



# Deep Roots Manufacturing

January 2024

# Our Vision

**Nourishing People and Protecting Environment**

Locally grown, healthy, fresh, and pesticide free

Leafy greens, herbs, fruit, and vegetables

At affordable prices, all year round!



# The Problems with Food Today



## Food travels long distances

- Causes GHG pollution from transportation
- Arrives stale or spoiled – 50% of all US produce thrown away
- Drives up prices Northern BC = \$ 5.00 lettuce and \$ 6.00 tomatoes

## Mass outdoor agriculture unhealthy

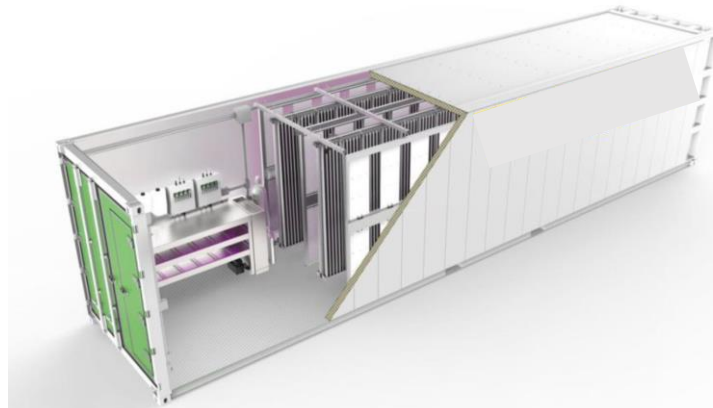
- Pesticides make it unhealthy
- Grown inefficiently and not sustainably - 70% of all fresh water is used for agriculture
- Seasonal growing only in colder climates (if at all)

# Our Solution – The Growtainer

An environmentally self-contained, modular, indoor growing facility that can be placed on any property or in any warehouse

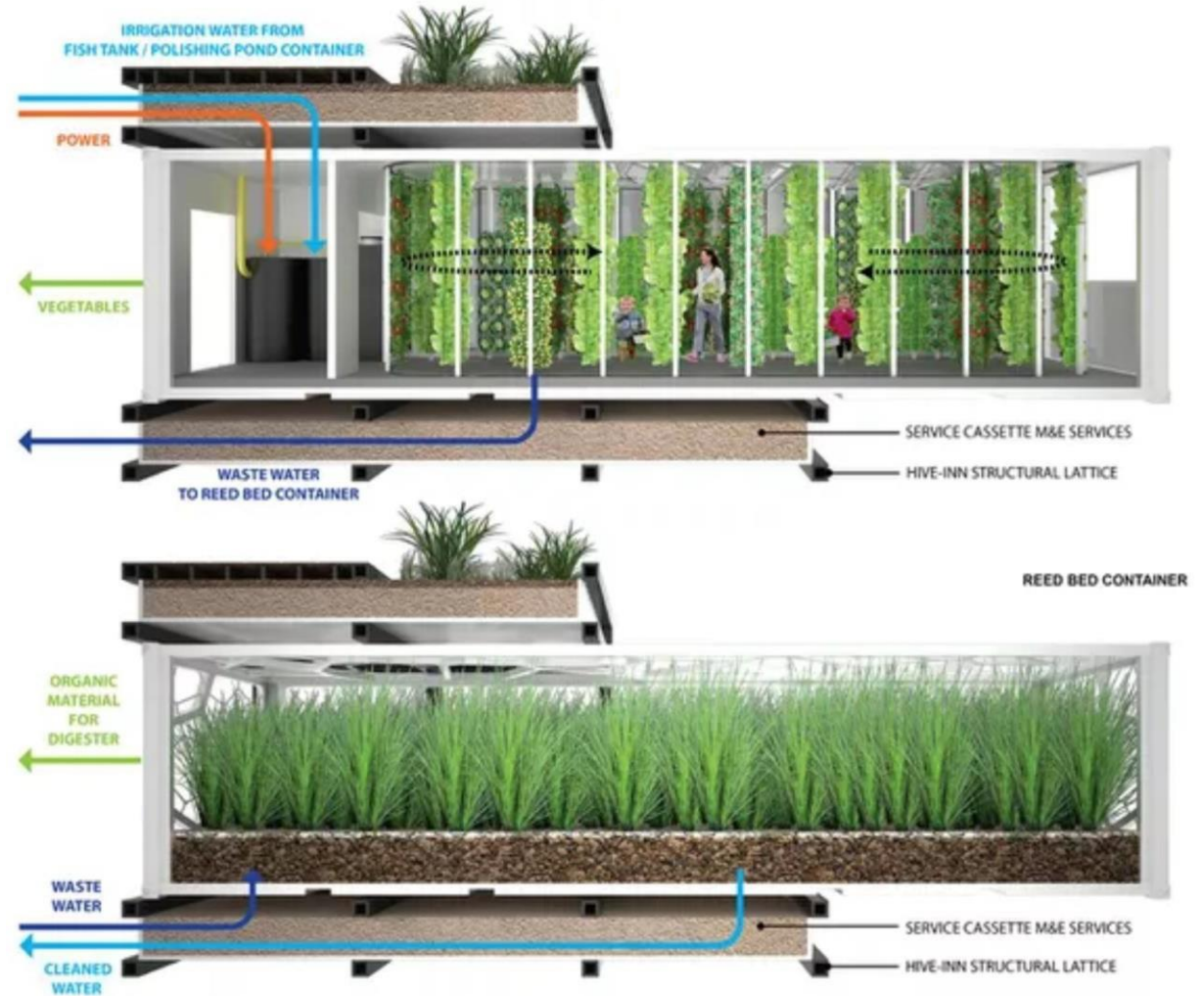
Complete with growing trays, environmental growing system, turnkey installation

