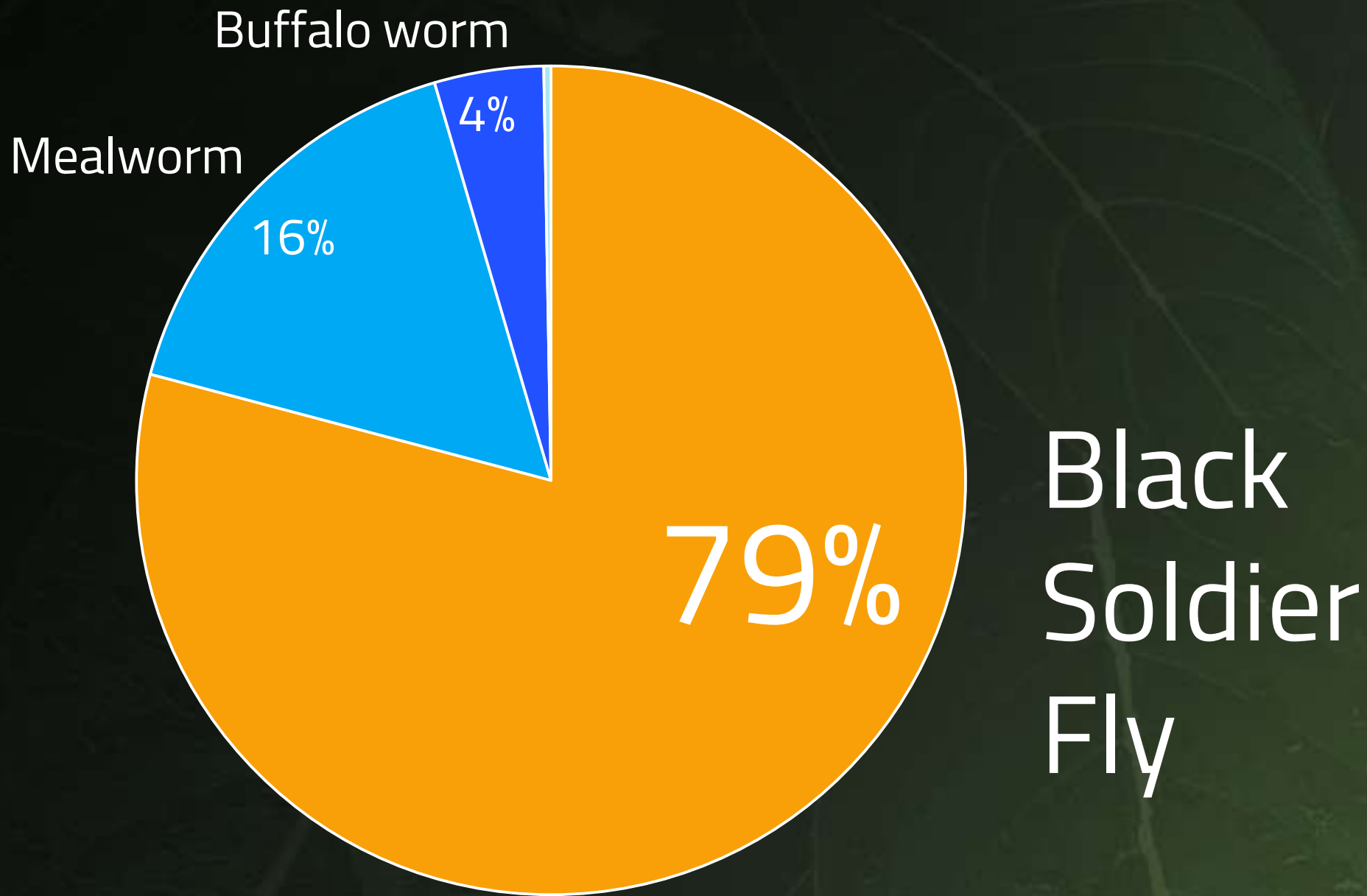
Kinsect SOM EU 2030

180Kt (8 plants)
€85M

(EU market share 22%)

Insect proteins for feed have a carbon footprint ten times smaller than plant alternatives and compete with fishmeal.

