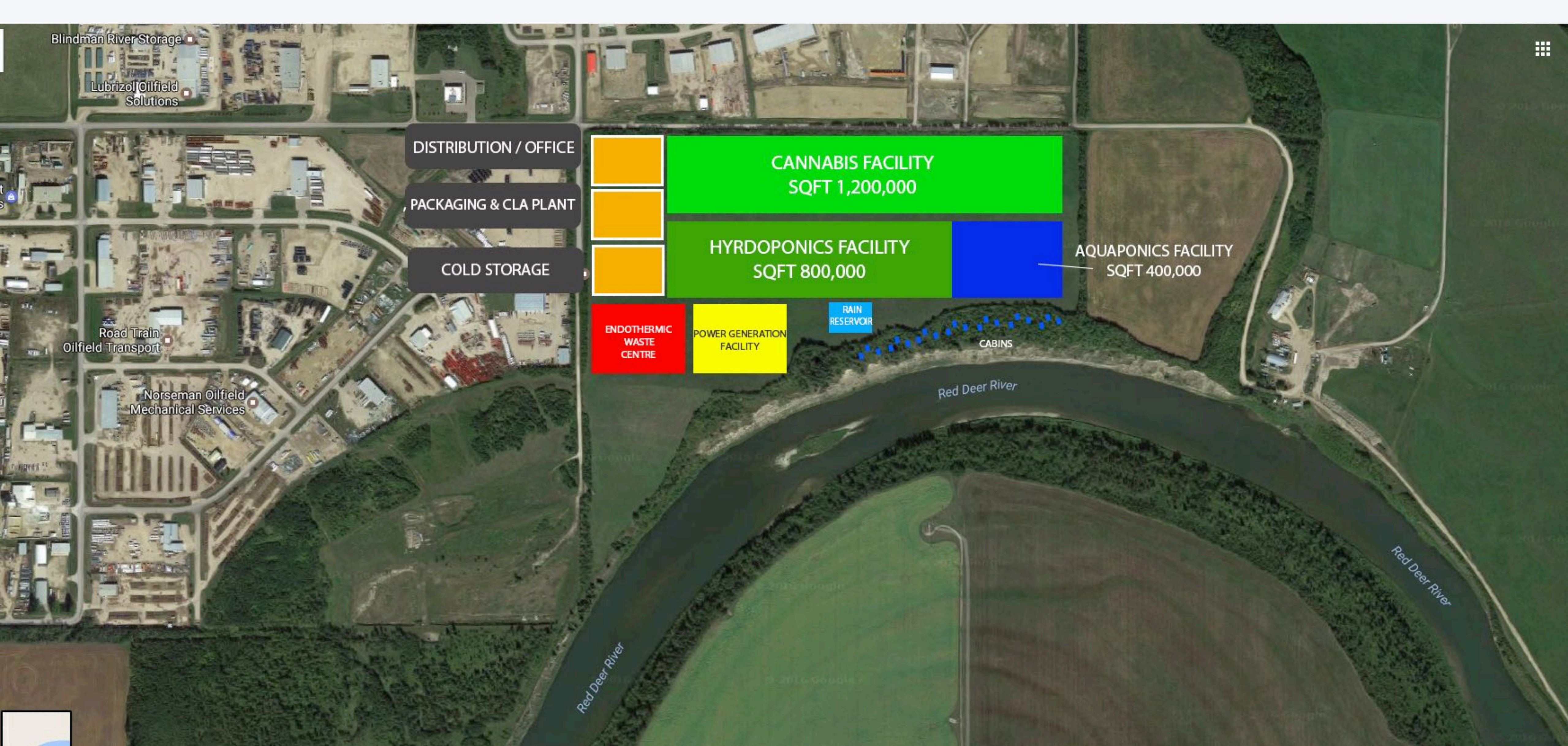


Hydroponics, Aquaponics Farm, Cannabis Facility, Cold / Storage Warehouse, Co-Packaging Plant / CLA Production, Power Generation Facility, Rain Reservoir, Waste To Bio-Fuel Chemical Facility, Cabin Rentals

Blindman Industrial Park
Red Deer, Alberta
Private & Confidential 2016





DISTRIBUTION / OFFICE

PACKAGING & CLA PLANT

COLD STORAGE

CANNABIS FACILITY
SQFT 1,200,000

HYRDOPONICS FACILITY
SQFT 800,000

AQUAPONICS FACILITY
SQFT 400,000

ENDOTHERMIC
WASTE
CENTRE

POWER GENERATION
FACILITY

RAIN
RESERVOIR

CABINS

Red Deer River

Red Deer River

Red Deer River

HYDROPONICS & AQUAPONICS



To produce leafy greens, vegetables and fish to be supplied to Canada and export based purposes.

