



**PRAIRIE**  
**ECO-INTEGRATED**  
**SOLUTIONS**  
EMPOWERING THE FUTURE



Communities Experiencing Food  
Insecurities

# Our MISSION

**Prairie Eco-Integrated Solutions** are committed to provide the most advanced eco friendly technologies that will be around for generations to come. To Also empower communities to become self sustaining and autonomous where all solutions can also become income producing.

- ▶ We integrate technology solutions through vertical farming to ensure education, food security, power solutions, cost efficiency, job security, and economic impact. Our partner companies are responsible for import and export of any of their products into Canada or to other countries.
- ▶ Our solutions and services are integrated and can be fully customized based on our client's immediate needs and long-term roadmap.

**Our innovative solutions focus on the following areas:**



## Customized Solution





# What Is Vertical Farming?

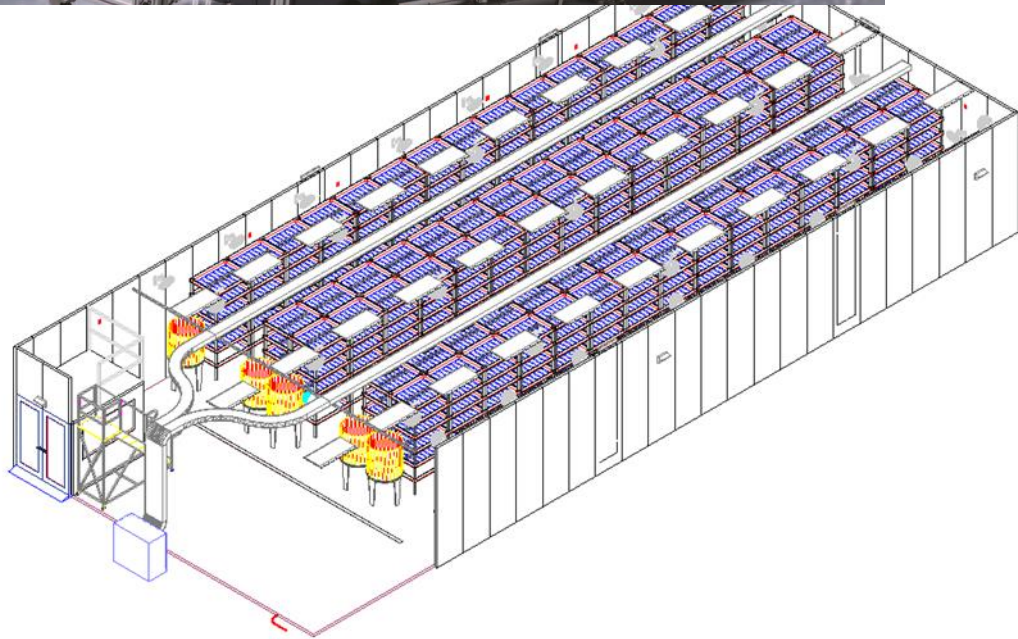




- Farming done completely indoors under artificial lighting
- Not a green house, but uses several of the same growing techniques such as hydroponics

The operation we have designed would output:

- Equivalent to approximately 75 Acres of outdoor grow
- Equivalent to 15 acres of Greenhouse grow.
- Vertical Farms are 40 feet high, 16 trays that can be adjusted based on what is being grown



## Leafy Greens

Butterleaf

Lettuce

Arugula

Kale Chard

Mustard Greens

Romaine Lettuce

Fennel

Microgreens

### Other

Peppers, aubergines,  
cantaloupes,  
strawberries, mushrooms,  
pumpkins



## Herbs

Oregano

Mint

Chives

Basil

Lemongrass

Cilantro

Parsley

Rosemary

## What Can Be Grown?

Indoor vertical farm facilities can grow a large variety of different crops. When it comes to the “best” crops to grow Leafy Greens and Herbs typically perform better than most other plant varieties. Here are just a few of the plants that grow exceptionally well in an indoor vertical system.