Breakdown per insect species raised, %, share of installed capacity



There will be no room for low-tech breeders. **The market challenge is scaling up production.**

Actual Production

100K_{ton/y}

Estimate Production 2030

1MK_{ton/y}

Actual Price

6€_{/kg}

Price 2030

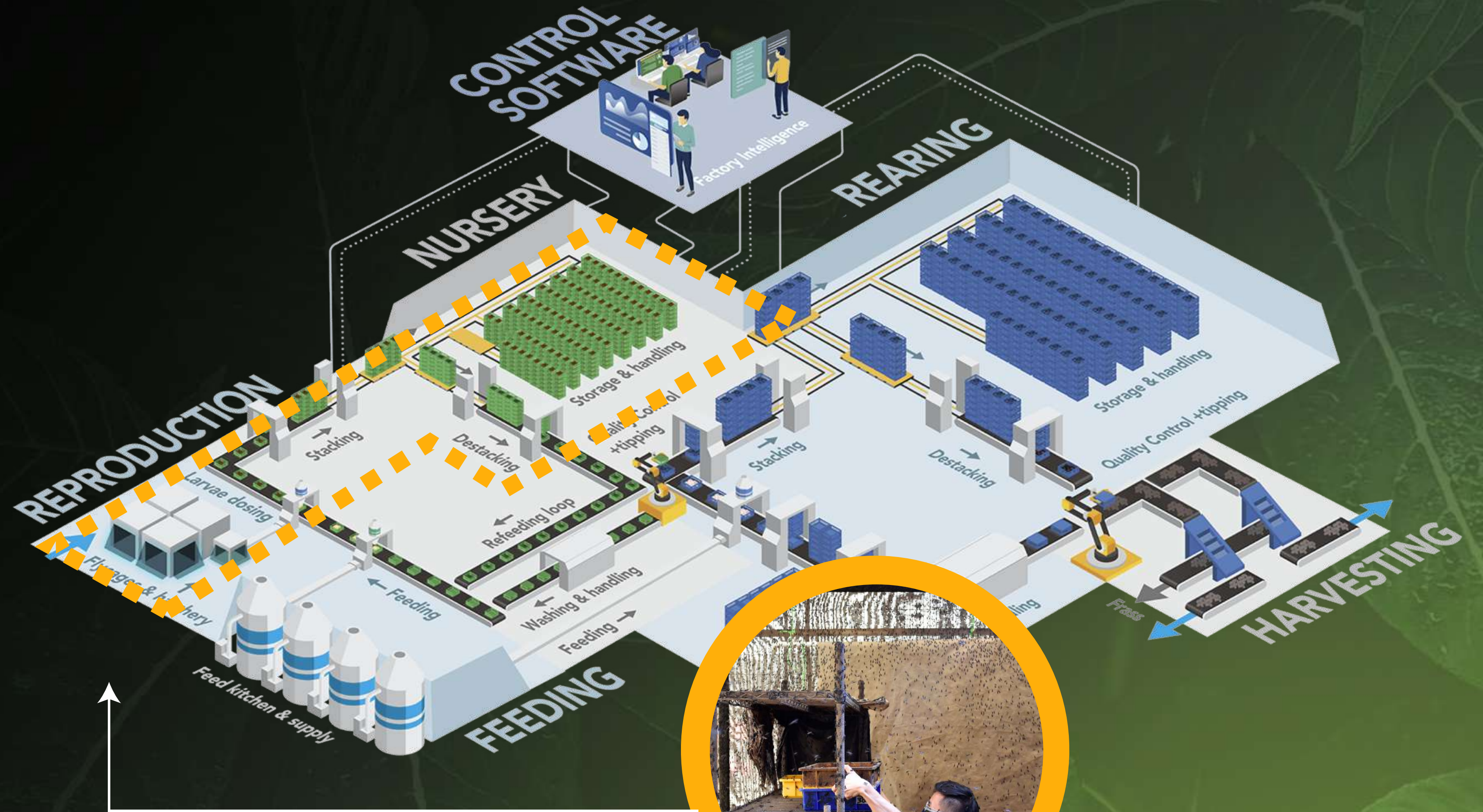
3,5€_{/kg}

On farms there is a bottleneck unattended by large industrial groups. **Reproduction and nursery, processes are still manual.**



BSF farm

Plant



Nursery

Nursery e Reproduction: 35/40% of the production area, value 1-20 M€. Operated by people on 3 shifts 24/7

We have developed technology and automation to amplify the natural mating process.

Now we can reduce costs and risks.