2

CANNABIS FACILITY



Grow up to 150,000 KG of Cannabis per year, THC & CBD Bi-Product Production, co packaging & distribution

3

COLD STORAGE WAREHOUSE



Develop on-site cold storage facility, enter into relationship with VersaCold to manage operations and lease unused space.



CO-PACKAGING PLANT & CLA PRODUCTION



Automate packaging of goods for all levels of distribution and also provide co-packaging and branding for clients. Bi-Product production of CLA fish capsules and oil.

WASTE TO BIO-FUEL CHEMICAL FACILITY



Waste to Biofuels and Chemicals Facility is the first industrial scale waste to biofuels facility of its kind to turn household garbage into biofuels and biochemicals. CETRA facility (Complete Endothermic Treatment and Recovery Apparatus-Electricity / Steam) technology.



RAIN RESERVOIR



Rainfall catchment area creating rainfall into runoff and reusable water to reduce water consumption.

POWER GENERATION FACILITY



Facility with Eco-Gen Hybrid Generators. Where each pod produces 525,600 kWh annually.



CABIN RENTALS



30 Non-Combustible Units For Rental Purposes. Units will be aligned along the ridge.

Leafy Greens, Vegetables, Fish Hydroponic & Aquaponic Production

Hydroponic means growing without soil. From there, several different systems have been put together since the early sixties, starting mostly in England and Israel. Early systems were very basic, replacing soil by growing media like sand, peat moss or rockwool.

Why does it work? Because plants are not feeding on soil but on minerals hidden in the soil. The purpose of hydroponic agriculture is to make those minerals available to the plants directly through water. Modern hydroponic growing systems are using more and more water as a growing media, preventing depletion of natural resources such as peat moss or accumulation of residues like rock wool and other fibres.

While current lettuce production figures for greenhouse soil production show harvests of 108 plants/m²/year, HydroNov projects are harvesting up to 500 plants/m²/year in a wide variety of climate around the world. Produce is clean and free of any contaminants present in outdoor crops. Production schedule allow even harvest every day year round. See our videos for a description of the growing process.

Deep Water Floating Rafts Technology (DWT)

Floating Rafts Technology has been developed at the University of Arizona (U.S.A.) and at Italian Research Centres in the late seventies and has been adapted to commercial production by HydroNov Inc. from Mirabel, Canada. Since 1988, Floating Rafts Technology has been installed over thirty hectare (30ha) (3,000,000 square feet) of greenhouse in Canada, U.S.A., Mexico and Asia and has been used successfully to grow butter head and curly lettuces at a rate never reached before. Floating Rafts Technology has also been used for demonstration of public interest in EPCOT CENTRE, Florida, U.S.A.

Floating Rafts Growing Technology is certainly the most water conscious system among existing hydroponic growing systems. One of its key features is the use of a large volume of water allowing enormous buffer for fertilization and oxygen control as well as economic plants transportation by flotation. This large buffer brings a level of security and easiness that no other growing system can match. Although large volume of water is required at the beginning for filling up growing beds, equipment and know-how developed by HydroNov Inc. allow user to grow crop after crop, year after year, without having to discard any water. We just keep adding as much fresh water as plants required through evapo-transpiration. Absolutely no water is lost through soil or growing media, no direct evaporation to the sun, no dumping of growing solution, no dripping gutters; just plants' needs.

In terms of output, Floating Rafts Growing Technology will produce four times more than any soil-based growing techniques. Up than 500 heads of lettuce and 40 Kg of baby leaf can be produced from each square meter of production area on a yearly basis. Particularly well adapted for the production of any leafy vegetables, Floating Rafts Growing Technology is also a potential winner for the production of fruits and flowers and for plants' propagation.

Aquaculture & Aquaponics

Recent development in water recirculation systems for sh production are quite similar to those made for recirculated hydroponic plant production. New technologies now allow indoor production levels up to 200Kg per square meter annually according to species, helping to overcome the dramatic decrease output from traditional wild fishing.

