



POLLINATE THE WORLD WITH GOOD

January 2023





FORWARD LOOKING STATEMENT

This presentation was prepared by Bee-io honey Ltd. (the “Company”) and is given to you only for the provision of concise information for the sake of convenience and may not be copied or distributed to any other person.

The data and information included in this presentation should not be interpreted as advice and should not be relied on for any purpose. Such data and information should not be copied or used except as expressly permitted in writing.

This presentation does not purport to be comprehensive or to contain any and all information which might be relevant in connection with the making of a decision on an investment in securities of the Company. No explicit or implicit representation or undertaking is given by any person regarding the accuracy or integrity of any information included in this presentation. In particular, no representation or undertaking is given regarding the realization or reasonableness of any forecasts regarding the future chances of the Company.

To obtain a full picture of the activities of the Company and the risks entailed thereby, see the full immediate and periodic reports filed in connection with the Company with the Israel Securities Authority and the Tel Aviv Stock Exchange Ltd., including warnings regarding forward-looking information, as defined in the Securities Law, 5728-1968, included therein.

The forward-looking information in the presentation may not materialize, in whole or in part, or may materialize differently than expected, or may be affected by factors that cannot be assessed in advance. For the avoidance of doubt, it is clarified that the Company do not undertake to update and/or modify the information included in the presentation to reflect events and/or circumstances occurring after the date of preparation of the presentation.

This presentation is not an offer or invitation to buy or subscribe for any securities. This presentation and anything contained herein are not a basis for any contract or undertaking and are not to be relied upon in such context. The information provided in the presentation is not a basis for the making of any investment decision, nor a recommendation or an opinion, nor a substitute for the discretion of a potential investor.



HONEY

Honey and bees have been inextricably linked since time immemorial





Until now...

