



CubicFarm Systems Corp. is developing indoor modular technologies that empower farmers to grow fresh produce and fresh livestock feed at a commercial scale, in any climate, all year round.



CUBICFARM System Corp.

Their mission is to create indoor farming technologies to feed a changing world, help farmers to keep growing, and empower farmers to localize plant, food, and livestock feed production at a commercial scale while also protecting people, resources, and the economy.



CubicFarm's Feature

- 1. 95% less water
- 2. 80% less waste
- 3. 52X land efficient
- 4. Power efficient
- 5. Indoor growing
- 6. Zero Pest





- 7. Modular unit
- 8. Controlled environment
- 9. High quality
- 10. Local food ecosystem
- 11. Consulting service
- 12. Empower local chain farming



Porter's forces

Threat of Strong substitute customers would rather switch to an alternative (Traditional farming)

Bargaining Weak power customers do not have much power (Few manufacturers)

The threat of Weak new entrants It is expensive for a new business to set up

Medium

Supplier power Suppliers' power is medium

Strong

rivalry There are strong companies to compete (For example Microsoft green project)

Competitive

Force of time I think time is important now.

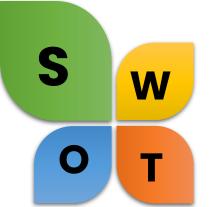
Strength



High-quality and high-performance indoor agriculture



Modular, consistent food ecosystems





Portable and adjustable



Potentially low-cost and high-profit design

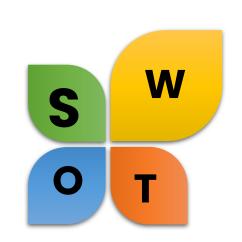


A local platform for resources, customers, and products



Good customer service







Low variety in products

They are small compared to others (Microsoft)

New technology, but not well-known

Late profitability

Based on the local and limited market

Threats



Limited products



Limited market



Compatible with future treats which are not established by the public, yet



Looks complex for farmers and farmer needs consultant

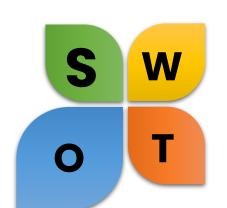


Needs consultant

Opportunities



Compatible with the future climate-changing treats





Sustainable food resource for a local economy



Compatible to attach to other self-sustainable technologies



Good for small growing space



Potentially great candidate for dry land markets (%42 of the earth for now and %90 by 2050 in the luckiest scenario)