Recirculated Aquaculture

The development of water recirculation applied to sh production has made it possible to grow several sh species in a wide range of locations in the world. One of the main advantages is to save water while increasing production levels, thus helping to protect water resources while helping to feed the world.

Multiple lots / Multi Stage Management

The approach is to multiply the number of starting lots to achieve continuous production throughout the year, thus leading to a continuous harvest output. Each lot has a set number of individual sh that will be monitored through their entire lives, thus making possible implementation of a constant quality tracking system. The end result is maximum productivity and full traceability of first quality fish.

Recirculating systems have less of an impact upon the environment because of their closed nature - wastes and un-eaten feed are not simply released into the ambient environment in the manner that they are with netpens, and exotic species and diseases are not introduced into the environment. In recirculating systems, wastes are filtered out of the culture system and disposed of in a responsible manner. Recirculating systems can be built just about anywhere, including in urban settings where they can use existing structures and be placed close to markets, thereby reducing transportation costs.

Blindman Industrial Park 120 Acre Development

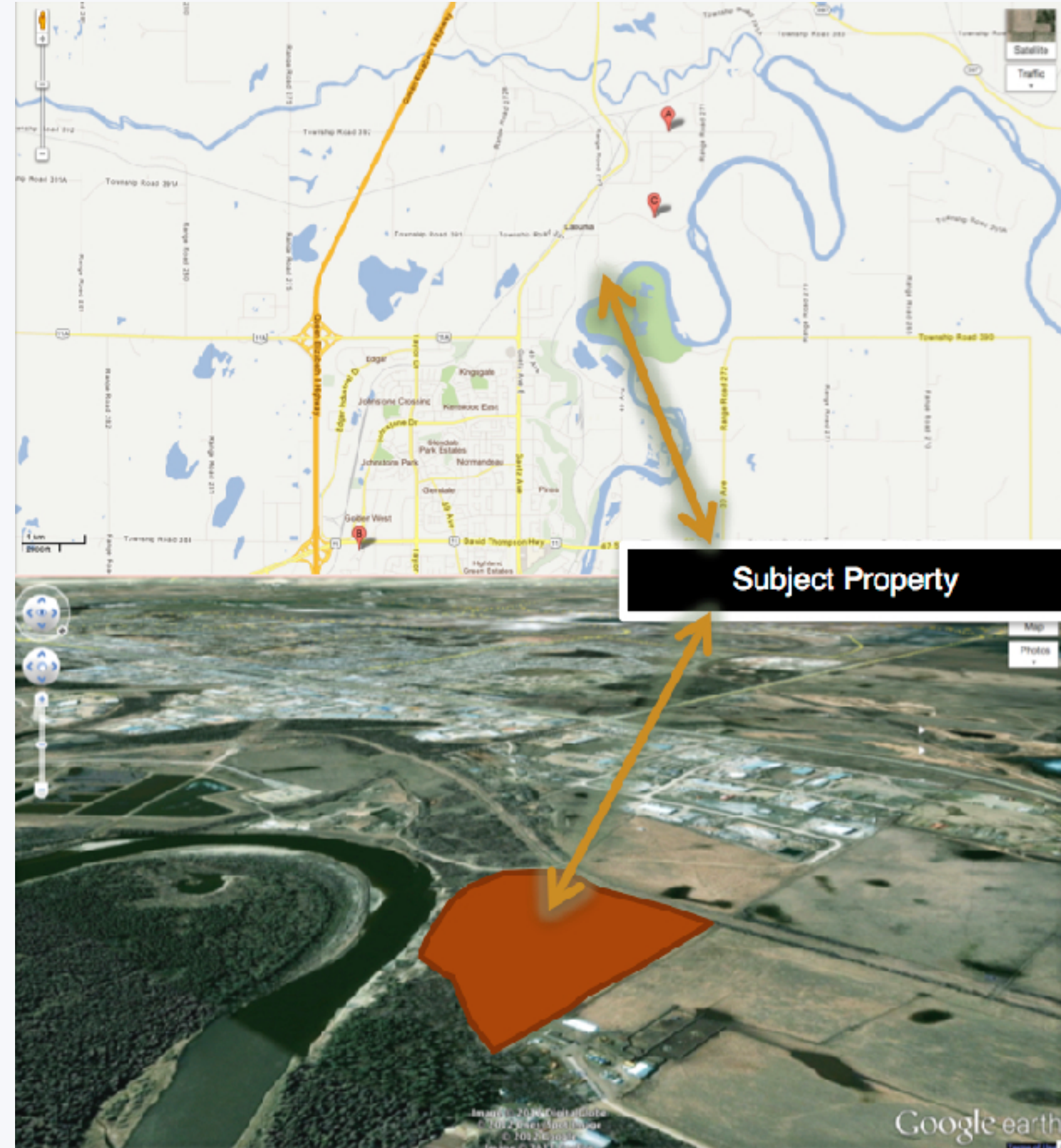
The Project

- To build 80 acres of indoor facilities to produce leafy greens, vegetables fish and fish related products. Cannabis and cannabis related products.
- To create energy efficient facilities that use renewable energy to operate.
- Allocate 5 acres for joule box hybrid generators to develop green sustainable energy for the development and provide energy back to the grid.
- Allocate 5 acres towards a CETRA facility (Complete Endothermic Treatment and Recovery Apparatus-Electricity / Steam) technology.
- Green space and parks.
- Cold storage facility, co packaging and distribution centre.

Location

120 Acres In Red Deer, Alberta in the Blindman Industrial Area
Zoning: Light Industrial
Cost of Land: \$4,800,000

