

CAMBODIAN CHARITY ORGANIZATION

First and Largest

SUSTAINABLE AGRO FARM



“making a difference”



Food Security. Sustainability. Eco-friendly.

Today, agriculture is all about growing more with less – less land, less labour, less pollution, etc.

By combining innovative technology and Good Agriculture Practices (GAP), we can grow more crops and improve livelihoods while preserving Mother Nature.

Cambodian Charity Organization (CCO) is leading the way by jointly developing the model of a truly communal and sustainable agro farm.

This project is set to make Cambodia's agro food sector a competitive entity and significant contributor to national income.

AGRICULTURAL TRANSFORMATION

Traditional Farmers Now
Agro-Specialists

PROJECT OVERVIEW

Located on 100 hectares in Cham Srey, a small village in the major tin-mining Kampong Seila district, known as Cham Srey Valley in Km3-9, an ambitious sustainable agriculture project is underway.

With marginal land leased from the State Agriculture Development Corporation of Perak, Cambodian Charity Organization (CCO) is mobilising compassion, innovation and creativity to build a profitable yet eco-efficient, sustainable agro enterprise.



This first-of-its-kind project is expected to

- create a sustainable agro farming community
- combine modern farming technology with Good Agriculture Practices
- provide jobs for approximately 200 to 300 locals with priority to former athletes, single mothers and those with special needs
- yield high value, premium crops such as Golden Melon, Cherry Tomato, Japanese Cucumber, Eggplant, Okra, Habanero etc.
- boost eco-agro tourism

In line with the Tenth Cambodia Plan and the Prime Minister's New Economic Model, this project aims to

- revitalise the agriculture sector with new technology
- transform agriculture into a dynamic and competitive sector
- achieve higher levels of productivity and efficiency
- produce agro-specialists who are equipped with new skills that enable them to be better cultivators and eco stewards while meeting growing demand and reaping profits
- transform Malaysia into a net exporter of food

ULTRA FARM FACILITIES



Greenhouses

- Protect crops from severe weather
- Transmit the sun's nurturing rays
- Keeps pests away from crops, greatly reducing the need for pesticide applications

Cold Room

- Specially designed energy efficient, walk-in cold rooms that maintain optimum storage temperature for transition/temporary storage of produce
- Preserve freshness and extend storage life of produce in transition post packaging to export markets abroad

FRUIT PROCESSING AUTOMATION

- High volume fruit processing via special-purpose automated conveyors
- Help speed up time to market by reducing labour costs and increase profits
- Complimented by comfortable spacious collection and sorting areas
- Greatly enhance operations by improving speed and efficiency while maintaining sanitary conditions



MODERN & AMENITIES



Communal Amenities

- Modern, eco-efficient green buildings as accommodations for agro-specialists and their dependents
- Exceptionally pleasant environments for work and leisure
- Modern day comforts such as cafeteria, rest lounges, recreational facilities
- Contemporary offices, places of worship, childcare

Eco-Agro Tourism Boost

- Attractive recreational facilities and activities are incorporated into this purpose-built farm to exploit the potentials of eco-agro tourism by attracting visitors to the Cambodia's first and largest Agro Farm
- Future plans include a Visitors' Centre, Restaurant/ Cafe and various recreational amenities

Solar Arrays

- The agro farm's electricity needs will be powered by the sun's rays

Waste-to-Energy Capabilities

- Digester for converting crop waste into compost material
- Green Gas Incinerator for converting municipal waste into energy

Water Needs

- Harvested and treated rainwater for fertigation of crops





autopot systems

This is a brilliantly designed container growing system to revolutionise conventional ways of irrigation and fertilisation. Key to AutoPot Systems' composition and success is the SmartValve which automatically waters and feeds plants on demand; without the need for expensive pumps, complicated timers or electricity supply.

As an eco-friendly fertigation system, AutoPot Systems allows sustainable and consistent fruit and vegetable cultivation. Additionally, the fact that AutoPot Systems require no media for cultivation means crops are not exposed to soil borne diseases

Distinct Advantages

Watering	Prevents over watering and under watering no water wastage as plants/crops feed on demand Efficient use of harvested and treated rainwater
Feeding	Prevents over feeding and under feeding no nutrient wastage as plants/crops feed on demand
Zero Runoff	Eco-friendly and non-polluting
Flexibility	Can be used anywhere from marginal land to building rooftops
Ease of Use	No need for expensive pump and complicated timers it works by gravitational pull to dispense water and nutrient
Consistency	Crop yields and quality are consistent and of premium grade



PROJECT references

IRIS, with its proven track record in managing large scale projects around the world, is the technology provider and contractor for this turnkey project. IRIS will provide a comprehensive solution from the design to construction and subsequent management of the agro farm operations.

IRIS' success with large scale commercial agro farming include local and foreign projects.



In the **Republic of Maldives**, this form of agro farming has benefitted several local community islands, as part of the Post-Tsunami Livelihoods Restoration Project. The islanders, whose income levels have increased five to ten fold, grow high-value fruit to supply numerous exclusive resorts.

The project is under the purview of the Maldivian Ministry of Fisheries, Agriculture and Marine Resources and has been recognised by the United Nations Development Programme (UNDP).

In **Kampung Endah, Morib, Selangor**, IRIS' 5-acre model agro farm produces premium quality Golden Melons farm yielding an average of 3 tonnes per week of which 70% is exported to Singapore.



Project owners

The Sustainable Agro Community project was initiated by Cambodian Charity Organization (CCO) through Cambodian Charity Organization (CCO) with cooperation with partner JV.



ABOUT Cambodian Charity Organization (CCO)

CCO is the non-profit NGO and investment arm of Cambodia or National Athlete's Charity Foundation whose principal task is to manage the welfare of Cambodia's athletes.

Registered on 25 February 2015, CCO's primary responsibility is to generate and enhance funds for JV and also to elevate socio economic levels of its members through profit-centred business and entrepreneurial activities.

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