Financial Performance

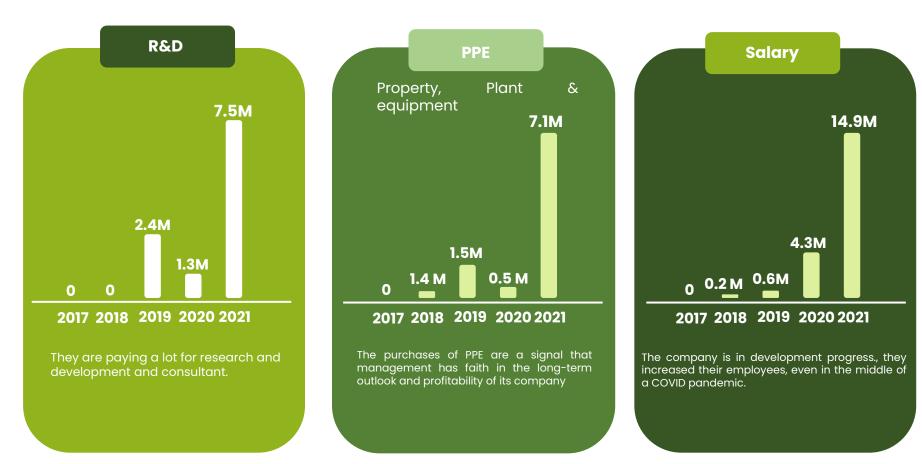




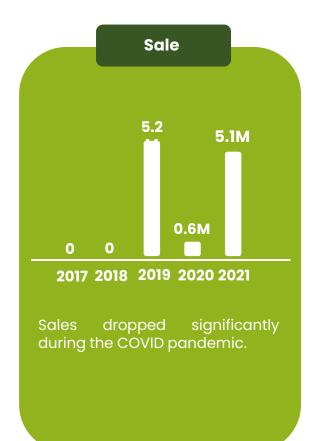


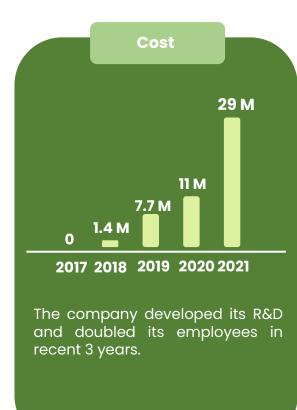


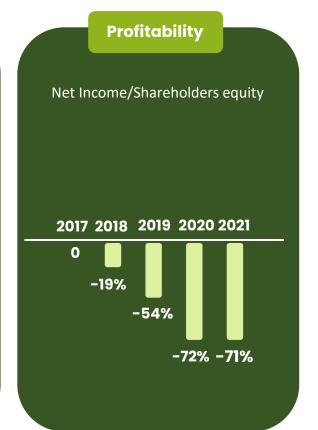
Paying a lot for salary and development



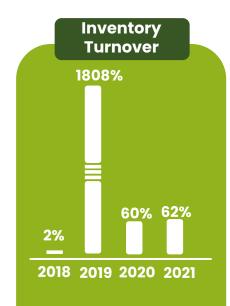
Low sales and Low Profitability



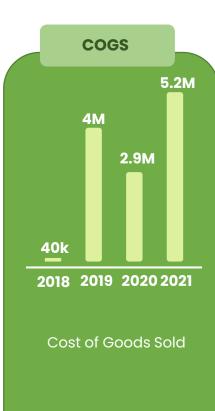


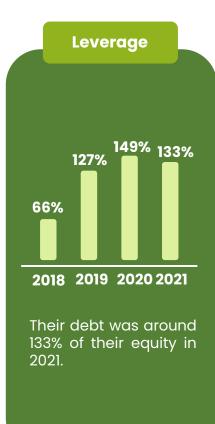


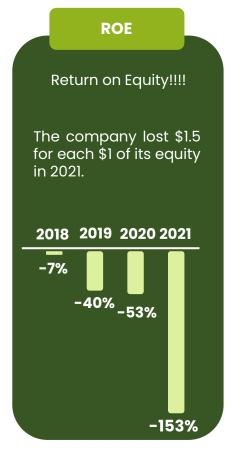
Key ratio



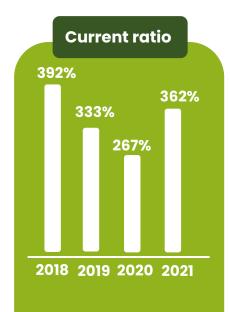
Seems, Inventory Turnover stabilized after 2020. They had a good sale at 2019.







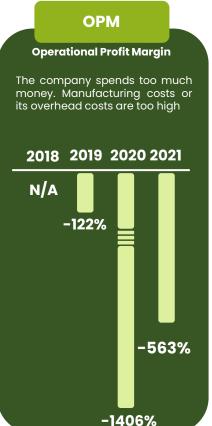
Key ratio



the company cannot meet its short-term obligations









Key issues

Costs(Salary, R&D, production), and Sale



Limited variety of food products





Limited to Local demands











Out of the customer's budget







Good for future, not now



Problem!

- ☐ Complex
- ☐ relatively expensive
- ☐ Limited to local markets
- ☐ Not well-known to customers
- ☐ Good for future

Opportunity

Their product is based on facts that might be realized in near future, faster than we imagine, and there is a high chance for global demand for indoor agriculture before 2030.



Solutions

Reduce the costs

The units are very expensive. 2-3 times more than similar

Make it global

Find new opportunities around the entire globe.

Monitor the customers

Provide applications to monitor the customers and consult them









Put Share in customer's product and network

Making headquarters from local customers



Schools of indoor farming

Prepare the people for future

Improve the Skills

They are paying a lot for consultants; it might be better to establish a part of skills at home.