# The Advantage

365 Days  
Cultivation

Increase plant  
nutrition

Increase  
Reliability and  
food safety

Farming in  
any location

Small area of  
land is needed

Increase  
product quality  
and value

Minimize  
Energy  
Consumption

Minimize  
logistic cost

95% of Water  
is saved

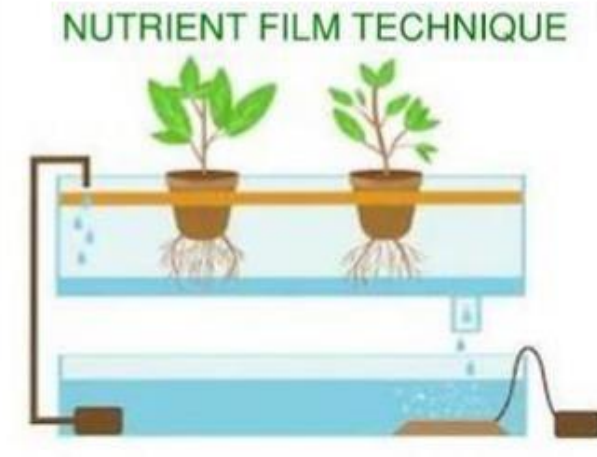
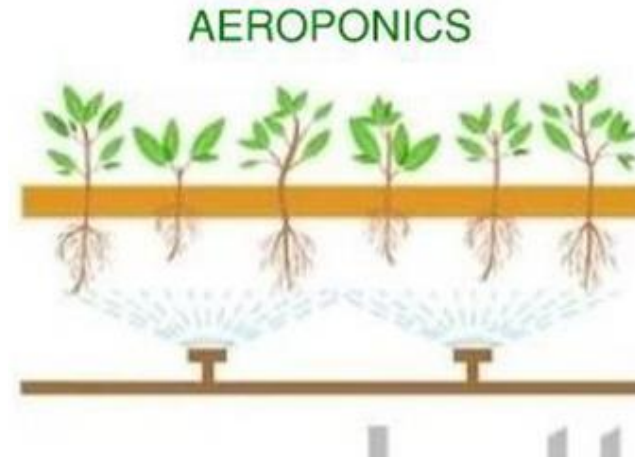
No Pesticides  
&  
No Herbicides





# Greenhouse

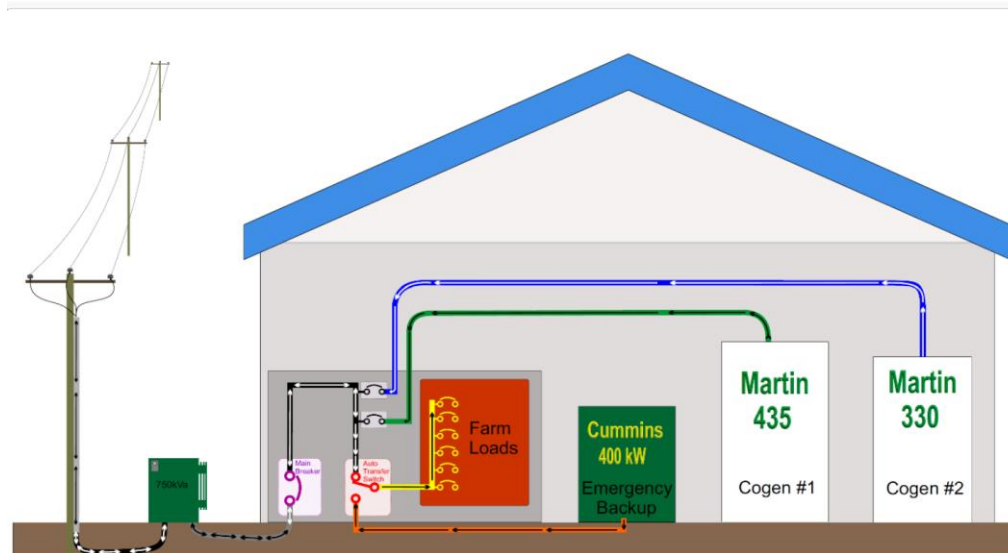
- ▶ Fully Integrated AI Technology and Solutions for Agriculture
- ▶ Using Ozone to help filter water- can be reused up to 6 times
- ▶ Indigenous Lead Supplier



