

THE "PRECIOUS GEMS" AMONG THE RIVER & POTENTIAL CONCERNS

Ong Ho Island is facing many challenges, from environmental issues to socio-economic development. However, hidden behind these difficulties lies great potential for sustainable growth. With diverse natural landscapes, rich cultural values, and traditional river-based lifestyles, the island possesses unique advantages that have not yet been fully explored.

Among these challenges, tourism development remains limited due to the lack of distinctive experiences and insufficient connection between existing cultural and natural resources. The agricultural sector is still mainly based on traditional production methods, resulting in low economic value and limited opportunities for local livelihoods.

If appropriate development strategies are applied, focusing on heritage preservation, ecological landscape regeneration, and high-value agricultural transformation, Ong Ho Island can become a new destination where culture, nature, and innovation coexist. This approach can create new economic opportunities, attract young generations to return, and enhance the quality of life for the local community.

Ong Ho Island is not only a historical land associated with President Ton Duc Thang but also a potential landscape waiting to be rediscovered.

AN GIANG

185 ha

NANG GU ISLAND

GIENG ISLAND

ONG HO ISLAND

RIVER ISLANDS IN THE SOUTHWESTERN REGION

POTENTIAL DEVELOPMENT

BUILT PROJECTS

Ong Ho Island

Information

Overview

Key Challenges for Sustainable Development of Ong Ho

Severe Riverbank Erosion
Serious riverbank erosion is occurring.

Transportation Barriers

Poor transportation connectivity creates difficulties for local mobility

Climate Change
Climate change impacts are increasing, creating greater risks for local livelihoods

Lack of Opportunities
Limited opportunities for economic development and social growth

Unplanned Tourism Development

Tourism lacks clear orientation, with limited connection to ecological values and local identity

Population Aging
The lack of younger generations contributes to population aging and reduced community vitality