With our partner Turtle Island, training, business and operational support included



# Growtainer Technology

- Growtainer module dimensions are 40 ft x 10 ft x 10 ft, with composite rust resistant panels
- Moisture resistant fixtures, stainless workplaces, powder coated and mold resistant aluminum, and hermetically sealed components
- 4 rows x 60 trays = 240 horizontal growing trays
- LEDs included
- Farm Automation and staged climate control system, integrated HVAC with dedicated dehumidification. Automated Heating and cooling with Co2 supplementation.
- Growtainer can operate anywhere in the world



# Grow quickly, cheaply, safely, anywhere and all year round

## During Growing

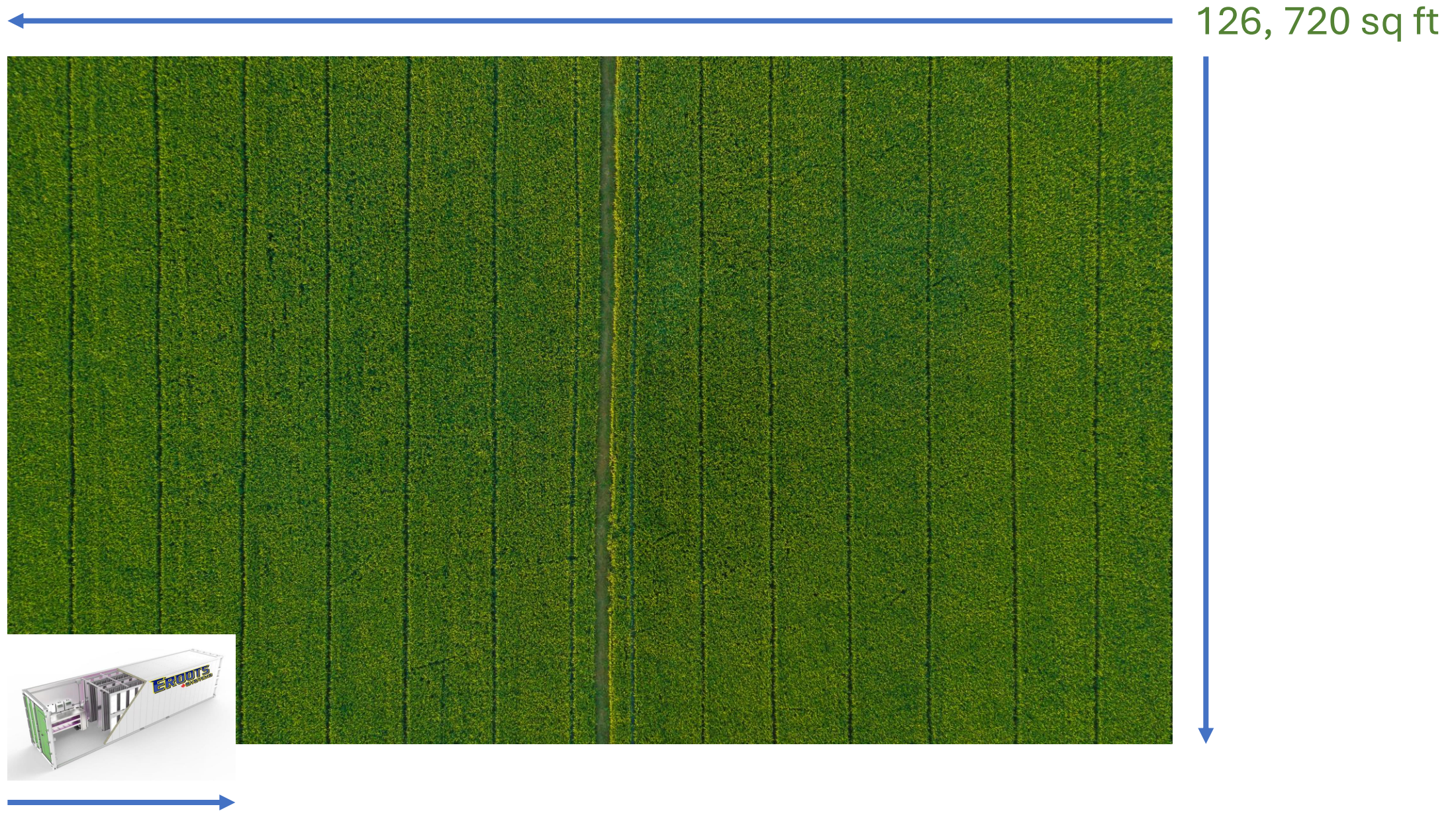
- Uses 95% less land and water, and 85% less fertilizer compared to traditional farming
- All year round and in any environment
- Only grow till peak nutrient density and harvested for demand
- Pesticide and herbicide free, fresh, and safe food

## After Harvest

- Food is cut and can be delivered to customer in 24 hours
- 100% traceable from seed to customer
- Less food waste – no outdoor growing losses and spoilage during transit to stores/customers



# Yield / Sq ft: 22x More Efficient Than Traditional Farming





## Produce grown at cents / unit

Leafy Greens

Herbs (80+)

Tomatoes

Cucumbers

Beans

Bok Choi

Baby Onions

Edible Flowers

Strawberries

Peppers

And More!

A Growtainer tomato can be grown for . \$ 50 and existing retail prices in Northern BC can go up to \$ 6.00 / tomato

# Where can you sell the food?

## Sell produce to:

- Individual homes
- Local markets / stores
- Restaurants
- Mining / Industry Camps
