

MEATABLE

REAL MEAT.
REAL SCIENCE.
REAL SOLUTIONS.



90% less water
NO soil degradation
ZERO animals harvested
NO livestock disease
Produced in 12 days or less
IP PROTECTED and SCALABLE
GREAT taste!

IT'S NOT LIKE MEAT. IT IS MEAT.

meatable.com

A PARADIGM SHIFT IN FOOD PRODUCTION IS NEEDED:

The foundation of all food production is the availability of quality soil and water. Every crop we harvest, every fish we catch, and every animal we raise depends on healthy soil and clean water. However, both resources are under unprecedented strain. As the global population grows, the degradation of these critical resources intensifies, threatening food security for billions.

THE GROWING CHALLENGE OF FEEDING THE WORLD

The Earth was originally equipped to sustain an estimated 6 billion people. Today, we are 8 billion strong, and by 2050, projected to reach 10 billion. This 25% population growth translates into an additional 2.2 trillion meals annually. Meeting this demand will require innovative solutions that transcend traditional agriculture.



SOIL DEGRADATION: A Crisis Beneath Our Feet

Topsoil, the organic-rich layer essential for crop growth, is being lost at alarming rates. Modern farming practices, including monocropping, excessive use of agrochemicals, and aggressive tillage, have eroded both the quality and quantity of topsoil.

Erosion: Loose topsoil is washed away into waterways, carrying pollutants. Today, 60% of eroded soil ends up in water systems.

- 24% of the Earth’s arable land is undergoing severe erosion.
- 40% of agricultural land is considered depleted, with projections indicating that 90% will be degraded by 2050.
- The cumulative effect is a reduction of 33.7 million tons of global food production annually.

GLOBAL HUNGER: An Urgent Call for Action

Hunger remains a pressing issue:

- 10% of the global population faced hunger in 2023.
- 282 million experienced acute food insecurity.
- Climate change is the primary driver of food insecurity, particularly in regions like Sub-Saharan Africa and South Asia.



WATER SCARCITY: A Depleting Resource

Water, the other cornerstone of food production, is also under threat.

Aquifers: Groundwater levels have declined in 71% of aquifers studied globally, with some regions experiencing drops of 2-9 feet annually.

Wells: 20% of groundwater wells worldwide are at risk of running dry.

Pollution: Runoff from urban and agricultural areas carries harmful pollutants, such as pesticides and heavy metals, into waterways, impacting aquatic ecosystems and human health.

Global Health Impact: WHO reports that 2 billion people lack access to safe drinking water, and 600 million suffer from foodborne illnesses annually.



CLIMATE CHANGE: Escalating the Crisis

Climate change exacerbates soil and water issues while introducing additional challenges:

- Rising temperatures and changing precipitation patterns disrupt food systems.
- Sea levels have risen 8 inches since 1880 and are expected to rise another 1-6 feet by 2100.
- Increased frequency and intensity of hurricanes, droughts, and wildfires further strain agricultural production.
- By 2050, climate change is projected to cause 250,000 additional deaths annually due to malnutrition, heat stress, and vector-borne diseases.

THE GLOBAL MEAT INDUSTRY CONTRIBUTES SIGNIFICANTLY TO ENVIRONMENTAL DEGRADATION

- Livestock accounts for 14.5% of global greenhouse gas emissions.
- 33% of cropland is used for livestock feed.
- Antibiotic use in livestock promotes resistance and contaminates water systems.
- Livestock diseases, such as African Swine Fever and Avian Influenza are increasingly threatening the global food supply.



THE ROLE OF CULTIVATED MEAT: A Sustainable Alternative

Cultivated meat offers a transformative solution to these challenges:

Environmental Benefits: 100% reduction in animal harvesting, eliminating livestock-related emissions and diseases.

87% water used, no soil degradation.

Efficiency: In just 12 days, cultivated meat can be produced and ensuring a consistent and immediate supply, can be producec, ensuring a consistent supply.

