

ABOUT ARETE CAPITAL ASIA

Arete Capital Asia is a boutique financial advisory firm based in Hong Kong. Our two Directors have an average of 25+ years each in the financial markets.

We dig deep and push boundaries to uncover and offer compelling risk/reward opportunities for our clients.

FARM ZERO: OUR ECOSYSTEM

Using a natural cycle of fish and aquaculture combined with a bacteria cycle with vegetables produce in an organic nutrient rich, table growing environment, free from synthetic fertilizers and pesticides, in a fully controlled environment.

AQUAPONICS

- Over 200 compounds in Fish Poo that help plants absorb faster and grow richer: Healthier Produce.

TECHNOLOGY

- Best in class solutions: LED, Automation, Remote monitoring Clean growing technologies.

TRADITIONAL CHINESE MEDICINE

- Out of more than 600 herb varieties in TCM, we have centered on 10 promising strains to grow on an aquaponics basis.

DEVELOPING IP WITH UNIVERSITIES

- A laboratory on site coupled with a full laboratory at Hong Kong University of Science & Technology to build out Intellectual Property jointly owned with HK UST.

FARM ZERO: WHAT WE USE

- 90% less water
- 80% less space
- Zero synthetic fertilizer
- Zero less pesticides
- 100% organic nutrients
- 100% less run off



ABOUT FARM ZERO

Farm Zero is a Organic Growing company headquartered in Hong Kong. Farm Zero has identified Organic Growing as the highest revenue generating business while remaining focused on cultivation, distribution and e-commerce as key supporting Organic Growing businesses. Farm Zero has years of combined expertise in Organic Growing cultivation and manufacturing operations, including consulting, design, construction, management and finance. Farm Zero will invest and operate these businesses using our proven innovative technologies that consistently produce and deliver the highest quality product on the market.

EVERGREEN ADVANTAGES

MAXIMUM NUTRIENTS 24/7

- Unlike traditional farming where farmers only add fertilizers a few times per month, nutrients are consistently fed to the plants non-stop. It is then circulated back to the fish tank so that nothing is wasted.

USDA ORGANIC CERTIFIED

- Evergreens Republic is USDA organic certified since 2015. We fully understand the criteria of getting the approval and Electric Grow is designed based on these requirements.

AQUAPONICS

- Aquaponics is the key technology to next generation of large scale organic farming. Evergreens Republic has mastered this technique and is ready to deploy it in large scale.

BEST IN CLASS TECHNOLOGY

- A system that allows growers to monitor key information remotely. Low power LEDs, Climate controlled rooms.

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BUILDING OF A CLOSED LOOP ECOSYSTEM

The balance between Art & Science in balancing the eco system between veggies, fish and Black Soldier Fly (BSF)
 Creating our own 100% organic fish food: BSF - which is cleaner and more cost efficient
 Fish sludge are fed to BSF farm
 BSF is also the ideal food for crabs and shrimp.

BUILDING OF INTELLECTUAL PROPERTY

Develop own growing recipe (growing condition, growing medium, light cycle, wind speed, humidity, atmosphere) for each type of TCM.
 Obviously the trickiest part is Aquaponics because it involves bacteria, water flow, amount of dissolved oxygen, a balanced pH etc

SOLUTIONS TO GLOBAL ISSUES

1) IMPROVING NUTRITION

• Malnutrition, Pandemic Problem

Two billion individuals are reportedly suffering from malnutrition, Iron deficiency, these are some of the prevalent nutritional deficiencies present in South East Asia.

• Beating Malnutrition

Overseas studies have shown that fruits and vegetables grown organically has an improved nutritional value than food grown with chemicals.

• Vitamin Structure

Vitamins are chemically and structurally different in real food than those found in supplements. You get the most out of eating real food.

2) ECOLOGICAL CONSIDERATIONS

• Less Water Usage

Organic farming conserves water than traditional farming. Organic farming also keeps water supplies clean by keeping polluted water off.

• Chemical Free

Pesticides exposures are linked to human health problems such as Alzheimer's disease, birth defects, cancer and developmental disorders.

• Slows down Global Warming

Studies show that a healthy agricultural system helps reduce carbon dioxide and help slow climate change.

• Lack of Arable Land

The world has lost a third of arable land in the last 40 years due to land erosion and pollution which could result in a disastrous consequence for global food demand.

3) FOOD SECURITY

• Improving Food Security

Agricultural productivity is greatly increased by agricultural research and development.

• Food Security In Asia

Is particular important topic to China as well as other ASEAN countries. One common denominator in the Asia is the lack of agricultural R&D which leads to a lower index score.

• Middle East

The Middle East is water-scarce and difficult to grow crops. In Saudi Arabia, the Saudis are planning to produce food through land and water resources of other countries to cope up. Acquiring farm holdings overseas would create food shortages in other parts of the world.

FARM LAYOUT



TCM MARKET

Figure 1: Breakdown of China's pharmaceutical market (2011-2020E)