- Schools
- Local Food Baskets



# On-The-Job Skills and Training and Business Operations Support

## For Owners

We will support owners with:

- Growtainer and technology setup
- Recruiting and hiring staff
- Training in food storage, packaging and distribution
- Initial sales and food distribution setup
- Transportation, accounting, marketing

## For Staff

We will provide staff training:

- Growing management
- System setup and maintenance
- Packaging and food storage best practices
- Preparation for Horticulturalist and Agronomist employment



In partnership with **Turtle Island**





## Immediate Economic Benefits

### Owners

- Turn land and property into revenue generating assets
- Annual Net Profit estimated at \$ 260K, 60% of sales
- Profitable and investment returned within year 1

### Communities

- Good paying, sustainable, skillful employment
- Increased revenues and tax revenues
- Opportunities for youth to learn and train



---

## Protecting our great planet

Our Growtainer uses 95% less land and water, and 85% less fertilizer compared to traditional farming

Food travels minimal distances from harvest to table – we take trucks off the highways and reduce our partner communities' carbon footprint

We don't use pesticides or herbicides – we improve the land and give people healthier, more natural food

# Secure Your Food

Our solution directly addresses the many risks associated with today's complicated and globally bound food supply chain

Secure your community's against:

- War, pandemics, trade issues
- Flooding
- Droughts
- Lack of sunlight
- Pestilence / pests
- Poor soil conditions



# Thank You



## Deep Roots

