

The background of the slide features a collection of green, spherical microalgae cells. Each cell is depicted with a thin outer membrane and a central, larger yellowish-green structure, possibly representing a nucleus or a specialized organelle. The cells are scattered across the frame, with some in sharp focus and others blurred, creating a sense of depth. The overall color palette is dominated by various shades of green and yellow, giving it a natural, biological feel.

Mymnt-X

Microalgae-driven Solution for Agriculture
-Turning Waste into Value-

Problem

Livestock manure accounts for **42% (4.2 billion tonnes¹)** of global CO₂ emissions from biowaste.

However, existing solutions are **costly, space-intensive, and complex.**

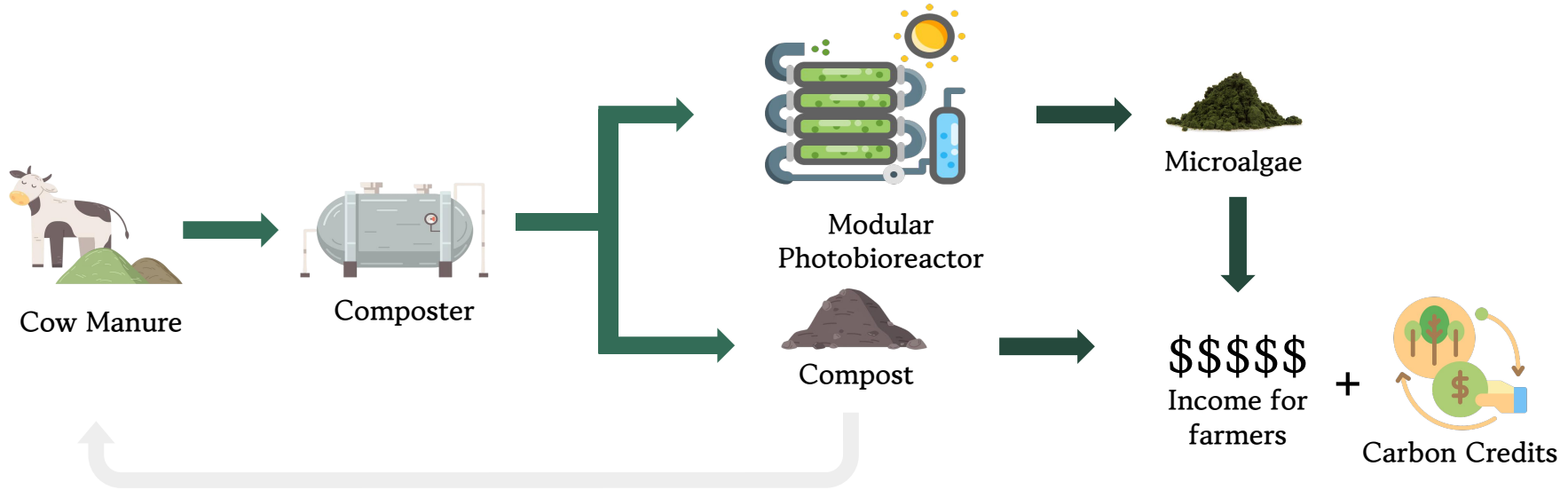
As a result, many livestock farmers still rely on **primitive manure management practices.**

Now, the industry needs game-changing solutions to **transform waste into value**—unlocking opportunities to **recover carbon and nutrients.**