Different Customised Systems



## Power Solutions with Combined Heat and Power



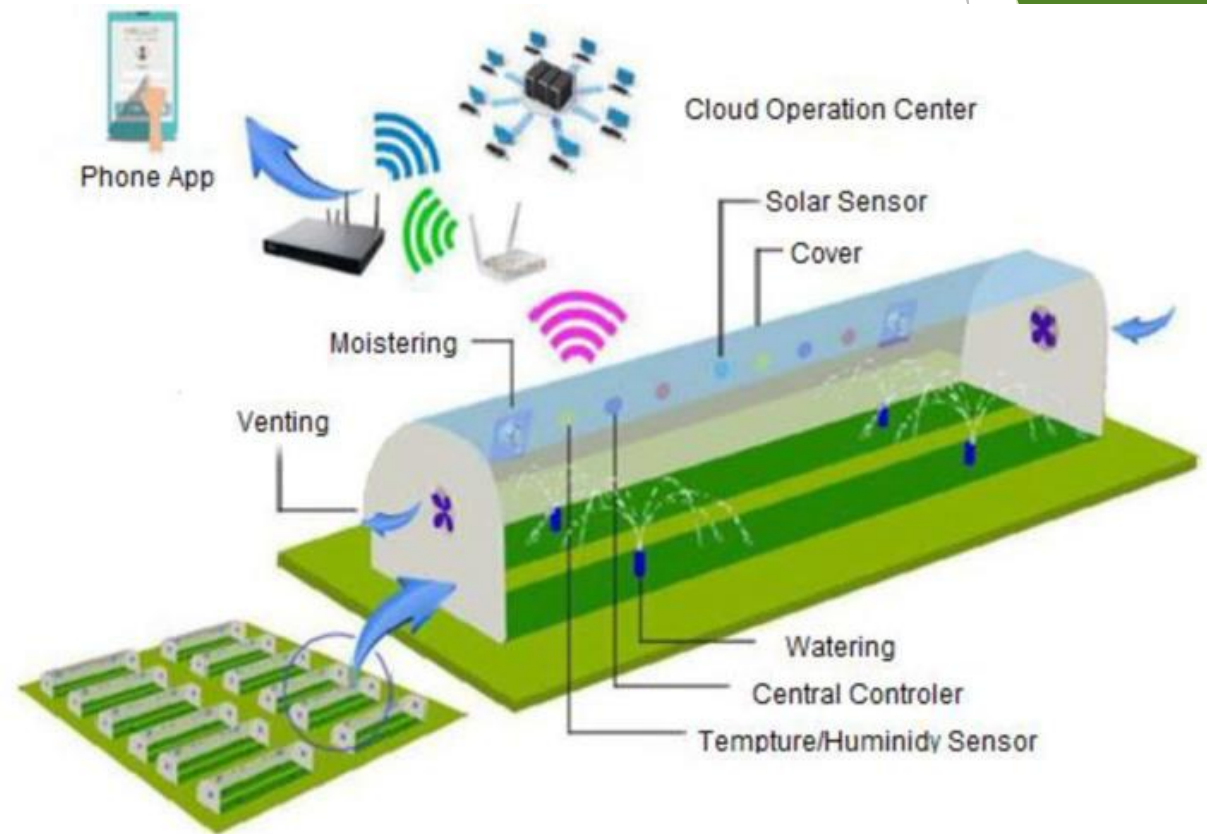


# Power

Fully Integrated Power  
Solution through AI  
Technology

Powered through solar and  
sulfur battery back up.

Fibre Optic Monitoring- Allows  
for remote communication to  
the technology.





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Thank you for your time today!