2 Italian patents granted
and a 1 PCT filed in
Europe.

x3

Flies m3

16%

Shorter cycle

10X

productivity m2

-40%

Operative cost

Eggs collector

1

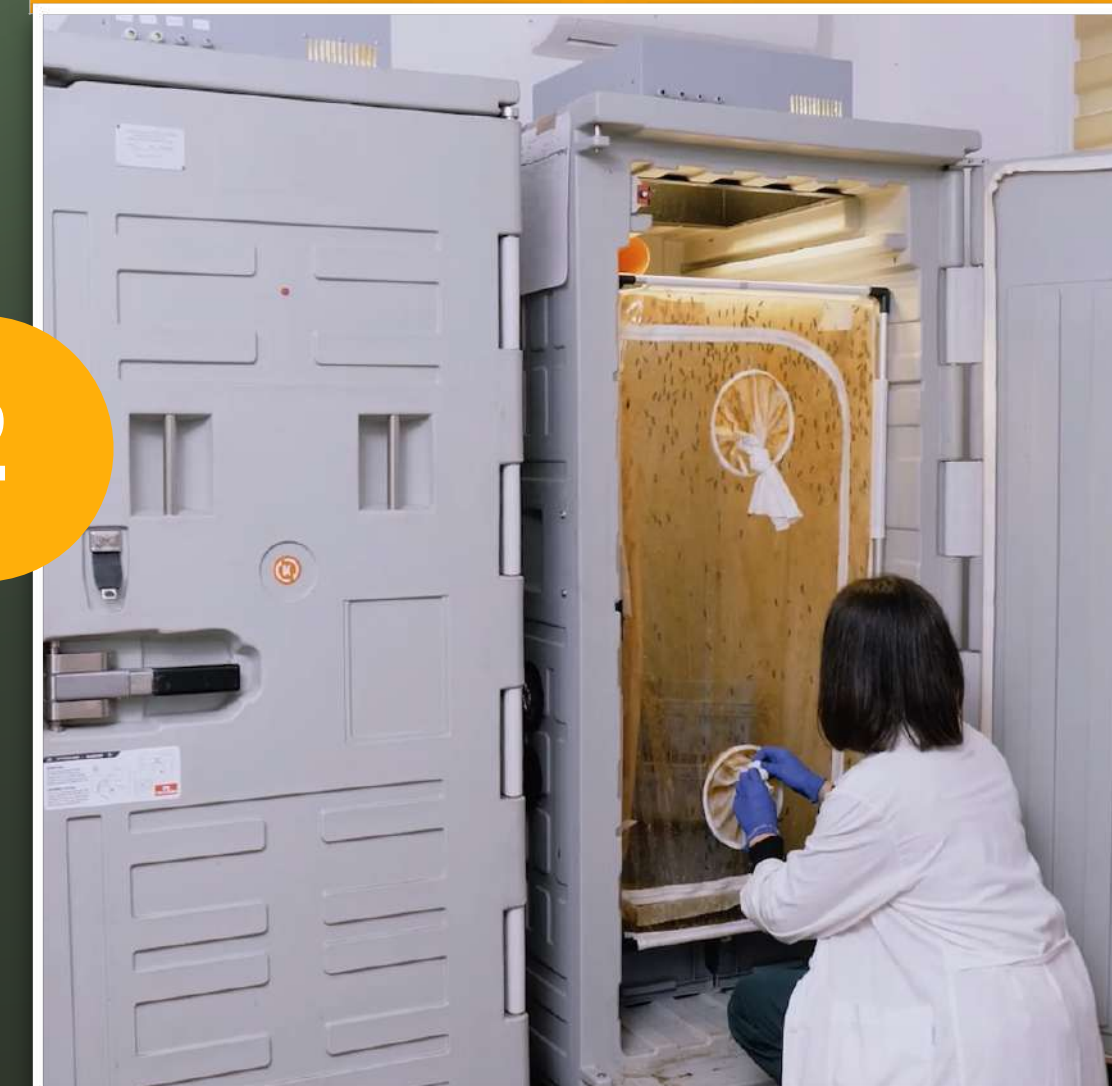


Patent
80% Kinsect
20% University

Commercial use granted
for the company

Flight chamber

2



Patent
100% Kinsect

Case study

Plant 1500t/y - Revenue 6.4 M€