FIELD

URBAN PLANNING

ENVIRONMENT & INFRASTRUCTURE

ARCHITECTURE & LANDSCAPE

AGRICULTURE

POLICY

Ecological and cultural tourism

Erosion control and waste management

Green architecture and the New Rural Area program

OCOP, VietGap

PROBLEMS

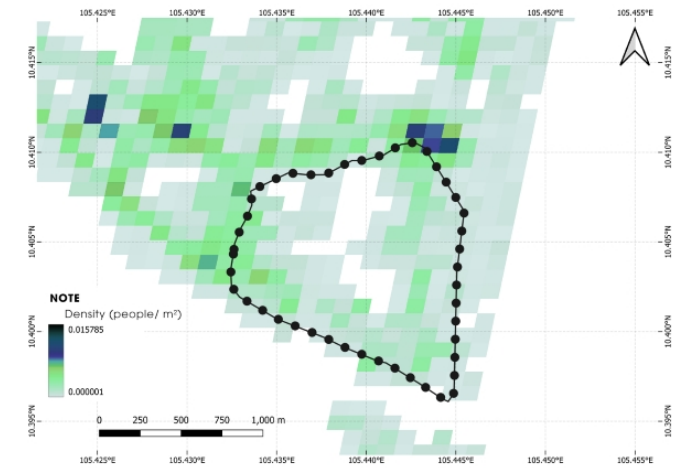
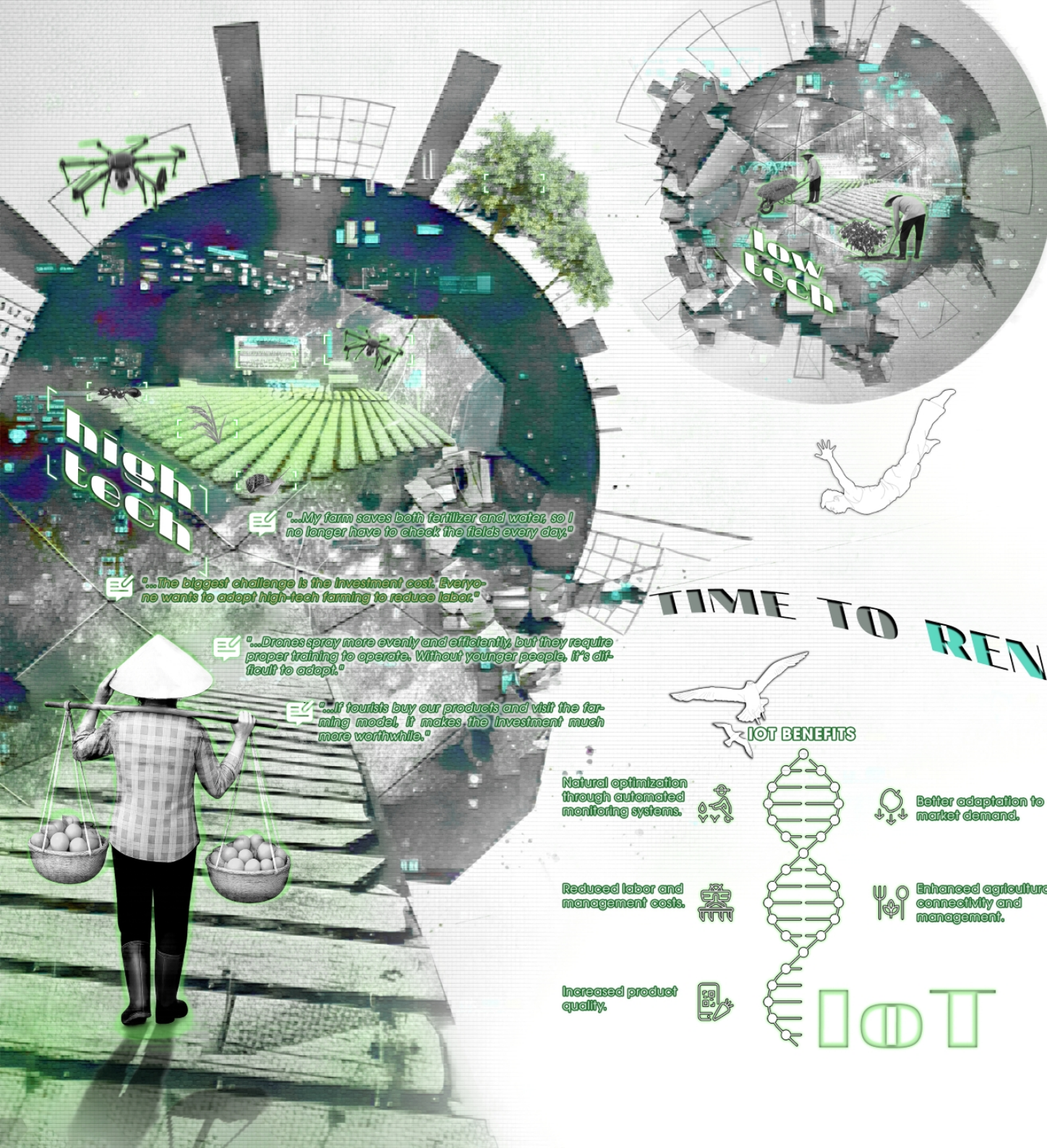
Weak linkage between local communities and development

Erosion & weak infrastructure

Lack of identity and fragmented spatial development

Traditional production methods & limited technological application

Swipe to see more



POPULATION DENSITY

The area exhibits a dispersed settlement pattern, represented by light green cells with an average density of approximately 0.005–0.010 people/m² (**equivalent to 50–100 people/ha**). Although the population density is not high, the community has established strong social and economic connections, while maintaining distinctive characteristics of a traditional rural setting. This provides favorable conditions for developing a high-tech agricultural model.

Ong Ho Island, with its fertile alluvial soil, has long been renowned for its fruit orchards, rich riverine culture, and local tourism potential. However, agricultural production still faces several challenges, including dependence on weather conditions, rising input costs, unstable market demand, and inconsistent product quality.

In the context of climate change and the rapid development of digital technology, upgrading traditional agriculture into **high-tech agriculture** has become an **inevitable trend**.

IoT (Internet of Things) enables continuous monitoring and control of soil moisture, nutrient levels, environmental conditions, and crop growth. It provides timely alerts for diseases, weather fluctuations, and irrigation demands, helping farmers optimize production costs while improving yield and product quality.

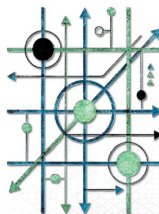
Additionally, IoT-driven digital transformation enhances transparency and traceability throughout the production chain, from cultivation and harvesting to transportation and processing. This creates a modern agricultural ecosystem, where farmers no longer rely solely on experience but make decisions based on real-time data, contributing to the development of **a smart and sustainable agricultural landscape** on Cu Lao Ong Ho, while strengthening competitiveness in both domestic and international markets.







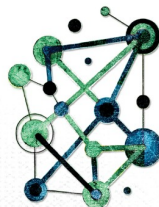
"Earth" represents historical accumulation and cultural memory. This area focuses on preserving and enhancing the heritage values of President Ton Duc Thang through memorial spaces, traditional houses, exhibition areas, and historical landscapes. It becomes the cultural heart of the project, connecting visitors and communities with the identity of the island.