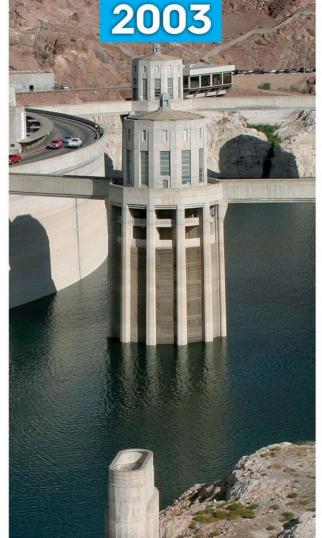


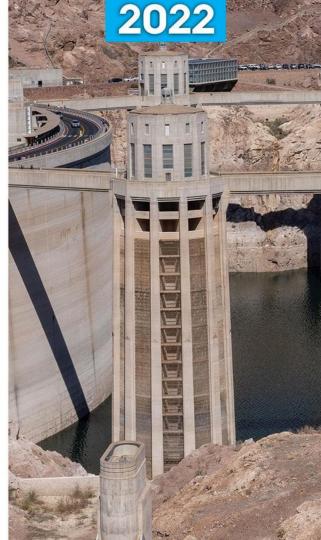
Finance Proposal

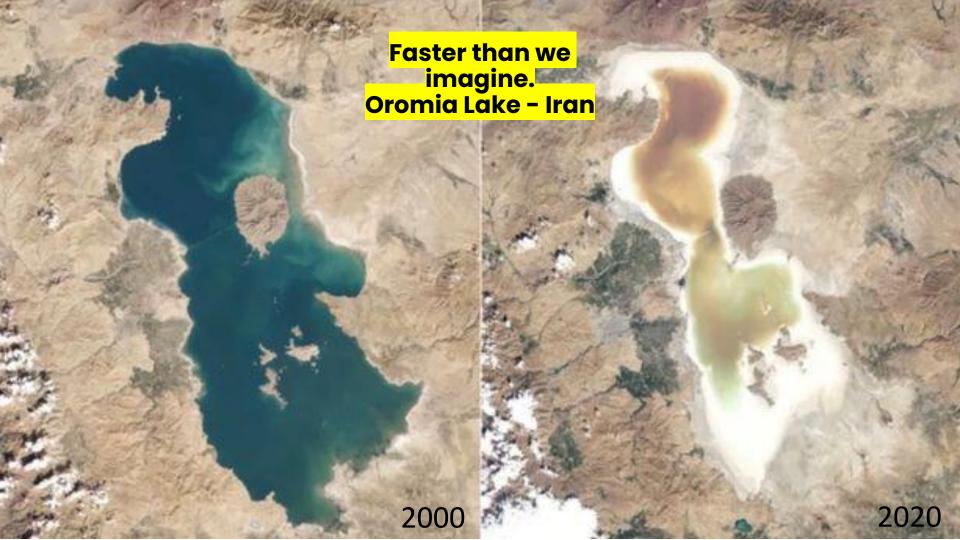
Look into facts...





















Other facts ...





Invest your money in deserts

Threat = Opportunity

- ✓ Drylands are the Heart of economy
- √ Great for sustainable products

Future

Education

We are not ready for this rapid change.

we need:

- √ Education
- √ New Politics
- √ Social media's support
- √ ...





1. Cold lands

2. Drylands with high food demand

3. Drylands with high water stress

Potential customers

The pandemic was a gift for SSS.

The necessity of **self-sustainable** systems (SSS) was established

- ☐ Millions of workers were laid off
- Millions had to work at home
- ☐ Life and energy Costs increased

By an indoor agriculture system, people are able to:

☐ Run their own business at home





Solution 1 – change the taste



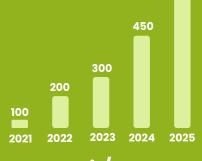








- ☐ Go to the cold or drylands
- ☐ Share with farmers
- ☐ Reduce the cost of units
- Use local materials and supply



700

Unit/Year

Solution 2 – Work Smart and hard



Establish the demand







Consult the new customers

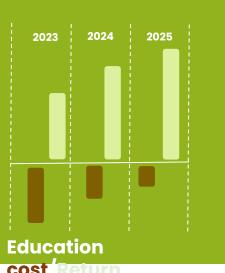
Find New ideas

Upgrade the skills



CubicFarm school = Think Green

- Upgrade the farmer's skills
- ☐ Establish the demands
- Prepare the minds for future changes
- ☐ Change the policies
- Discover new ideas
- Skill-based schools
- Make the new customers





Benefits of the program

- √ Fast program for each student (3 months)
- √ Sell a Cubicfarm unit with a discount (90k instead of 160k)
- √ Free financial model for bank loan approval (based on their claim)
- √ Free shipping of units across the entire globe

Great for customers, Good for CubicFarm...