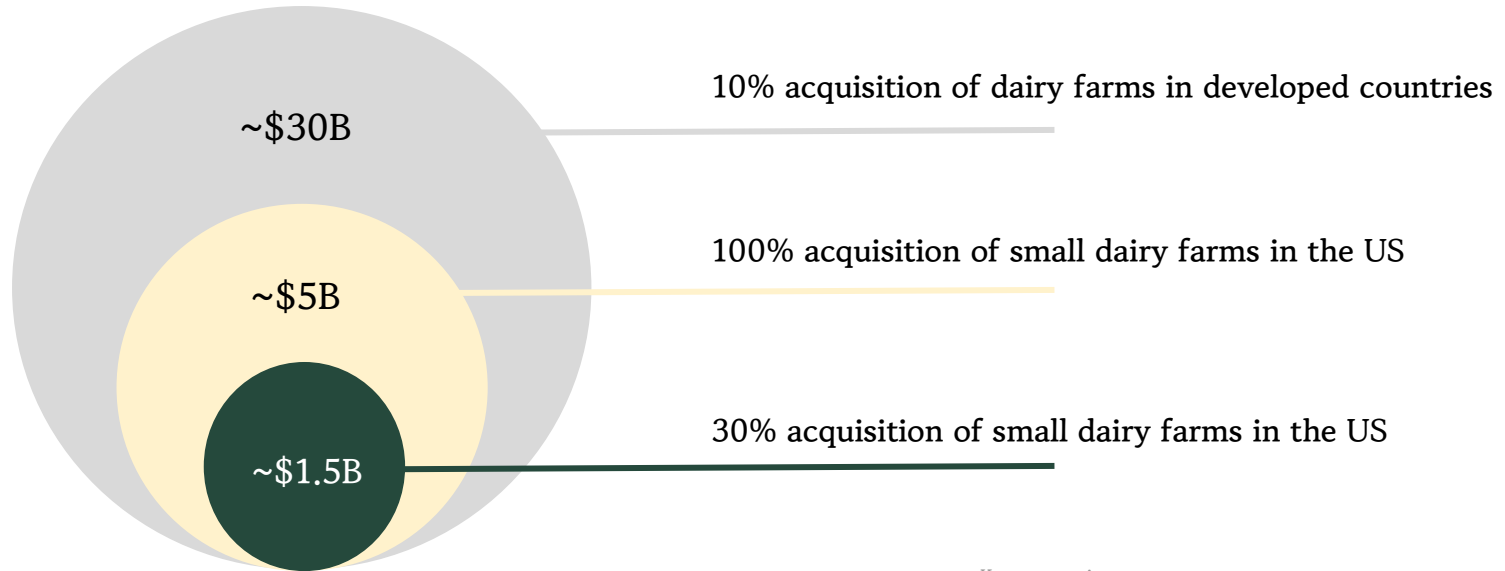


Solution

Proprietary optical design from LBNL offers **high spatial and cost efficiency**, delivering farmers **additional income** with minimal OPEX and CAPEX.



Market Potential



Key assumption

- \$500,000 unit price sold per farm
- 10,000 small dairy farms in US (<600 cows)
- 600,000 dairy farms in developed countries
(Canada, Japan, New Zealand, Australia, EU, US)

Go-to-Market plan

Potential Buyers for our solution:

Dairy Farmers



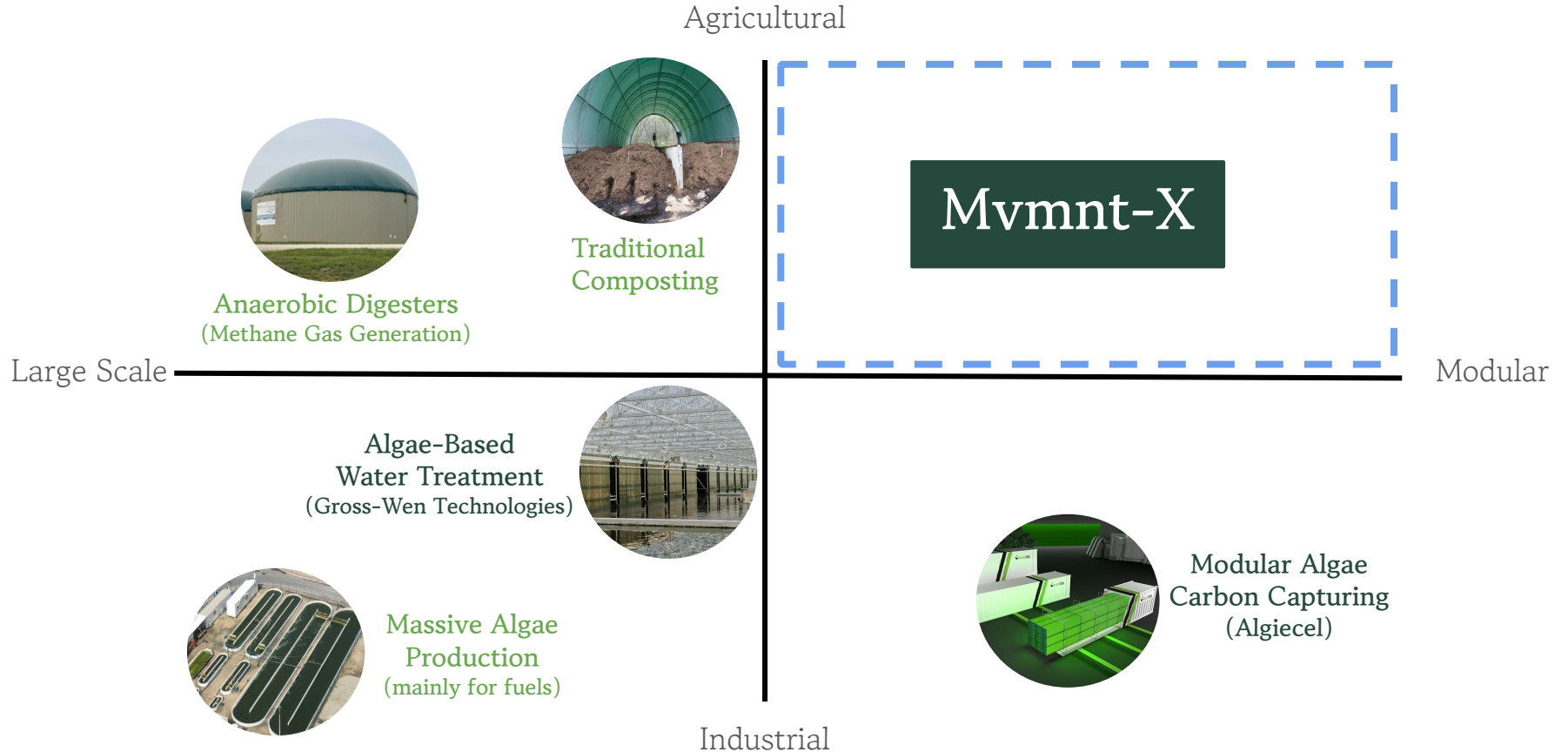
- Small-Mid size (30-600 cattles)
- Soil/Environment conscious
- Sunny Climate for sunlight

Agricultural Cooperatives



- Local Dairy Cooperatives
- Shared Use / Leasing to Farmers
- Extension to Other Farming Modes

Competitive Landscape



Ask

Mentorship

Seeking mentors who can coach:

- Customer Outreach
- TEA and LCA
- Feasibility Study

Angel Investment

Aiming to raise \$500K to:

- Hire key technical personnel
- Develop fully integrated MVP
- Derisk the core technology

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Lawrence Berkeley National
Laboratory and DOE program
funded by the DOE Technology
Commercialization Fund

Active awardees:
Phase I active awardee

cradle to commerce
COHORT TEAM

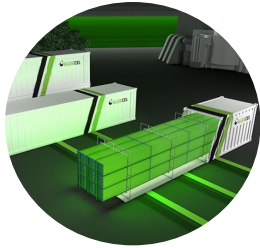
Competitors in algae-based nutrition recovery

Algae-Based Carbon Capturing



Gross-Wen Technologies (IA/US)

- Founded in 2014 / Total raised \$21M
- Revolving Algal Biofilm (RAB™) system
- Removes both nitrogen and phosphorus from wastewater streams
- Focus on municipal and industrial wastewater treatment facilities
- The removed nutrients are recovered as valuable algal by-products



Algiecel (Denmark)

- Founded in 2021 / Total raised \$9M
- Natural microalgae strains
- Compact, high-yield photobioreactors
- Carbon capture services to industrial clients (food processing facilities, etc.)
- Provide algal biomass for feed, food, and cosmetics industries

Manure Utilization



Anaerobic Digester
(Biogas Generation)



Traditional Composting System