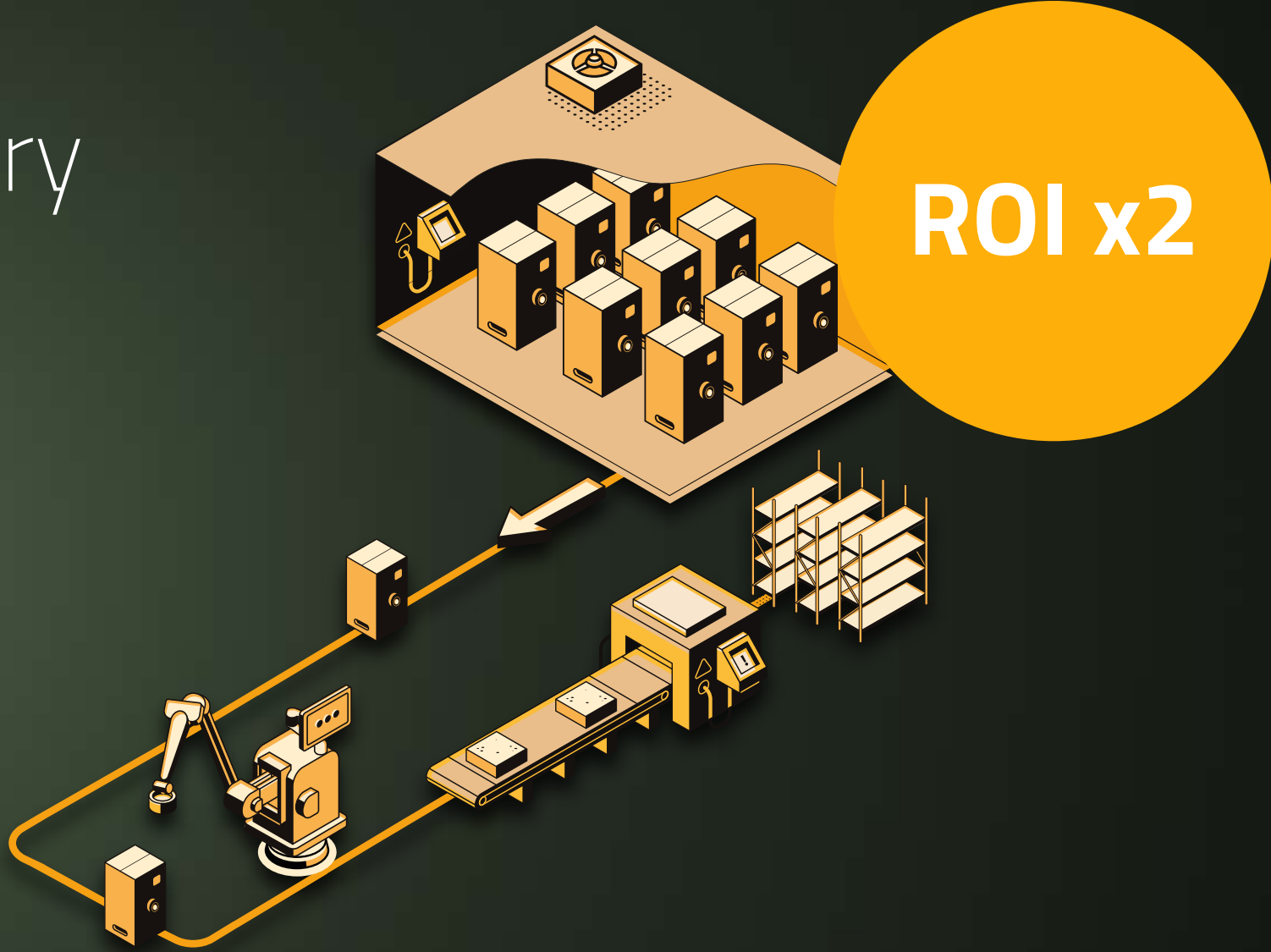
Conventional Nursery reproduction



Investment 650 K€
Operative costs 170K€/Y
ROI +10Y

VS

Kinsect Nursery reproduction



Investment 750 K€
Operative costs 102K€/Y
ROI 5Y

- constant production
- high level of bio-safety
- higher productivity m2

Unique selling proposition (USP)



Fly density 3X



No human-insect contamination bio safety 2



Batch programmable productivity

Productivity (flies/m²)

● INSECT SYSTEM ● Syntom BSF

● INSECT Engineers

● EVO Conversion system



kinsect

Operating costs savings (%)

Commercial and business development side, the team has an established experience. Technically we have specific skills and experience in automation of large industrial groups.