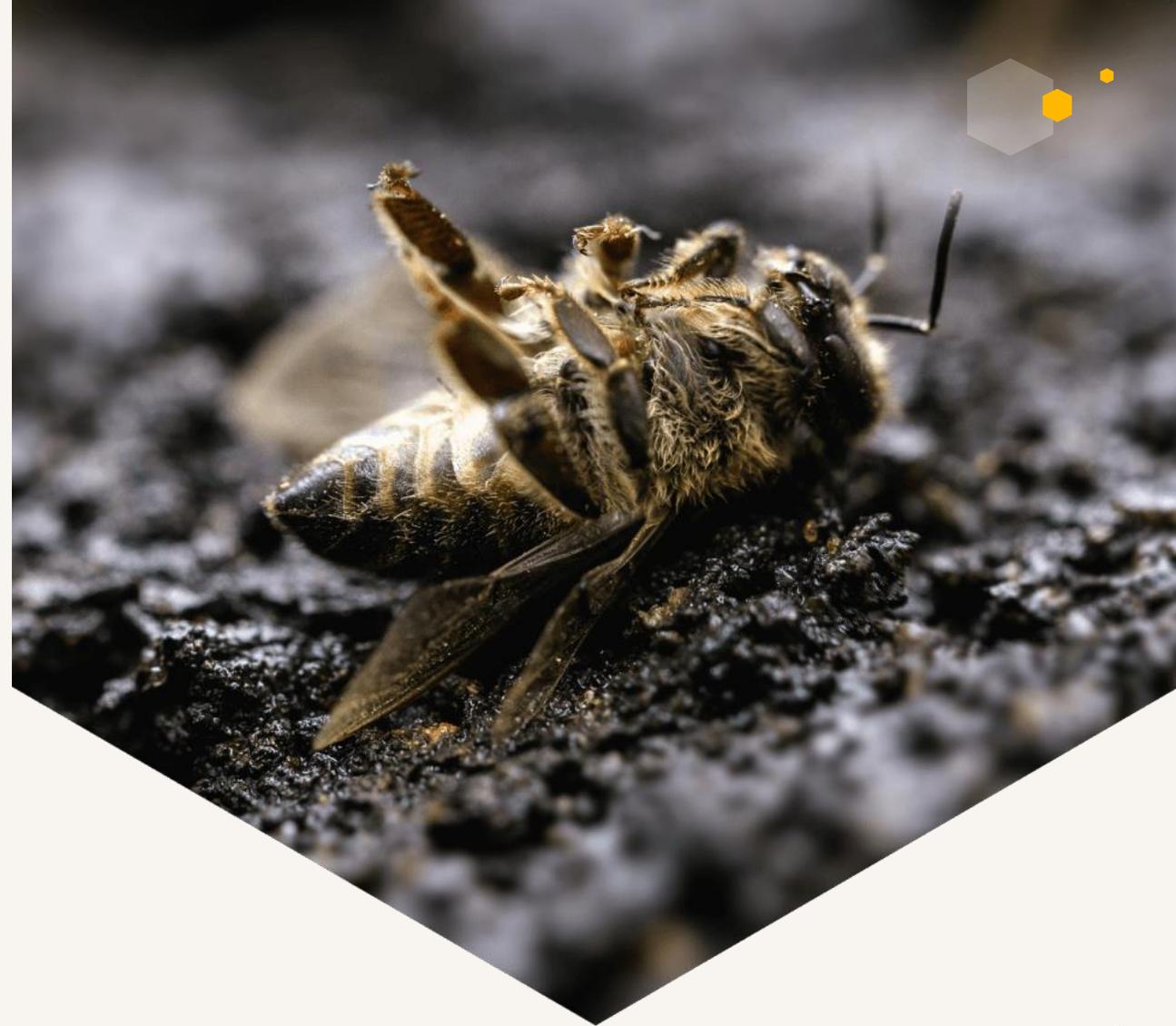




With nearly

1/3

of the bee population going extinct in
the last 2 decades



Source: beeinformed.org/2021/06/21/united-states-honey-bee-colony-losses-2020-2021-preliminary-results/



And Honey consumption on the rise

- The global honey market size was valued at **8.6 billion** USD in 2021.
- Honey market size is expected to reach **13.57 billion** USD in 2030.
- Expected compound annual growth rate (CAGR) of **5.2%**.