☐ Farmers/year: 80

□ Program costs: 25K

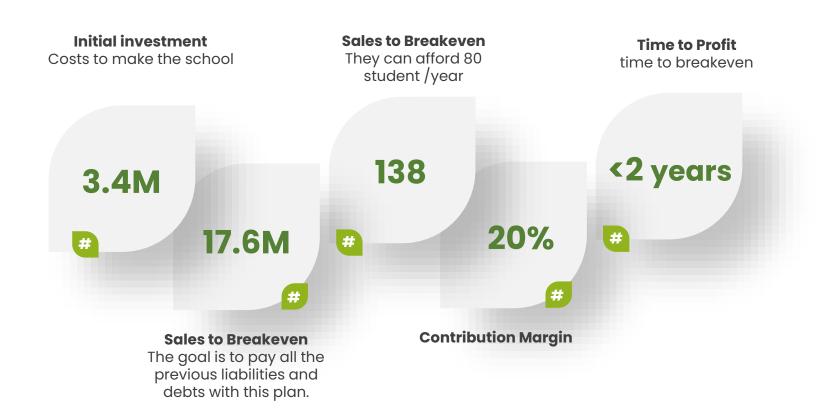
☐ Program length: 3 Months

☐ Initial Investment: 3.4M

CubicFarm school



Breakeven analysis

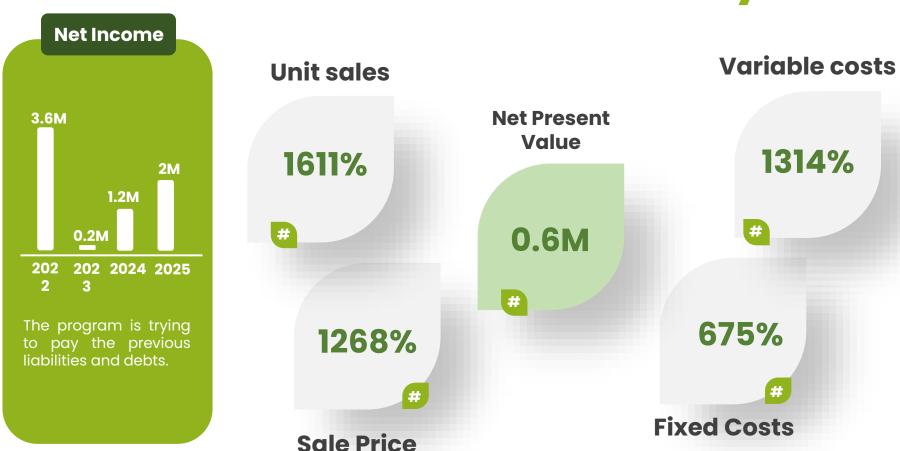


Finance and Revenue



Proforma

Sensitivity



A	В	С	D	E	F
Discount Rate	0%		,	0%	
Tax Rate	20%				average Tax rate in British Colombia
Net Present Value	\$616,460				
	year 0	year 1	year 2	year 3	
		_			
Initial Investment					
R&D	\$4,000,000	\$400,000			
Pre Launch Marketing	\$1,215,000				
Inventory	\$1,800,000				We need this inventory to run the next year, we should have enough money to make units
1 Total	\$7,015,000	\$400,000			
2					
Operating Cash Flows					
Volume of Sales		80	j	81 82	2
Sale Price		\$ 128,000.00		280.00 \$ 130,572.80	
Cash Revenue	\$5,000,000.00			71,680 10,706,970	
7 Special discount per unit (%)	***************************************	20		20 20	
Variable cash costs		\$8,464,000	\$10,39		
Fix cash costs		\$4,640,000		35,000 \$4,690,000	
Cash Flow Before Tax	\$7,015,000		\$ (4.58	35,620) \$ (4,503,630)	
1 Taxes	\$1,0.0,000	\$ (492,800)	\$ (91	7,124) \$ (900,726)))
2 Cash Flow After Tax	\$ 7,015,000			68,496) \$ (3,602,904)	
3	7,010,000	(1,071,200)	Ψ (0,00	0,400) w (0,00±,001	1
4					
5 Net Cash Flow	\$ 7,015,000	\$ (1,971,200)	¢ (3.66	88,496) \$ (3,602,904)	1
inet Casii Flow	3 7,010,000	\$ (1,371,200)	\$ (5,00	0,430) \$ (3,002,004)
WAAC	11%	-			
B Debt	4,538,000				
9 Equity	4,336,000				
Cost of Debt	41,091,922				
1 Cost of Equity	12.00%				
2 Total liabilities	13,586,000				
3 Inetrerst expense	492,399		-		
4					
5 Sensitivity Analysis	0040,400				
6 Base NPV	\$616,460	4			
7	1524 4 404	2 2: 3			
Variable Tested		Sensitivity			
9 Unit Sales	10,547,200	1610.93%			
0 Sales Price	\$ 8,437,760.00				
1 Variable Cost	8,717,920	1314.19%	į –		