



To the Milky Way and beyond!

Founded in 2019

By Aviv Wolff and Dr. Ori Cohavi \$150M Raised

Commercial Scale

Production in several locations around the world

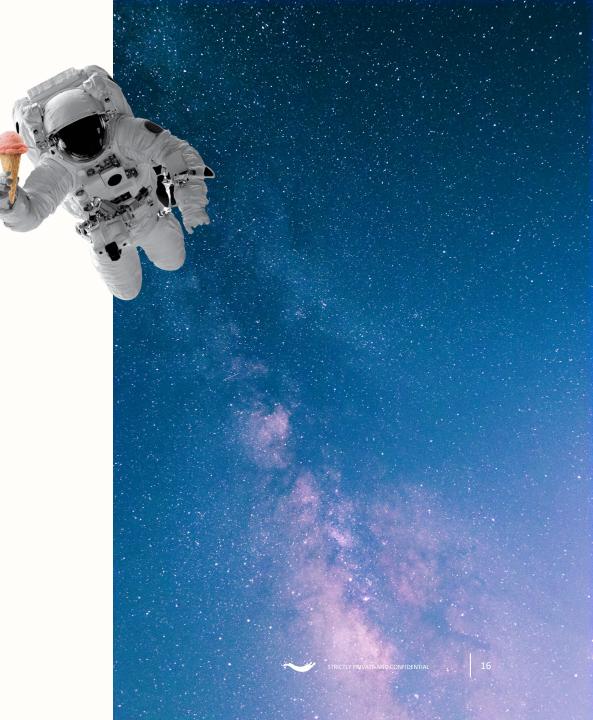
100 Employees

Commercial Agreements

With some of the world's largest food companies

Regulatory Approvals

US, Israel, Singapore



Real Dairy. No Cows.



An inevitable disruption.

Our planet is enduring an unprecedented crisis caused by our food systems.

Drinking 1 glass of milk a day, every day, for a year (200ml)



Adds up to an annual footprint of:

Land 2 tennis courts (652m²)

Water 703 showers (45,733 liters of water)

Emissions 585 miles in your car (229kg GHG)



Combating climate crisis.

Annual CO₂ emissions Our World in Data Carbon dioxide (CO₂) emissions from fossil fuels and industry. Land use change is not included. 35 billion t World 30 billion t 25 billion t 20 billion t 15 billion t 10 billion t 5 billion t 0 t 🖷 2020 1750 1800 1850 1900 1950

Source: Global Carbon Project

OurWorldInData.org/co2-and-other-greenhouse-gas-emissions/ • CC BY

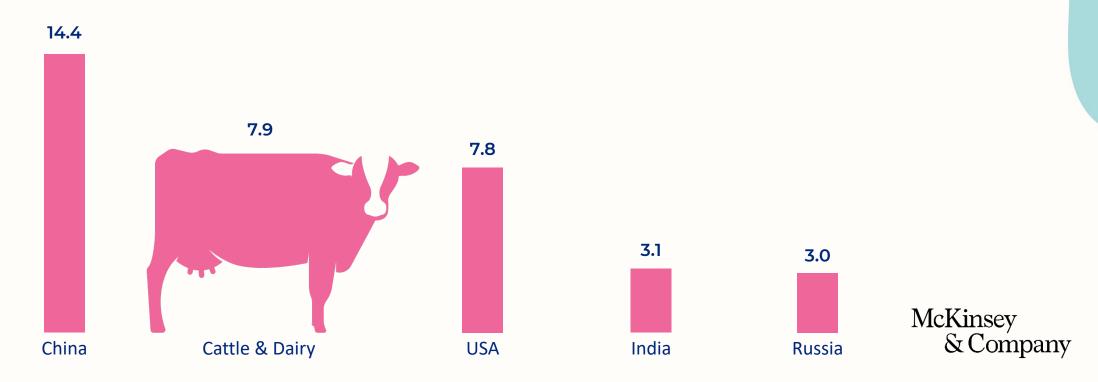
Source: https://climate.nasa.gov/global-warming-vs-climate-change, https://climate.nasa.gov/effects, https://www.un.org/en/climatechange/net-zero-coalition, https://www.mckinsey.com/~/media/mckinsey/industries/agriculture/our%20insights/reducing%20agriculture%20emissio ns%20through%20improved%20farming%20practices/agriculture-and-climate-change.pdf



Emissions. Combating climate crisis.

Livestock farming is the **second highest** source of emissions, greater than **all forms of transportation** combined, second only to energy.