5.2%
per year

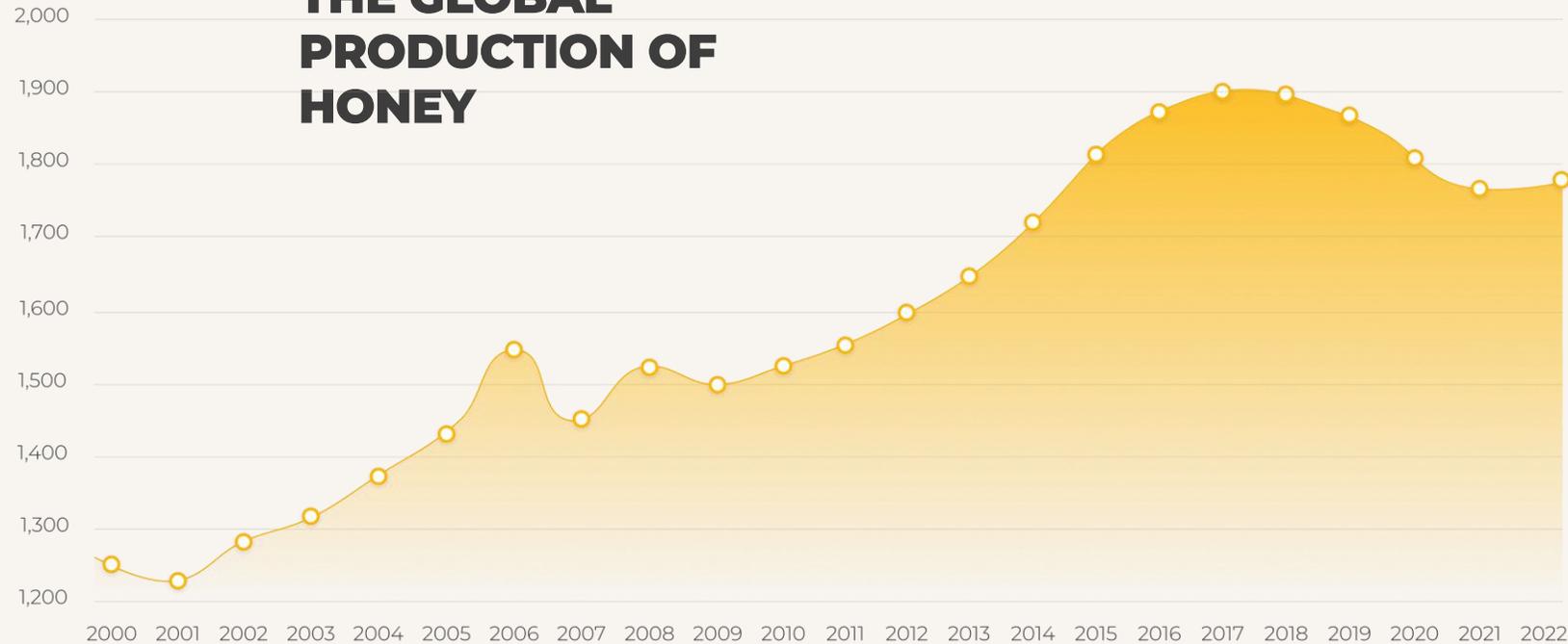


Source: Honey Market Size, Share, Industry Report, 2022-2030"



There is a unique opportunity for cultivated honey

THE GLOBAL PRODUCTION OF HONEY



Production volume of natural honey worldwide from 2000 to 2020 (in 1,000 metric tons)*

Source: Honey Market Size, Share, Industry Report, 2022-2030"



HONEY PRODUCTION PROCESS TODAY



01

Collecting nectar.
Time consuming process

02

Transformation of nectar to honey in the stomach of the bee.



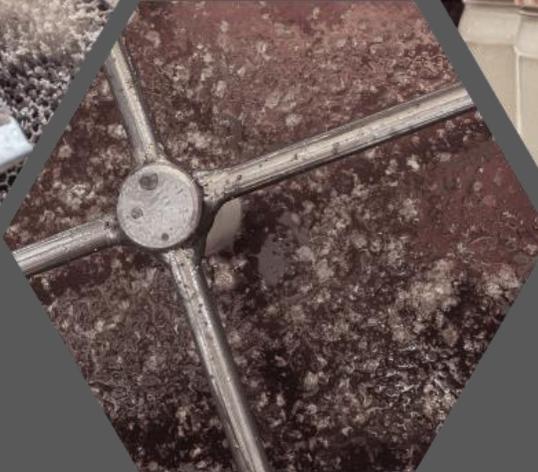
03

Collecting honeycomb



04

Honey processing



05

Final product



- This time-consuming process has not changed for decades
- Highly sensitive process which depends on many unexpected changes



MAY OCCUR IN COMMERCIAL HONEY



01

Spraying the fields
With chemicals

02

Giving antibiotics
to bees



03

Feeding the
bees with
sugar water





Meet bee-io

**Honey that's as good for
bees as it is for people.**



THE BEE-IO TECHNOLOGY

01

Mimicking the molecular structure of honey, so that the product contains among others:

PROTEINS

Proteins produced by precision fermentation that mimic the honey-stomach of the bee