Scalability: The technology can meet rising demand without further straining natural resources. The solution is within 3-5 years of being scaled and cost effective at less than \$14/kilo (\$6.37/lb).

The challenges facing global food systems — soil, water, climate, livestock disease, hunger and food security— are vast but not insurmountable. Cultivated meat represents a paradigm shift in food production, akin to the revolutionary impact of the internet or the combustion engine. By investing in this technology, we can address the pressing issues of soil degradation, water scarcity, climate change, and global hunger, ensuring a sustainable and secure food future for generations to come.

THE FOUR BIG MEAT INDUSTRY PROBLEMS

CARCASS IMBALANCE 45-55% of a live animal's weight is saleable meat



LONG LEAD TIMES 330 days required to raise a pig from gestation to slaughter



SUPPLY CHAIN VOLATILITY >\$21B of crop and rangeland losses in the US alone from major natural disasters in 2023.



IMPACT OF LIVESTOCK DISEASE \$300B of lost revenue per year due to livestock diseases globally



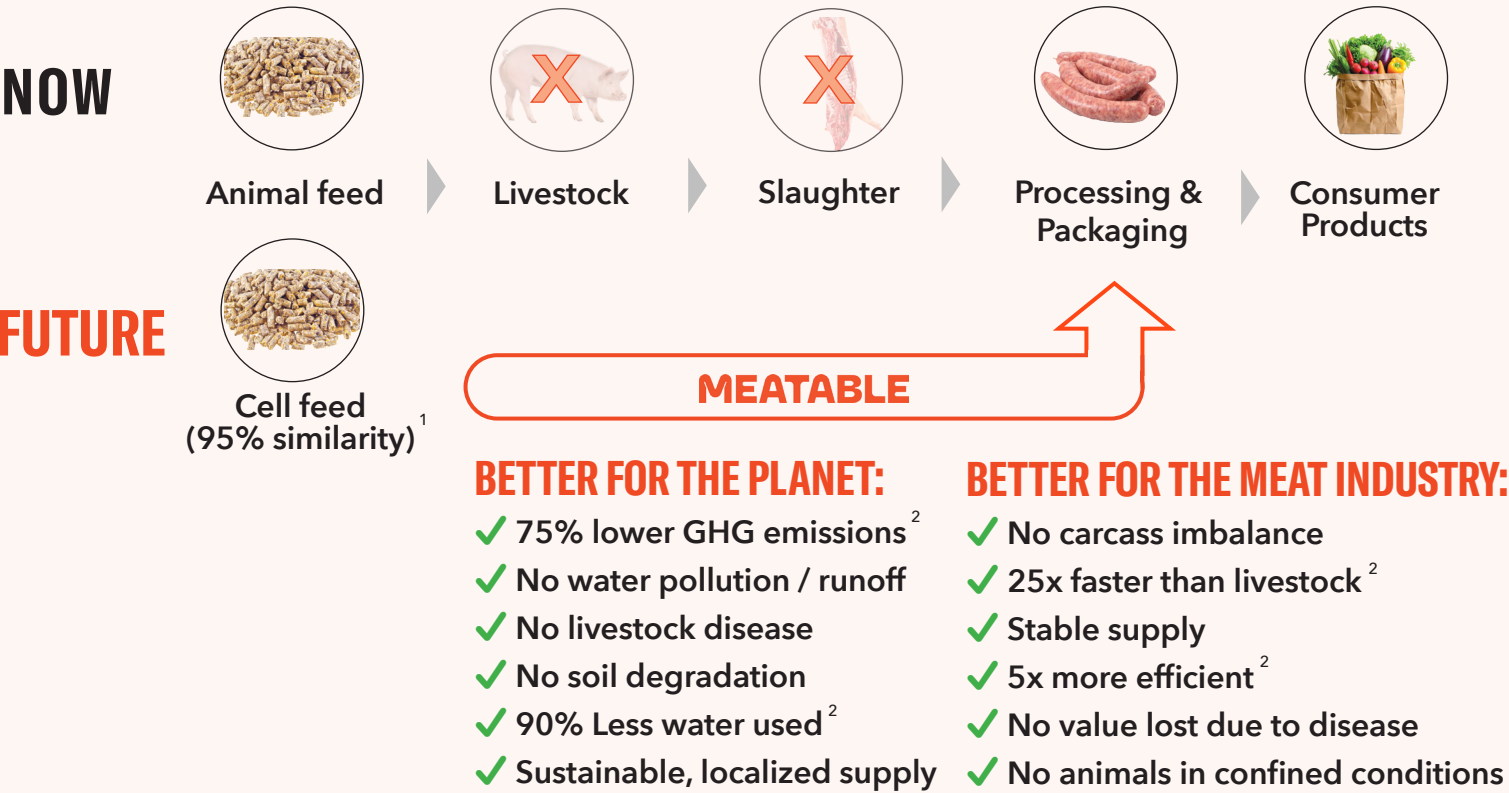
SOURCES:

2024 Global Hunger Index (FAO/WFP)	International Journal of Water Resource Development 2023
UN World Food Programme Report:2024	US Geological Survey 2023
World Bank Food Security Report: 2024	EPA Report on Stormwater Runoff 2023
Global Hunger Index 2024	National Oceanic and Atmospheric Admin 2023
UN OCHA Humanitarian Outlook 2024	US Geological Survey pesticide in streams report 2023
FAO Regional Hunger Assessment 2024	UNEP Global Soil Biodiversity Report 2022
Nature Sustainability Report on Climate and Water Scarcity 2023	NASA Intergovernmental Panel on Climate Change (IPCC) Report 2022
Intergovernmental Panel on Climate Change (IPCC) Report 2022	Global Carbon Project Report 2023
WHO Climate Change and Health Report 2015	WHO Climate Change and Health Report 2015
	UC Santa Barbara 2024 Groundwater Depletion Study

THE BIG SOLUTION = MEATABLE

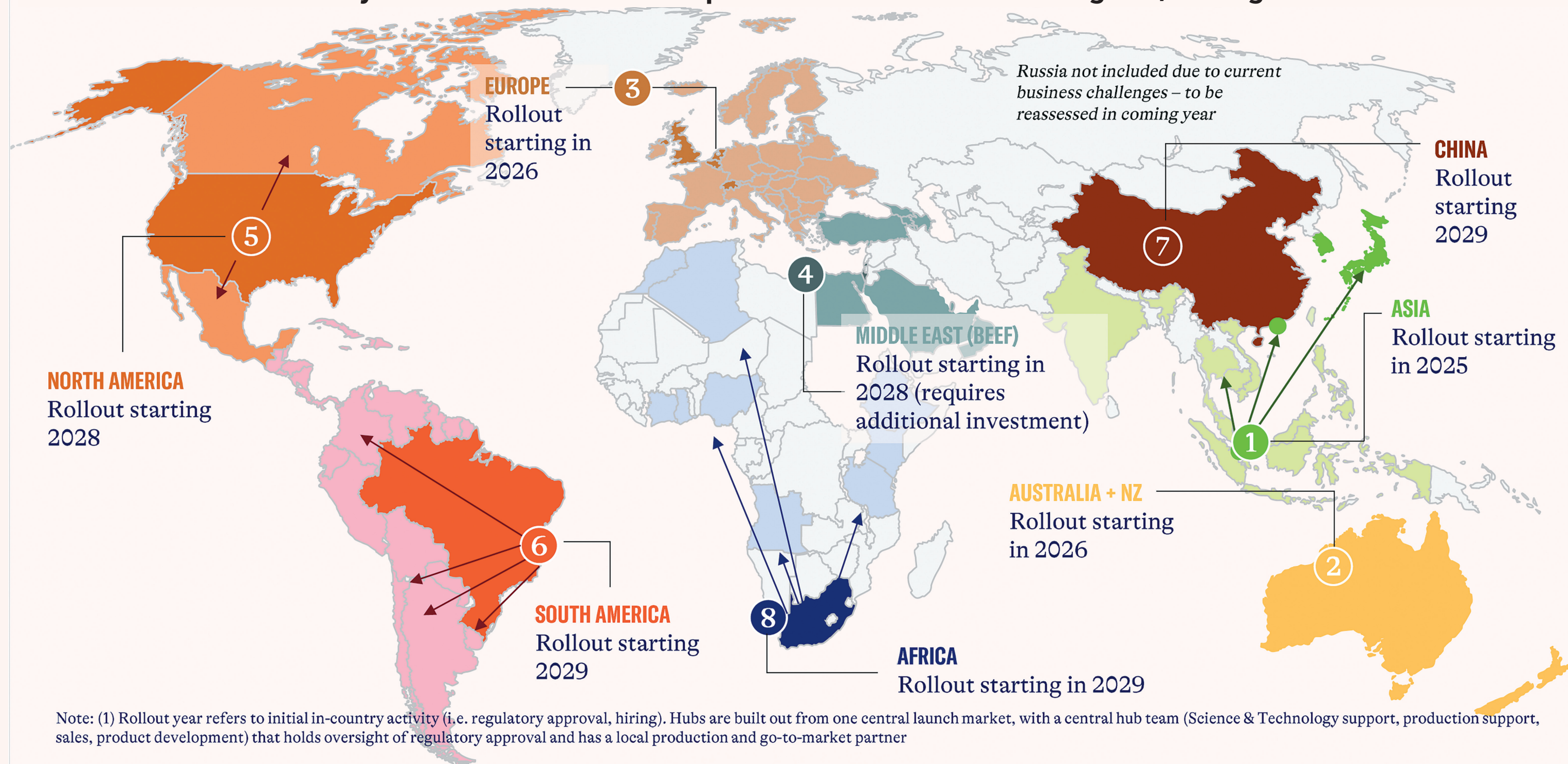
Cultivated meat fits right into the existing meat value chain, solving industry challenges

CURRENT AND FUTURE VALUE CHAIN



CLEAR ASSET LIGHT GLOBAL PATHWAY TOWARDS COMMERCIALIZATION VIA A PROVEN LICENSEING MODEL

Our clearly defined commercialization plan activates 8 hubs across the globe, starting in 2025¹



GLOBAL LICENSING MODEL: **MEATABLE** generates revenue from two license positions—one at each end of the value chain