The Blindman Industrial Park is situated and located in the mid-point between Calgary and Edmonton making it a perfect place logistically to export the production. The land is already zoned light industrial and ready to build to suit. The location will offer many people new sustainable jobs as the Red Deer population relies heavily on the oil industry for employment.



Blindman Industrial Park Full 80 Acre Breakdown

- Hydroponics Facility \$4.5 million / Hectare
- Aquaponics Facility \$17.5 million / Hectare
- Cannabis Facility \$15.0 million / Hectare
- Transportation / Cold Storage Warehouse and Facility 250,000 SqFt - \$40,000,000
- Rain Reservoir - \$3,000,000
- Packaging Plant - \$17,500,000
- Production of Fish Oil and Capsule Facility \$8,000,000
- CETRA Facility - \$20,000,000
- Power Generation Facility - 450 Joule Boxes \$30,000,000
- Rental Cabins x 30 = \$5,000,000
- 1 Hectare = 2.47 Acres

• **8 hectares allocated for Hydroponics - 19.76 Acres**

- Short Crop Cycle
- 20 - 60 Kg per square meter / per year depending on the crop.
- 20 hectares = 80,000 square meters
- Production of approximately 1.6 million kg - 4.8 million kg of crops per year.
- Approximate Cost Of Production: \$36,000,000

• **4 hectares allocated for Aquaponics - 9.88 Acres**

- Optimal environment and water recirculation system
- 50 - 218 tons of fish per 240 square meters per year deepening on the type of fish
- 4 hectares = 40,000 square meters
- Production of approximately 8,300 tons - 36,188 tons of fish per year.
- Approximate Cost Of Production: \$70,000,000

Crop Comparison



Outdoor Soil Farming
3 Harvests / Year



Protected Soil Horticulture
5 Harvests / Year



Protected Hyrdaponic Floating Technology
18 Harvests / Year

Advantages

- Huge buffer for fertilization and water temperature regulation
- Cost-effective and efficient internal transportation
- Excellent space utilization and fast turnover (18 lettuce crops per year)
- Permanent re-utilization of nutrient solution, no dumping of solution, rational use of water.
- Work load is easy to control and mechanize
- System technology is simple (low capex)
- Pro-environment
- Minimal use of fresh water
- No waste of nutrients
- Integrated management of pests and diseases
- Optimizes energy management and consecration
- computer assisted production and monitoring
- Ideal growing system fro lettuces including butterhead, batavia, curly, romaines, leaf, crisp etc.
- Plant cuttings for propagation.

Full 80 Acre Breakdown continued...

