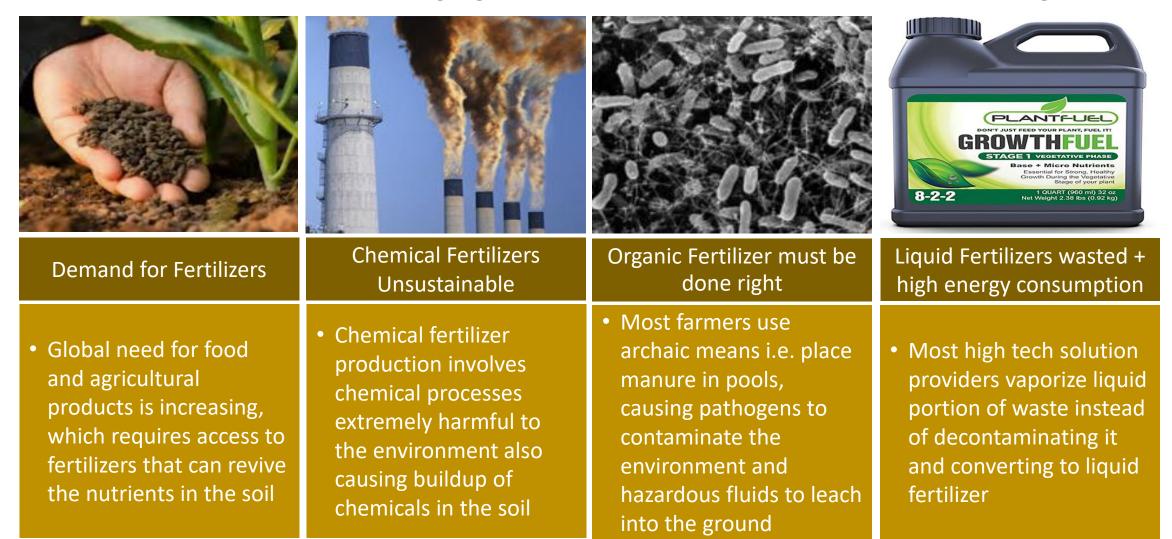


August 2020 Country of origin: Iran

The Problem

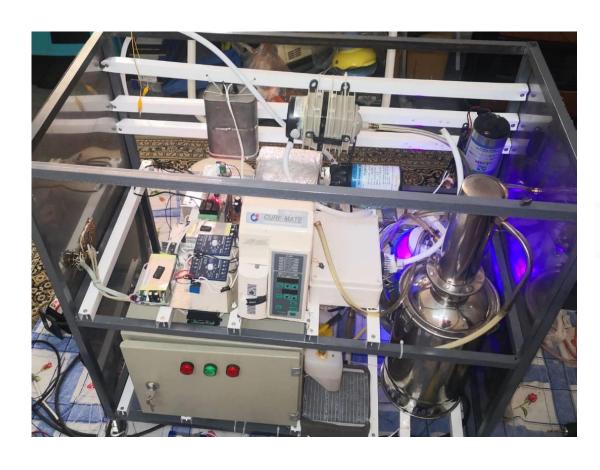
Four trends/issues are converging to create an unsustainable farm soil management:

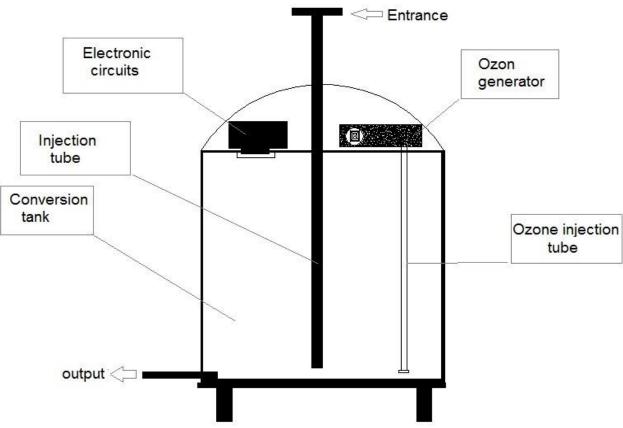


Solution / Innovation

- We use proprietary technology that combines piezoelectric waves, UV rays, infrared waves, and ozone to fully decontaminate the manure converting it to fertilizer that is free of all pathogens.
- The pathogen-free fertilizer can be used for farming, but also for home gardening projects
- Liquid fertilizer can be used for irrigation of crop farms; it can also be packaged for retail for landscaping and home gardening projects
- Our solution uses contained chambers and uses energy efficient, proprietary technology to do the decontamination in less than 1 day rendering the output pathogen and odour free yet with the necessary nutrients for crops.