PLANTS

Nectar components produced from plants

02

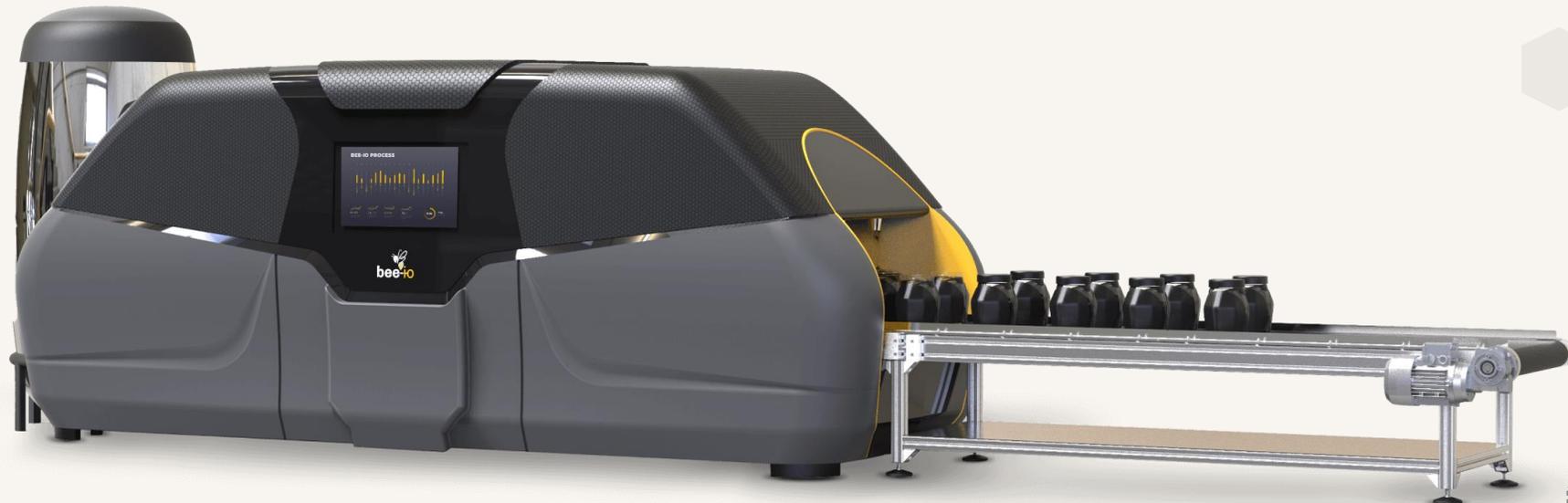
Bee-io processing

Transforming the different components into honey using BEE-IO's innovative biosynthesis

03

Cultivated honey

Our honey is ready! Without harming bees and with similar honey taste, texture and aroma





BEE-IO: COMBINING THE BENEFITS OF PURE HONEY AND VEGAN HONEY

BENEFITS	PURE HONEY	VEGAN "HONEY" SUBSTITUTES	BEE-IO HONEY
Sustainable, Bee less	✗	✓	✓
No piscicides and no antibiotics	✗	✓	✓
Year-round production and short production time	✗	✓	✓
Cost reduction	✗	✓	✓
Without spores	✗	✓	✓
Honey varieties	✓	✗	✓
Medical properties such as antimicrobial activity	✓	✗	✓
Nutritional values	✓	✗	✓
Honey texture / flavor / aroma	✓	✗	✓

Currently, the company is yet to conduct medical research confirming the health benefits and nutritional values of its cultivated honey product.



INTELLECTUAL PROPERTY

Flower nectar components production

2
Patent pending



2
Patent pending

Cultivated honey production

Cultivated royal jelly production

1
Patent pending



1
Patent pending

Low glycemic index honey production

The company has an additional patent pending for developing cultivated buffalo milk and its products without the use of animals and in a sustainable manner.