- **12 hectares allocated for Cannabis Facility - 30 Acres.**

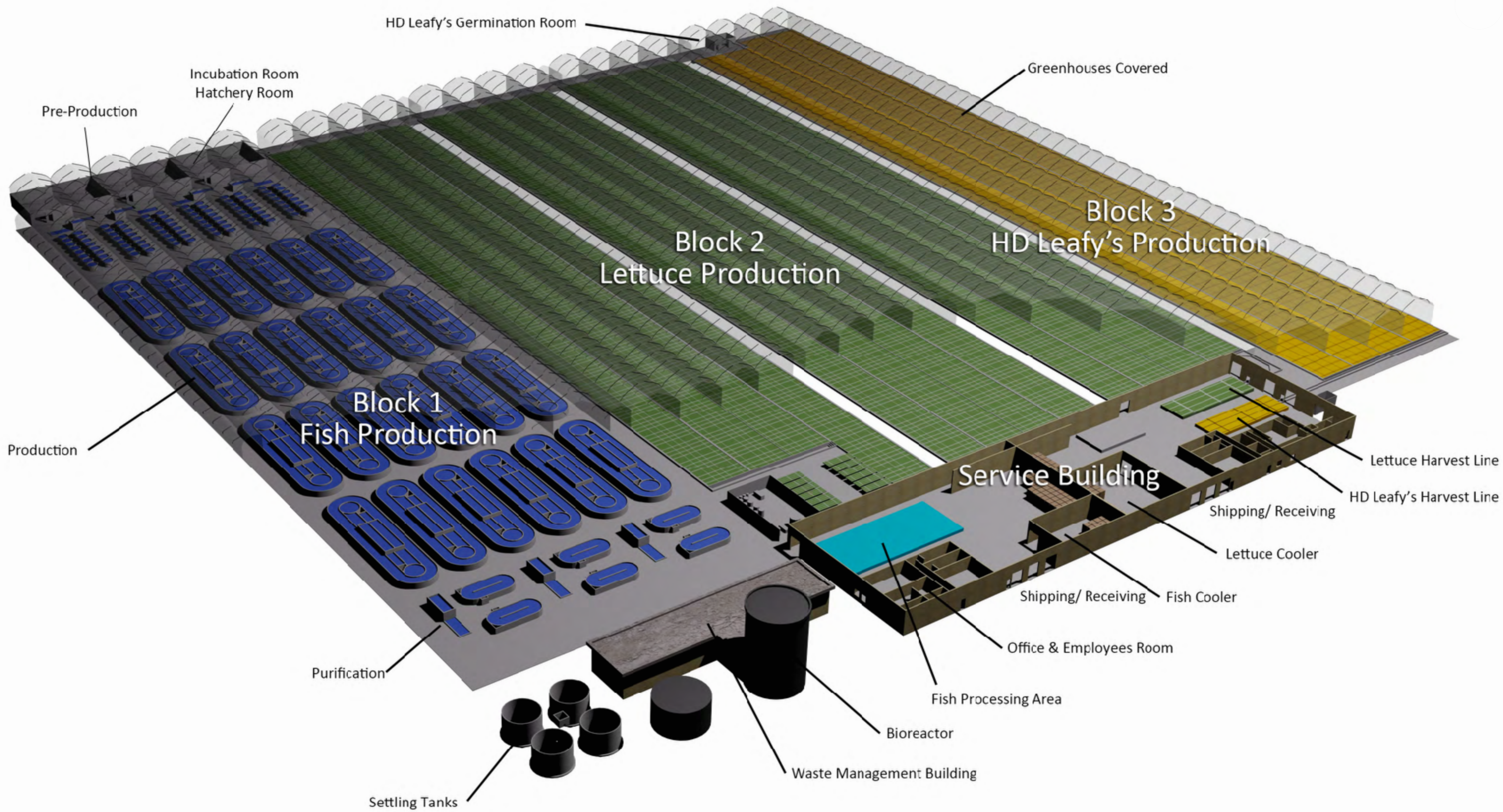
- Short Crop Cycle
- 1 Kg Crop Per Year Per 8 SqFt
- 1,200,000 SqFt Facility
- Production of approximately 150,000 Kg of Cannabis Per Year
- Approximate Cost Of Production: \$180,000,000

- **2 hectares allocated for CETRA Facility - 5 Acres**

- Can convert up-to 140,000 tonnes of municipal solid waste into approx. 38 million litres of biofuels and chemicals. Waste is decomposed 100% green and turned into recycled and sellable fuels and resources providing energy sustainability to the city.