1. CUSTOMERS: Meat companies pay **MEATABLE** for use of technology.

Upfront fee per geography, size based on market potential. Royalty on volume of cultivated meat produced.

2. VENDORS: Pay **MEATABLE** to be a preferred supplier. Upfront payment to obtain “preferred supplier” status. Royalty on sales to **MEATABLE** customers.

UNIQUE MARKET POSITIONING

MEATABLE licenses patented technology to meat industry partners, enabling an asset-light, scalable business model

PARTNER TO THE MEAT INDUSTRY

FRIEND/SUPPLIER, NOT COMPETITOR TO THE MEAT INDUSTRY:

- ✓ Solves industry challenges
- ✓ Increases profit through price premiums and cost-effective production
- ✓ Fits with existing value chain

TRACEABLE, IP PROTECTED TECHNOLOGY

SCIENCE & TECHNOLOGY DELIVERING REAL MEAT PRODUCT AT A COMPETITIVE COST:

Exclusive global license to opti-ox™, extensive patent portfolio

Fastest process in the sector

90% taste similarity with livestock-based meat

ASSET-LIGHT PURE LICENSING MODEL

WE PROVIDE ACCESS TO OUR TECHNOLOGY AND KNOW-HOW.

FUNDS ONLY INVESTED IN TECH OPTIMIZATION:

Highly scalable

No plant capex

We're ready to change the world for the better ...
Are you?

Contact information@meatable.com