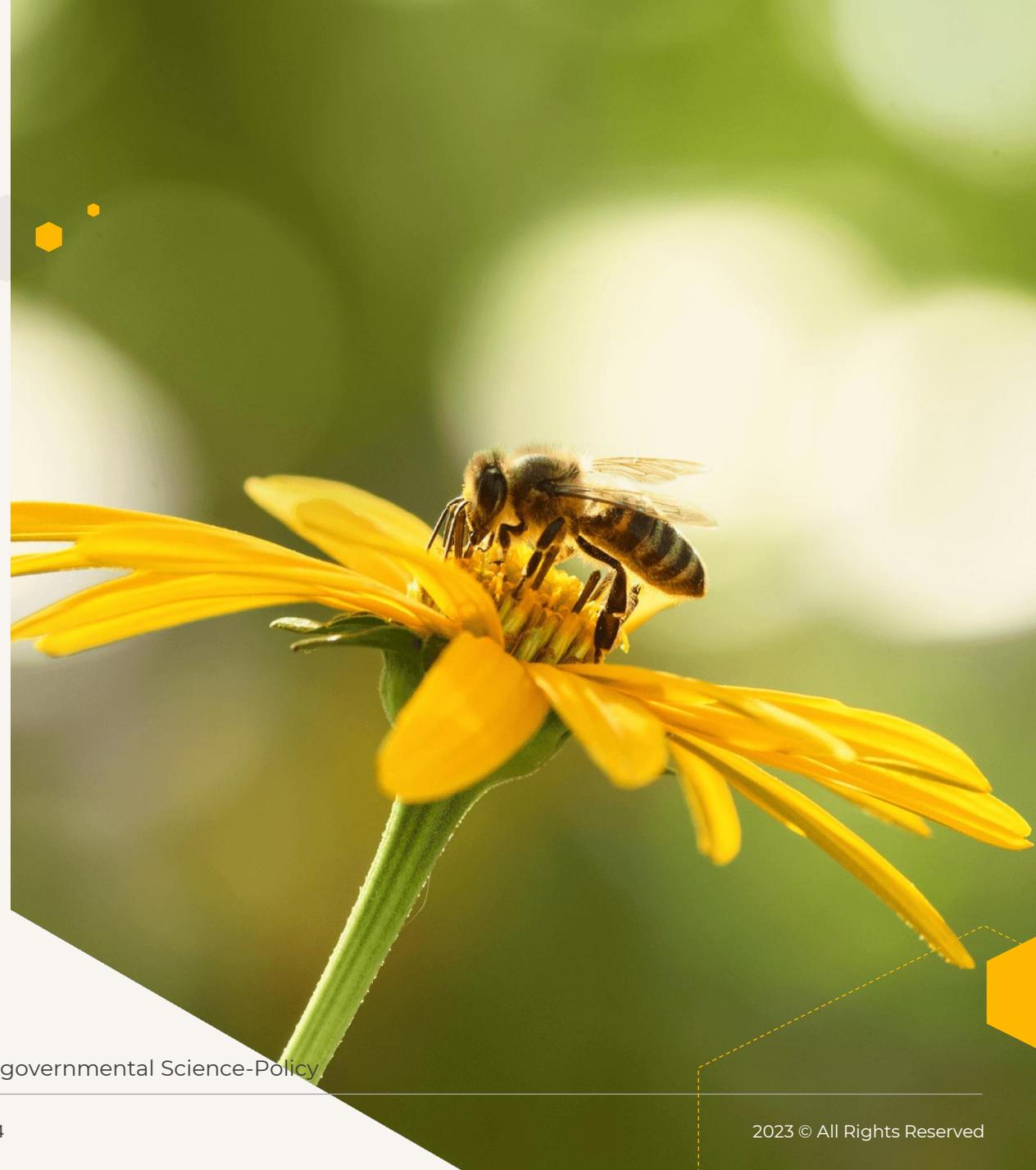
*The company has filed 7 provisional patent applications and currently has no registered patents.



Bee-io technology can free the bees that make the food that feeds the planet

The main role of bees- pollination

Bees are perfectly adapted to pollinate. Bees are responsible for 75% of world's crop pollination and 90% of world's wild flowering plants.



Source: IPBES (2016): Summary for policymakers of the assessment report of the Intergovernmental Science-Policy



BUSINESS PLAN



“OCCUPY SUPERMARKET SHELVES” OUR B2B2C MODEL

- Premium quality honey
- Variety of honey products
- Available all year long
- Could eliminate the need for importing honey
- Could allow lower prices



*Currently, the company conducting research and development and is yet to embark on commercial production.