2016 GHG emissions by country (top three GHGs), GtCO₂e



Source: <u>https://climate.nasa.gov/global-warming-vs-climate-change</u>, <u>https://climate.nasa.gov/effects</u>, <u>https://www.un.org/en/climatechange/net-zero-coalition,</u> <u>https://www.mckinsey.com/~/media/mckinsey/industries/agriculture/our%20insights/reducing%20agriculture%20emissions%20through%</u> 20improved%20farming%20practices/agriculture-and-climate-change.pdf

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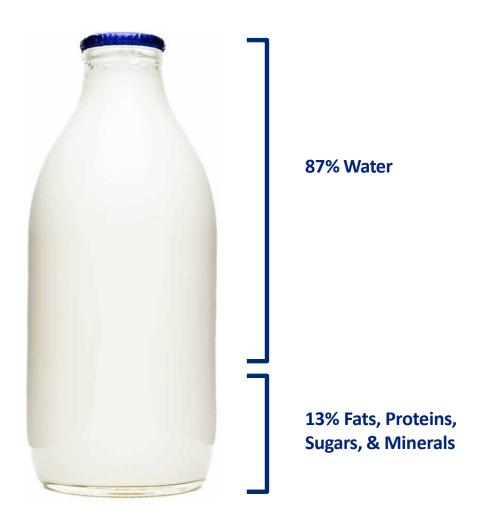
Land.

Half of the World's Habitable Land is Used for Agriculture.



Water. Using water to produce ... mostly water?

628.2 liters of water are used to produce 1 liter of cow's milk.



Remilk dares to rethink dairy.

Leveraging biology for mass production of dairy.



Reimagine the process.



Transformation

Cow-milk genes are inserted into Remilk's modular protein expression platform and are then transformed into a microorganism.

Fermentation

The transformed cells are fermented under tightly controlled conditions to produce the highest possible yield.

Isolation

Remilk's platform enables highly efficient expression for the simplest, most scalable isolation of the proteins.

Formulation

Proteins are dried and combined with top natural ingredients to create premium dairy products.

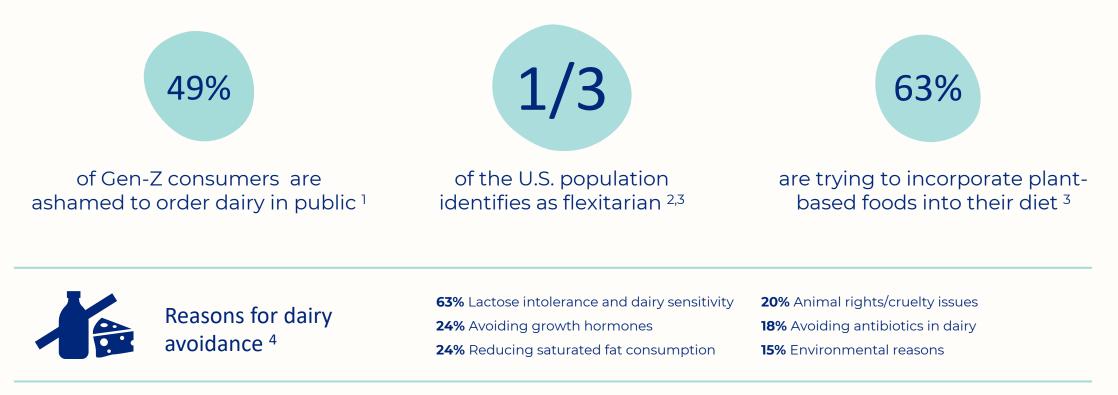
Same, but better.

Numerous tastings have proven Remilk products to be indistinguishable from regular dairy products.



Animal-free foods are booming.

Customer dietary preferences drive exponential growth.



¹ https://news.arlafoods.co.uk/news ² Flexitarians are defined as consumers who eat a mostly vegetarian or plant-based diet with the occasional inclusion of animal-based products; ³ GFI.org (March 2019); ⁴ Cargill (September 2018).

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Outperform.

A superior product, in every way.

100% animal-free.

Remilk V.S Traditional Dairy



Lactose, cholesterol, growth hormones, and antibiotics free.



Fundamentally more resource-efficient. 1% of land **3%** of GHG emissions² 4% of feedstock1 10% of water¹



¹ RethinkX (September 2019); ² WSP USA (February 2021).

Remilk V.S Plant-Based



No compromise in taste.



Nutritious and rich in protein.

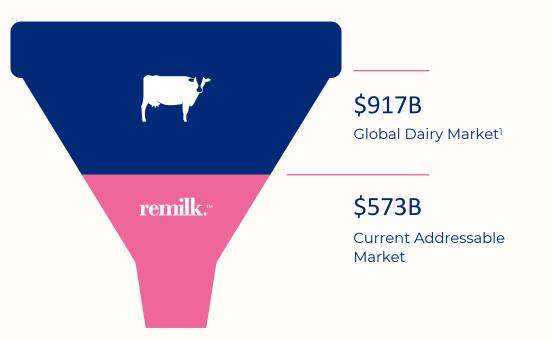


Product functionality, allowing every imaginable dairy product.