Business development



STEFANO
GUERRIERI

CMO

Serial entrepreneur.
International
communication and
marketing expert



GIOVANNI ANDREA
FERRARI

Administrative manager

Expert in business
management and
business networking

Technological development



Ph.D GIACOMO
BENASSI

CEO

PhD and
Entrepreneur,
developer of insect
technologies since
2015



Ing. MARCO BENASSI

CTO - Co-founder

electronics engineer
with 20+ years of
experience in industrial
automation

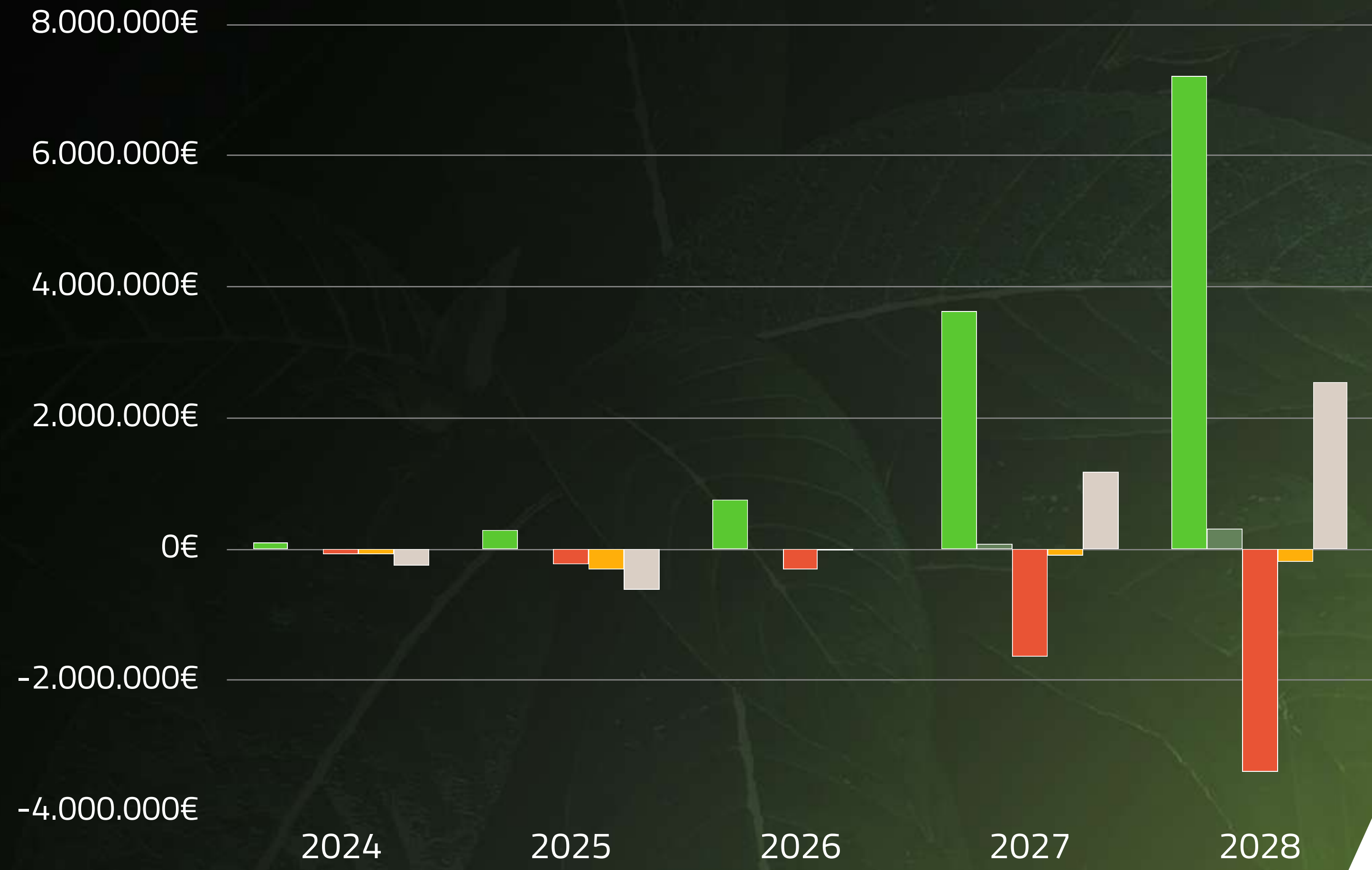


GIULIA PINOTTI

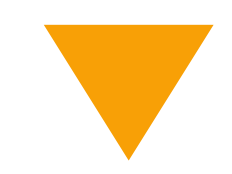
Entomologist

Agricultural scientist with
experience in the breeding
of in the breeding of BSFs
since 2015.