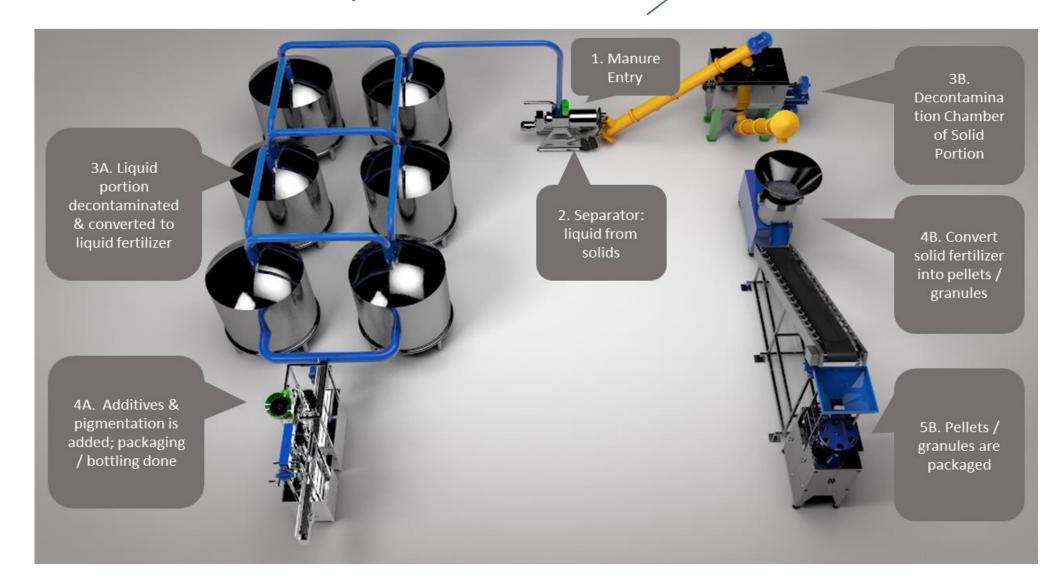
Our Technology





Our Product / System

Note: Manure can be fed to system through different types of feeders



Business Model

- Typical customer:
 - Any manure producing animal farm (e.g. cattle beef, dairy, poultry, egg producing)
 - The average sized poultry farm in Canada can use a 6-tonper-day machine (250 KG of manure per hour)
 - # animal farms in Canada: 205,730
- How will they put it in your pocket.
 - A slow, messy, odorous process now converts manure into odourless, packaged fertilizers in one of two forms:
 - Granules/Pellets \$1 per lb in large quantities
 - Liquid fertilizers 1 gallon sells for \$47
 - Therefore, the system will become a cash cow for farmers





Go to market plan

- How will you reach your customers.
 - Low hanging fruit:
 - Approach farmers and farmers associations/cooperatives in province
 - Approach farmers and farmers associations/cooperatives across Canada
 - Exports to the US
 - Exports to other advanced economies
 - Exports to other countries
 - by this time we have reduced production costs significantly by
 - in-housing,
 - R&D in component production, and
 - R&D and automation in assembly

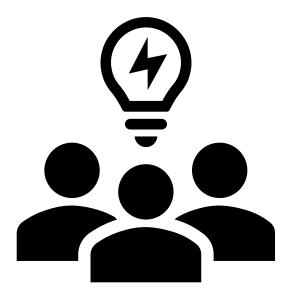
Competitive analysis Little Space Quick processing High-Tech FEECO International Inc (1951) **Our Solution** High Location: United States • **\$500,000** CAD • **\$1.3M USD** for 6 Ton/day 6 Tons per day Takes 1 day to process manure Takes 1 day to process manure Us **FEECO** Cost for 6 Ton/day High **Cost Axis** Low **Value Axis** Low Tech Brands Dorset Green Machines (1984) Low Tech Location: Netherlands Location: Mostly Asia Brands • \$620,780 CAD for 6 ton/day Inexpensive Systems Takes 2-3 days to process manure Take weeks to process manure Low

Management Team



Mahtab Rashvand

- . CEO, Head of HR and Head of R&D
- Experience in Office Administration and HR Management





Ali Rashvand

- VP Operations
- Extensive project management and teaching experience
- BA in Science and passionate about the sciences



Alireza Moradgholi

- VP Sales and Marketing
- Extensive sales and marketing experience / strong English skills
- R&D and teaching experience in educational institutions