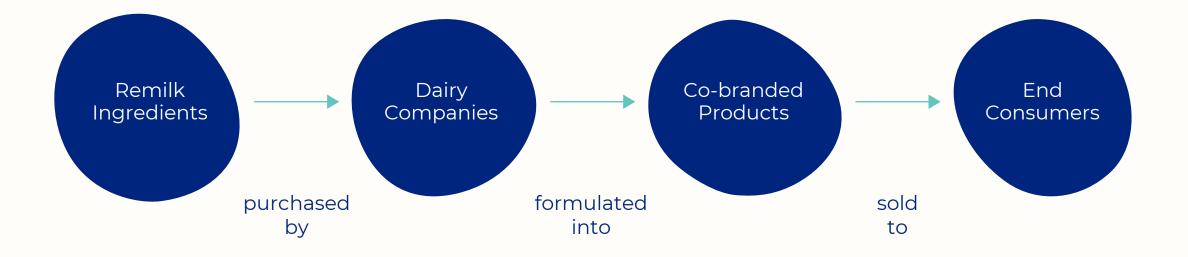
The dairy market.

Customer dietary preferences drive exponential growth.





How we work with our partners.





Introducing the next generation of dairy.



Sustainable

Easy on our planet and respectful of its precious resources.



Nutritious

Clean and healthy, without dairy's nasty downsides.



Kind

Real dairy without a single animal cell.



Reliable

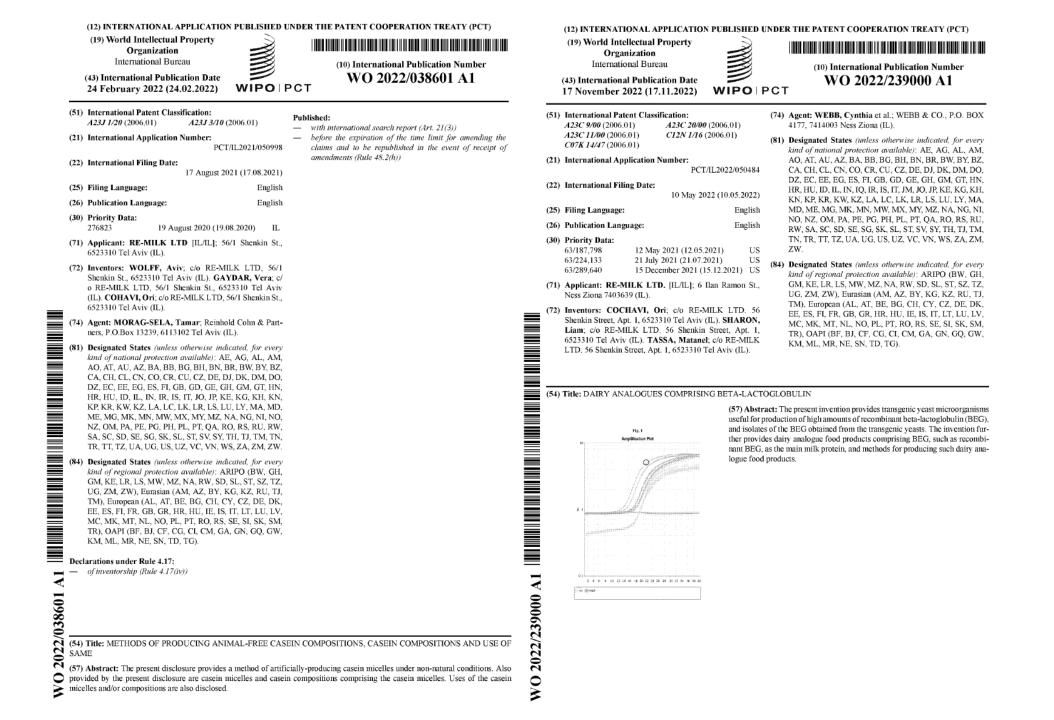
Ensures a stable supply of healthy, clean dairy 24/7 all year round.

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MODULAR LAYERS OF PROTECTION

- 1. Genetically-Modified-Organisms (GMOs) New "Composition-of-matter"
- 2. Promoter/Enhancer/Helper factor & Gene of Interest (GOI) & GMOs Specific pairings
- 3. Protein isolation/purification/extract Methods, Products & by-products
- 4. Intermediate products, mixes, compositions, formulations Technological bottlenecks
- 5. Post Translational Modifications (PTMs) Influence on protein identity/behavior
- 6. Product composition vs. Product formulation Ingredient list vs. ingredient relationship
- 7. Innovative Product vs. Traditional Product Organoleptic & Rheologic, Characterization & Comparison







remilk.

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