"Fire" represents local spirit and community life. This zone integrates ecological tourism, homestays, cultural centers, river transportation, and public spaces. It transforms local culture into an active experience where residents participate directly in tourism development.



"Water" represents the movement of water and ecological cycles. The area includes aquatic farming, floating fish houses, hydroponic systems, and irrigation networks. Water becomes both an ecological infrastructure and an educational landscape demonstrating sustainable resource management.



"Metal" represents transformation and future development. This area integrates IoT greenhouses, research facilities, agricultural training spaces, product exhibitions, and smart farming demonstrations. The architectural identity is inspired by the image of a tiger footprint, referencing the name Ong Ho Island and creating a distinctive symbol for the project.



"Wood" represents the connection between land, plants, and human activities. This zone maintains the agricultural identity of the Mekong Delta through fruit orchards, ecological vegetable gardens, flower fields, and traditional farming demonstrations. It creates a continuous landscape experience between production and nature.



LANDSCAPE SPATIAL ORGANIZATION MASTERPLAN SCALE 1:2000

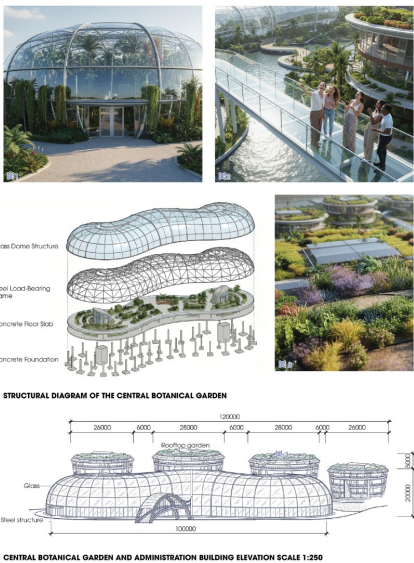
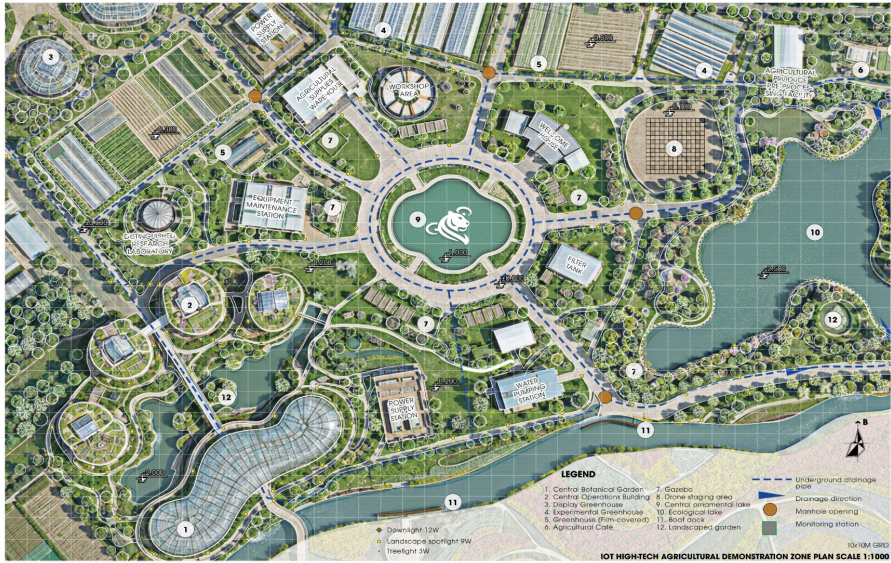
[illegible]