“BEE-IO INSIDE” OUR B2B MODEL

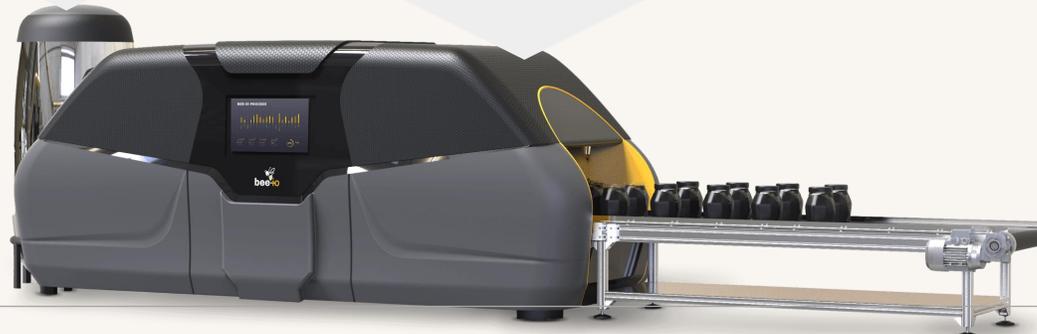
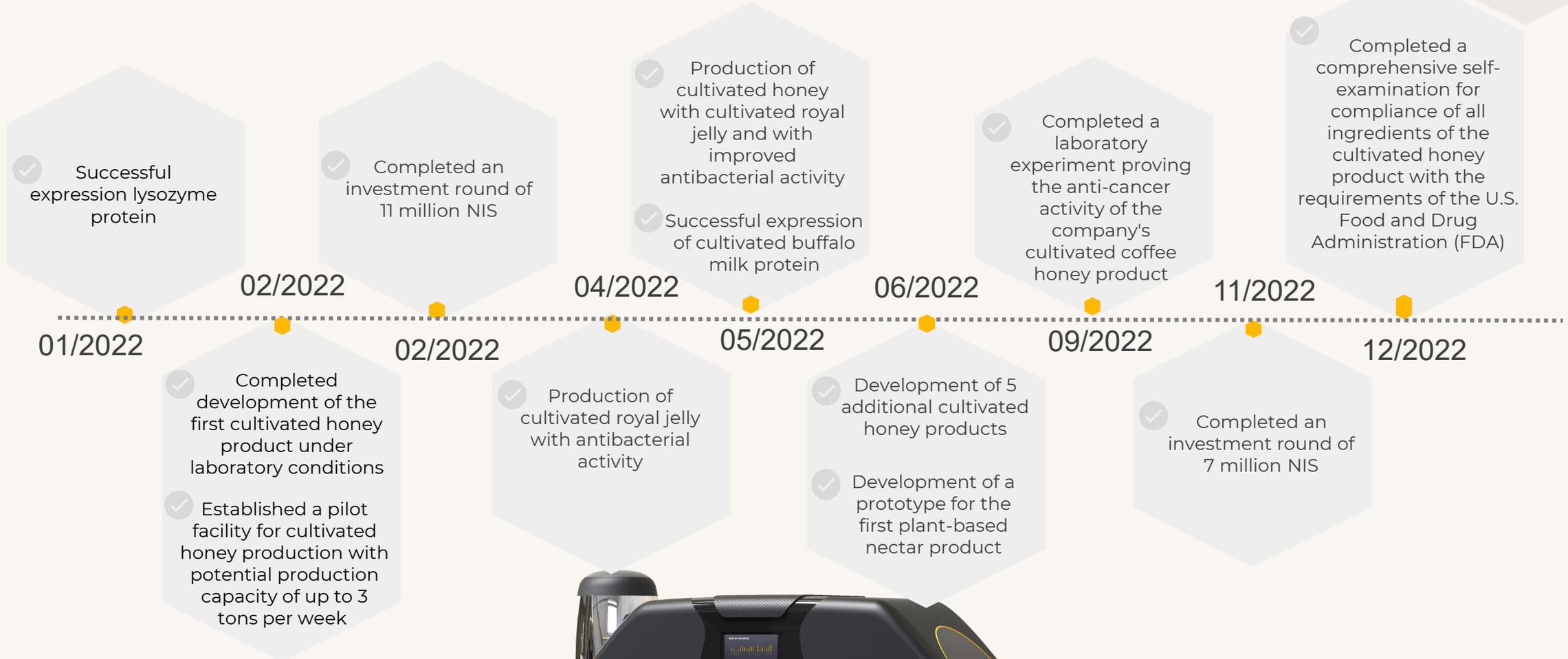
- High volume and constant production of premium honey
- Available on demand
- Short production time
- Compatible with the complete industrial process and the end-product
- Could allow cost reduction



*Currently, the company conducting research and development and is yet to embark on commercial production.



Achievements completed in 2022





Initiation and establishment of a first commercial production facility



Traditional hive capacity

0.5 kg per week
35 kg per year

production of a single hive

60
Thousand bees



Potential production capacity in Bee-io's R&D pilot facility

3 tons per week
156 tons per year

production of 4500 hives!!

270
Million bees



Bee-io's potential future commercial capacity

20 tons per week
1000 tons per year

production of 30,000 hives!!

1.7
Billion bees

* The company expects that by the end of June 2023, the Company will complete the initiation and planning process of the production facility and will then continue with its construction.



OUT OF THE HIVE AND INTO THE FUTURE

www.bee-io.com