■ Sales revenues
 ■ Maintenance Revenues
 ■ COGS + G&A
 ■ R&D
 ■ EBITDA



Technology
Strategic Partnership



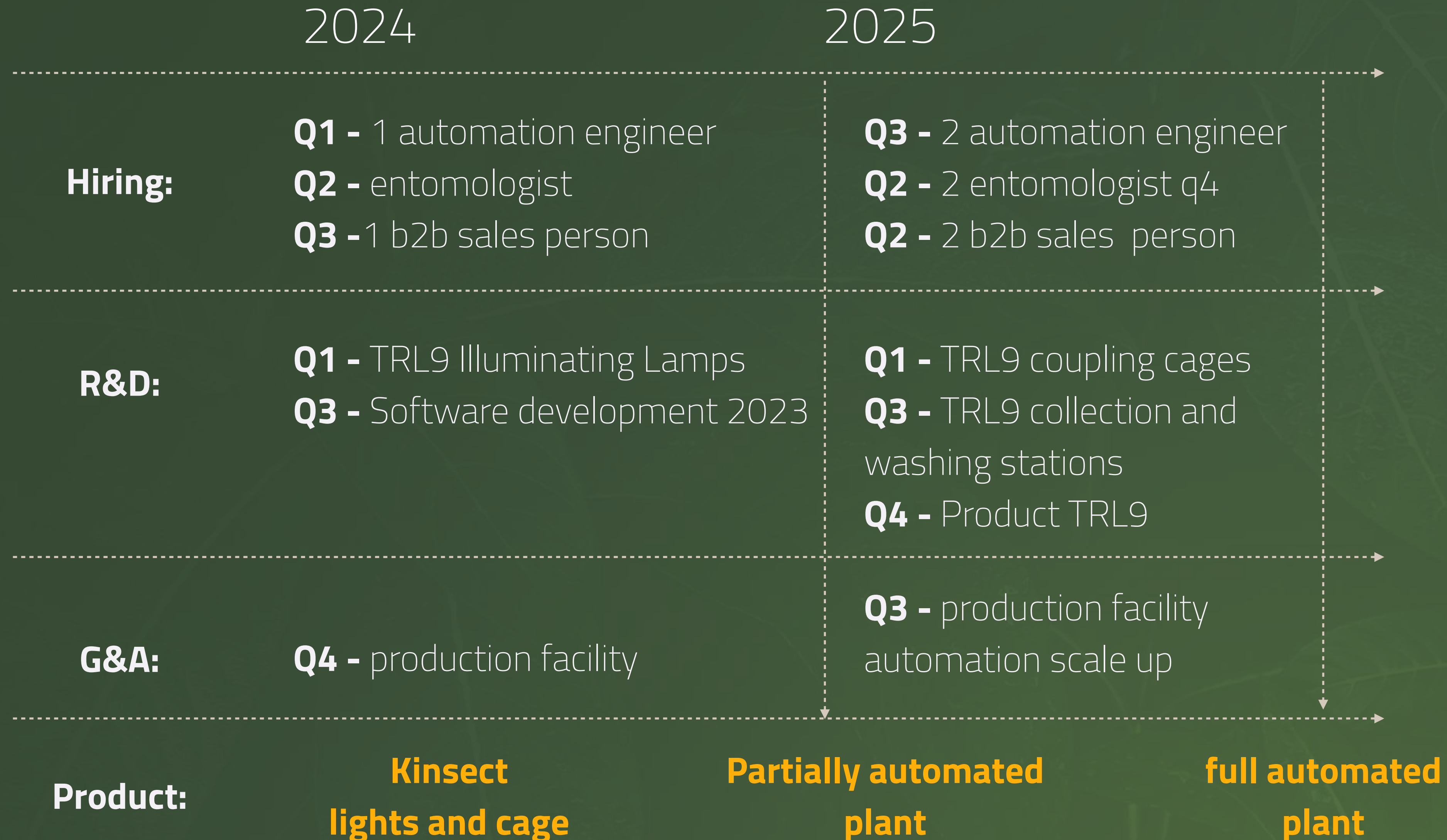
Insect farms



Mile stone

- TRL7 Pilot Plant
- IP Depot
- Horizon project
- EIC grant phase 1

Road map



Join the challenge!

Target collection of funds rising 850K€.

Prospect Client

PROTEIN  ITALY

LIVIN
farms

Industrial Partner

 Domotrick

AGROXX
smart farming

FRIGOR-BOX®

 PROGEO

Investors

cdp 
Fondo Nazionale Innovazione
CDP Venture Capital Sgr

CARIPLO  FACTORY
OPPORTUNITÀ INFINITE

FOREST
VALLEY
INSTITUTE

 INDUSTRIAL
GRAPHICS

R&D

 UNIMORE
UNIVERSITÀ DEGLI STUDI DI
MODENA E REGGIO EMILIA

CRPA 

 PoliHub
Innovation Park
Startup Accelerator



Nature's perfection,
amplified by technology.

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R&D Partner



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