- **2 hectares allocated for Power Generation Plant - 5 Acres**

- Provide a insulated building with 450 Eco-Gen JouleBox Hybrid Generators. Each box costs approx. \$60,000 and will produce 525,600 kWh annually.
- $450 \times 525,600 \text{ kWh} = 236,520,000 \text{ kWh}$



Hydroponics Choices Of Production



BUTTERHEAD GREEN
Butterhead Lettuce / Boston / Bibb



GREEN OAKLEAF
European Leaf Lettuces



LOLLO BIONDA
European Leaf Lettuces



BATAVIA
European Leaf Lettuces



GREEN ROMAINE
American Leaf Lettuces



GREENLEAF SALANOVA
Easy Cut



CURLY LETTUCE
American Leaf Lettuces



NOVITA
Compact Oakleaf



MIX GROWN



BUTTERHEAD RED
Butterhead Lettuce / Boston / Bibb



RED OAKLEAF
European Leaf Lettuces



LOLO ROSA
European Leaf Lettuces



RED ROMAINE
American Leaf Lettuces



REDLEAD SALANOVA
Easy Cut



BASIL



DARK BASIL



WATERCRESS



MACHE



SPINACH



ARUGUALA



BEET



CHICORY



CERVIL



WILD ROQUETTE



GREEN LEAF

ALSO:

- KALE
- RADISHES
- PARSLEY
- AMARANTH
- MIZUNA
- TATSOI
- BABY LETTUCE
- GREEN ONION
- ASIAN GREENS
- CULINARY HERBS
- MEDICINAL HERBS