HUE
METAL
LIGHT

METAL REALM

INNOVATION AND SMART AGRICULTURE CENTER

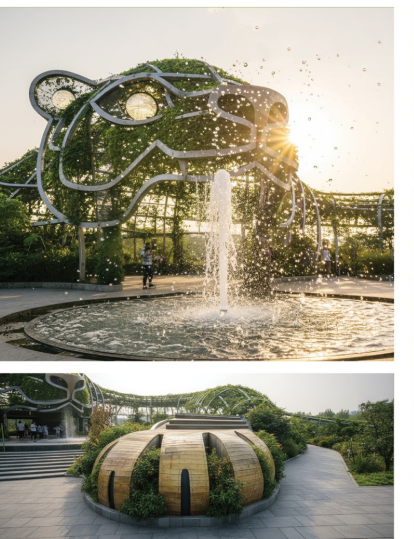
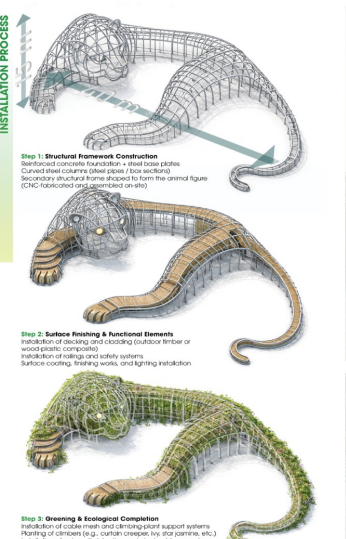
Metal represents transformation and future development. This area integrates IoT greenhouse, research facilities, training spaces, and smart farming demonstrations. The architectural identity is inspired by the image of a tiger footprint, referencing the name Ong Ho Island and creating a unique symbol for the project.



TRAINING CENTER & WORKSHOP, CONFERENCE SHOWCASE AND TECHNOLOGY SHOWCASE AND TECHNICAL ADVANCEMENT HUB

The Training Center and the Workshop, Conference, Technology Showcase and Technical Advancement Hub are designed as a central hub for research, learning, and knowledge transfer within the high-tech agricultural ecosystem. The space serves as a bridge connecting researchers, business, farmers, students, and visitors, fostering innovation and encouraging the application of modern technologies in agricultural production. The facility aims to not only develop a highly skilled workforce, raising community awareness of smart agriculture, and supporting the digital transformation of traditional agriculture.

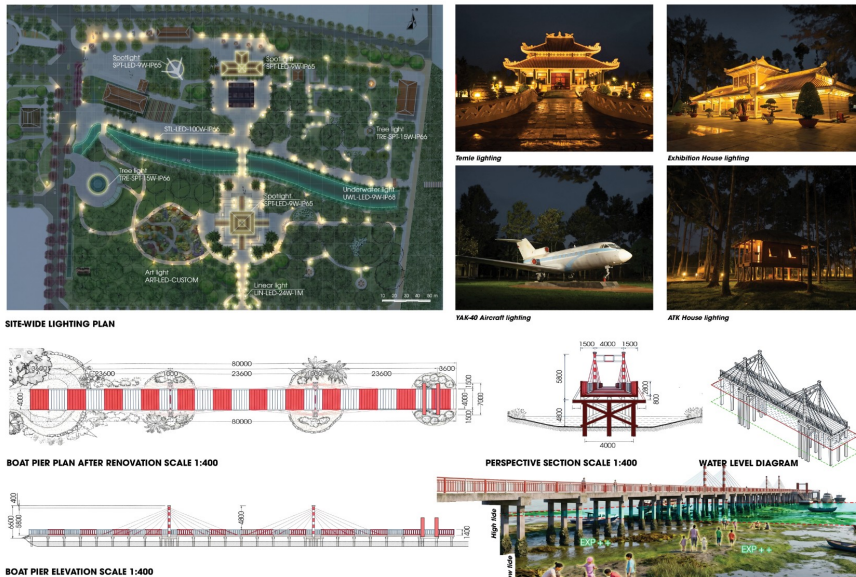
The space is organized flexibly with various functional areas, including multi-purpose training center, workshop, conference, technology showcase and technical advancement hub. It features a large open-plan space for training, demonstration, and research. The space is designed to be flexible, allowing for various activities such as training, demonstration, and research. The space is designed to be flexible, allowing for various activities such as training, demonstration, and research.



TIGER
ICONIC PARK

Tiger Iconic Park is designed as a cultural and technological landscape demonstration area. It showcases the innovative identity of Tiger Island, closely associated with the high-tech agricultural ecosystem. The park is designed to be a bridge connecting researchers, business, farmers, students, and visitors, fostering innovation and encouraging the application of modern technologies in agricultural production. The facility aims to not only develop a highly skilled workforce, raising community awareness of smart agriculture, and supporting the digital transformation of traditional agriculture.

The park is designed to be a bridge connecting researchers, business, farmers, students, and visitors, fostering innovation and encouraging the application of modern technologies in agricultural production. The facility aims to not only develop a highly skilled workforce, raising community awareness of smart agriculture, and supporting the digital transformation of traditional agriculture.



Fire represents local spirit and social connection. This zone integrates ecological tourism, homestays, cultural spaces, river transportation, and public areas, allowing local communities to actively participate in tourism development.