Financial Projections and key metrics

• Below is 5 year pro forma income statement assuming \$523k loan

Vaar

Our facility allows for 10-15 units to be produced / year

	Year				
	1	2	3	4	5
# Units Manufactured and Sold	5	6	7	8	9 ^
Revenues	2,500,000	3,000,000	3,500,000	4,000,000	4,500,000
Direct Materials	1,080,000	1,296,000	1,512,000	1,728,000	1,944,000
Direct Labour	220,000	264,000	308,000	352,000	396,000
Gross Profit	1,200,000	1,440,000	1,680,000	1,920,000	2,160,000
Operating Expenses					
Salaries (excl. direct labour)	665,000	665,000	665,000	665,000	665,000
CPP, EI, Benefits	132,122	132,122	132,122	132,122	132,122
Rent	170,000	170,000	170,000	170,000	170,000
Marketing	140,000	140,000	140,000	140,000	140,000
Depreciation	9,500	9,500	9,500	9,500	9,500
Other Operating Expenses	80,000	80,000	80,000	80,000	80,000
Operating Profit	3,378	243,378	483,378	723,378	963,378
Interest Expense	31,249	29,978	25,386	20,463	15,183
Net Before Tax Income	- 27,871	213,399	457,991	702,915	948,195
Corporate Tax Payable	-	23,191	57,249	113,229	174,549
Net After Tax Income	- 27,871	190,208	400,742	589,686	773,646
Net Profit Margin (After Tax)	-1%	6%	11%	15%	17%

Key Metrics

- # sales leads in pipeline
- R&D # projects in pipeline
- Production cost/unit (Gross Margin)
- Operating Margin

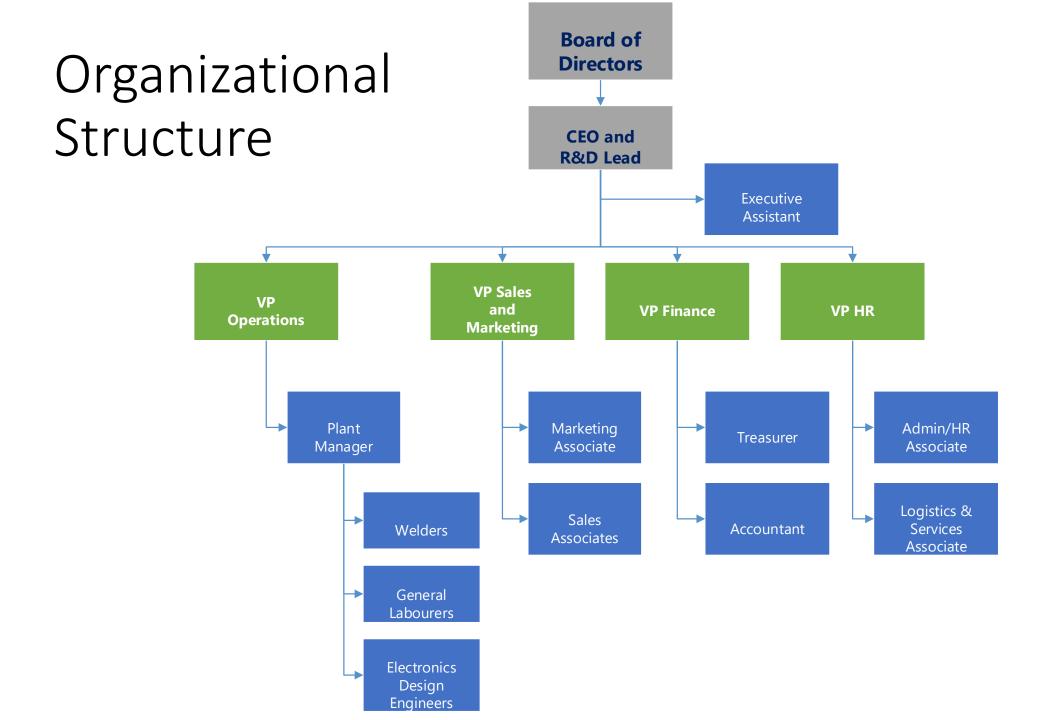
Key Milestones

- Enter new markets
- Invest in product innovation
- Invest in cost reduction initiatives e.g. in-housing

Current Status, and Milestones achieved

- TRL stage: 9 Fully operational units already manufactured
- Patent obtained for invention in Iran
- Units with different capacities have been successfully deployed so far:
 - 3 tonnes / day
 - 6 tonnes / day
 - 12 tonnes / day no request yet, but easily able to manufacture this
- Two products will meet needs of majority of industrial customers:
 - 6T / day processing capacity
 - 12T / day processing capacity

Additional Slides



Total Capital Required

Casii Cii i aii	Cash	on	Hand
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Cash on Hand	
Cash to last 4 Months (includes salaries, marketing, etc.)	421,229
Assumes founders will postpone their first year salaries	
Expenses	
Leasehold improvements	80,000
Patenting in Canada and the US	20,000
Professional Logo and Branding	5,000
Trademarking Logo & Name in Canada	1,400
Trademarking Logo & Name in the US	1,400
Hiring Process (ads, literature)	1,000
Stationery	1,000
Incorporation	1,000
Prepaid Utilities	
Prepaid rent and deposit (equal to 4 months' rent)	56,667
Prepaid utilities	2,000
Capital Expenditure	
Initial inventory - Enough to fulfill first order	216,000
Equipment (incl. delivery) - Complete list in report	65,000
Funds Needed for Venture:	871,696
Source of Funds	
Paid in Capital	348,678
Loan amount	523,018

Thank You