Blindman Industrial Park Aquaponics Choices Of Production



GOLDEN TROUT



RAINBOW TROUT



TILAPIA



PERCH



ARCTIC CHAR



BARRAMUNDI



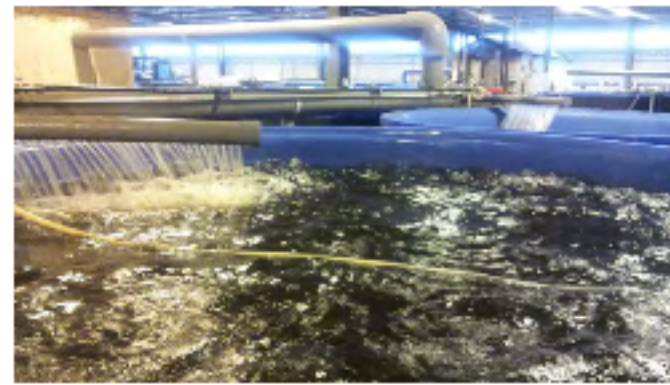
BROWN TROUT



STRUGEON

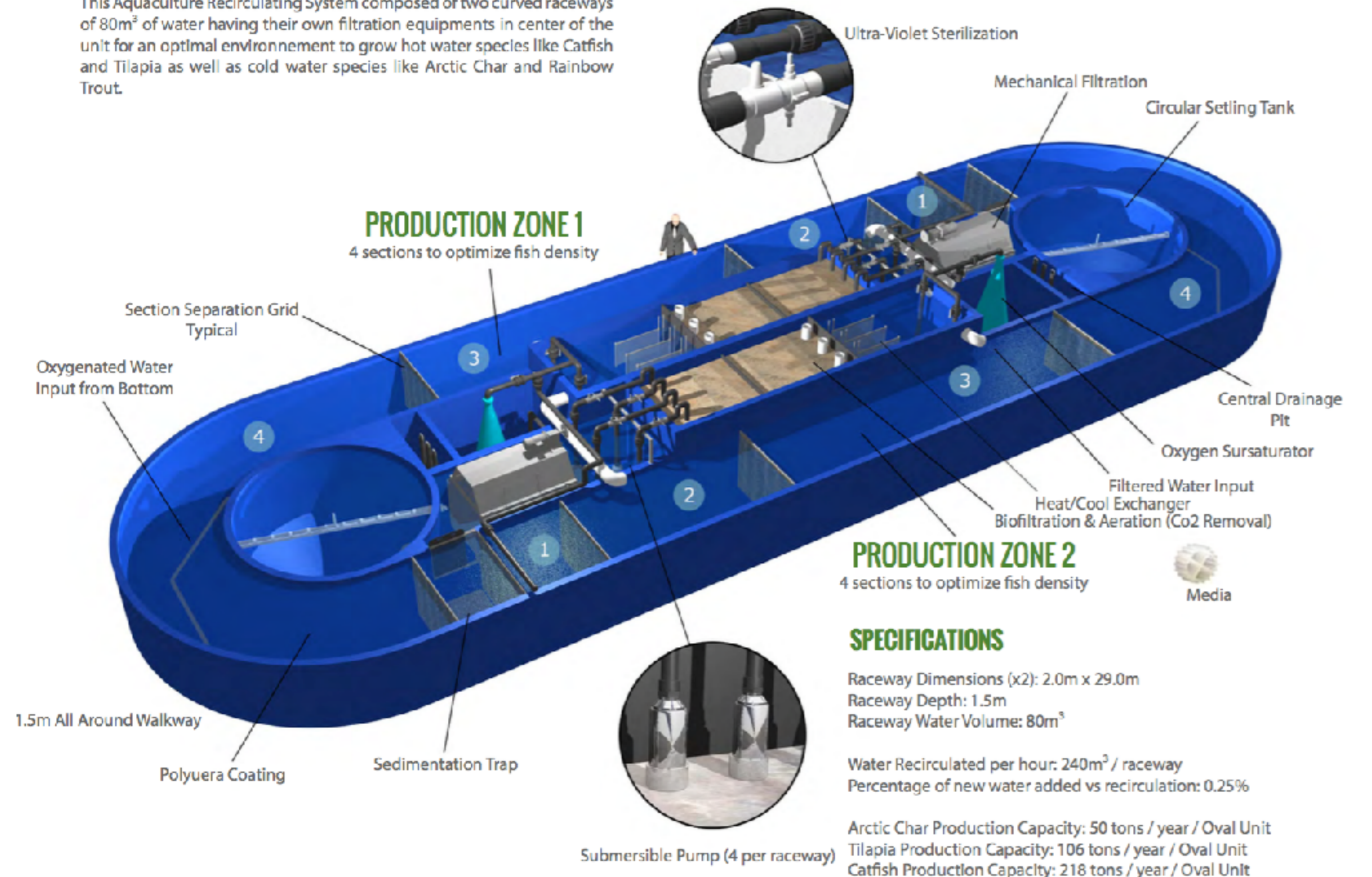


SALMON



OVAL RECIRCULATING SYSTEM

This Aquaculture Recirculating System composed of two curved raceways of 80m³ of water having their own filtration equipments in center of the unit for an optimal environnement to grow hot water species like Catfish and Tilapia as well as cold water species like Arctic Char and Rainbow Trout.



Financial Financial Breakdown

Development Breakdown

Land	\$4,800,000
Hydraponics	\$36,000,000
Aquaponics	\$70,000,000
Cannabis Facility	\$180,000,000
Transportation and Cold Storage Warehouse	\$40,000,000
Rain Reservoir	\$3,000,000
Packaging Plant	\$17,500,000
Production Of Fish Oil	\$8,000,000
CETRA Facility	\$20,000,000
Power Generation	\$30,000,000
30 Cabin Development	\$5,000,000
Marketing & Management	\$10,000,000
Engineering	\$5,000,000
Amount	\$429,300,000
10% Contingency	\$42,930,000
Total Capital Allocation	\$472,230,000

Hydroponics Financials

	Low Year	High Year
Hydroponics Harvest	1.6 million Kg	4.8 million Kg
Average Selling Price Per Kg	\$10.67	\$10.67
Hydroponics Gross Sales	\$17,072,000	\$51,216,000
Raw Materials 20%	\$3,414,400	\$10,243,200
Factory Overhead 20%	\$3,414,400	\$10,243,200
Profit Before Taxes	\$10,243,200	\$30,729,600

Aquaponics Financials

	Low Year	High Year
Aquaponics Harvest	8,300 Tons	36,188 Tons
Average Selling Price Per Ton	\$6584.00	\$6584.00
Aquaponics Gross Sales	\$54,647,200	\$238,261,792
Raw Materials 20%	\$10,929,440	\$47,652,358.4
Factory Overhead 20%	\$10,929,440	\$47,652,358.4
Profit Before Taxes	\$32,788,320	\$142,957,075.2

Hydroponics + Aquaponics Summary Revenue Forecast

	Low Year	High Year
Hydroponics Harvest	\$10,243,200	\$30,729,600
Aquaponics Harvest	\$32,788,320	\$142,957,075.2
Total Profit Before Taxes	\$43,031,520	\$173,686,675.2

Financial
Financial Breakdown

Cannabis Breakdown

	Low Year	High Year
Cannabis Harvest	75,000 KG	150,000 KG
Average Selling Price Per Kg	\$4000	\$4000
Hydroponics Gross Sales	\$1,600,000,000	\$4,800,000,000
Raw Materials 20%	\$320,000,000	\$960,000,000
Factory Overhead 20%	\$320,000,000	\$960,000,000
Profit Before Taxes	\$960,000,000	\$2,880,000,000