

A landscape photograph of a golden field at sunset. The sun is low on the horizon, creating a warm, golden glow and lens flare effects. The field is filled with tall, golden grasses or crops. In the background, there are rolling hills and a line of trees. The sky is a deep blue, transitioning to a lighter orange near the horizon. The text 'Flying spark' is overlaid in the upper left corner, with 'Flying' in white and 'spark' in orange.

**Flying spark**

**Feeding the world  
without consuming  
the Earth**

# Our Company

Flying Spark is a FoodTech company that developed a technology for production of high-quality alternative protein, produced from the Oriental Fruit Fly Larvae. The technology combines farming and processing the larvae.

It is an extremely efficient biological factory, transforming low-cost inputs into high quality and sustainable protein powders with a minimal ecological footprint.

**Flying spark**



# An Ever-Increasing Global Need for Sustainable Protein

## Livestock is destructive for the environment:

- ▶ Accounts for 70% of all agricultural land
- ▶ Major contributor of greenhouse gases emission
- ▶ Significant water and land abuse
- ▶ Generating waste

## The Challenge:

Feeding 10 Billion people by 2050, through increasing the overall food production, and protein in particular



## Our Solution

# Protein production from Fruit Fly Larvae



# Advantages of producing protein from fruit fly larvae

## Environmental - ESG

- No greenhouse gas pollution
- Low water needs
- Vertical farming – little use of land
- Minimal waste
- Fully controlled farming

## Nutritional

- Contains Protein, Iron, Calcium, Magnesium, fibers
- Whole protein with all essential amino acids
- Rich in Omega 7
- Cholesterol Free

## Economic

- Highly efficient source in just **7 days** life span
- Body mass growth by **250 times** in **7 days**
- Exponential growth – **300 descendants per female**

We can grow the equivalent  
weight of a cow, 300 – 400 kg, in:

**1 sqm  
every month!**



# Integrated vertical supply chain of alternative protein source



# Potential industries following the transition to the commercial phase

## Food

- ▶ Alternative Meat
- ▶ Baked Goods & Snacks
- ▶ Beverages

## Feed

- ▶ Pet Food
- ▶ Aquaculture

## Cosmetics

- ▶ Anti-aging products



# Alternative Protein products



Oil

A by-product for use in the cosmetics industry



Protein Powder

For use in food products for Human Consumption and Pet Food



Protein powder for animals

Alternative and sustainable fishmeal solutions

# Strategic Collaborations



## Pet Food



Joint Venture for OEM manufacturing  
 Pet food manufacturer for leading brands such as Nestle Purina, Mars and more.

Co-development of pet food line of products.

## Human Food

A Thai corporation with over 2,000 grocery stores in Thailand.  
 Co-development of various food products for human consumption.

A Mexican corporation with over 100 factories for baked goods and the owner of over 100 food brands.

Concluded development of several prototypes of baked goods.



## Aquaculture



A Japanese corporation engaging in chemistry, agriculture and pharmaceuticals.

Collaboration in research and development of fish feed alternatives.

## Cosmetics



A Thai corporation engaged in OEM manufacturing for international cosmetic brands.

Collaboration for the development and production of an oil-based line of anti-aging products.

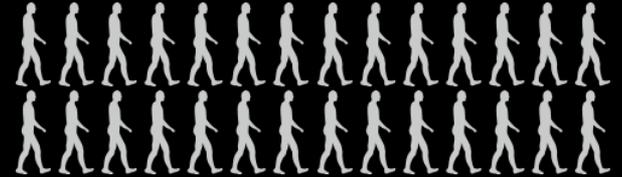
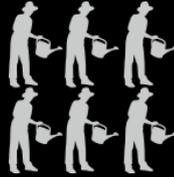
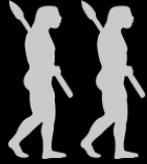
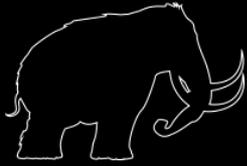
# Strategic Investors



A leading Israeli food manufacturer with global presence. Strauss manufactures milk products, snacks, spreads, coffee, and water dispensers, and it is among the world's largest hummus producers (in a joint venture with PepsiCo). Strauss holds Flying Spark shares through the food tech hub, The Kitchen.



Thai Union is among the world's largest tuna and seafood producers, based in Thailand and deployed worldwide. In addition to its tuna production, the company specializes in seafood farming and operates in the pet food industry as an OEM for international brands such as Nestle Purina, Mars, and the like.



**Flying spark**

**Thank you!**

Mr. Eran Gronich, CEO

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**TASE: FLYS**