Case Study-Aquaponics in China

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Outline

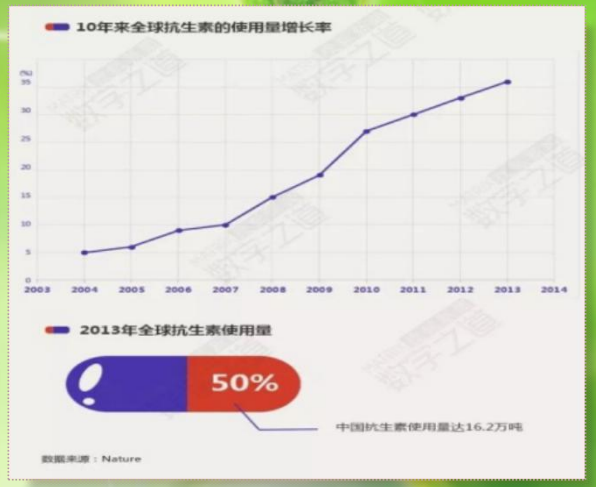
- Introduction-China Aquaponics
- Case Study-BrianCan's 1000M² Demo System
  - System Design
  - Construction and Installation
  - Operation
  - Technical Achievements
  - Products
  - Future Plan

Introduction

Agriculture Major Problems in China

- **Food safety: Antibiotics/Chemical pesticides**
- Polution: Water/Soil
- Low unit productivity

3,740,000 Tons, 2.6kg/person/year



162,000 Tons, accounts for 50% of the world's total

Introduction

Current Aquaponics in China

- Basic production: Shrimp-rice/Fish-rice symbiosis
- Landscape
- Leisure Tourism
- Greenhouse for commercial

Introduction

Advantages of Modern Aquaponic System

- **Industrial Production**: avoiding uncontrollable risks in traditional agricultural
- **Standardized Operation (SOPs)**: Quick replication and expansion
- **Food Safety**: Dual interlocking mechanism to ensure safety of all Products, no antibiotics, pesticides and heavy metal polution
- **Intensive Agriculture**: A standardized 10,000 M^2 system equivalent to 100,000 M^2 land productivity
- **Circulating agriculture**: system design ensures the complete cycle of the whole production process
- **High quality**: industrialized and standardized production ensures the best growth conditions for vegetable and fish
- **Zero Discharge**: no pollutant discharge, comprehensive utilization of waste
- **Organic Certification**: fish and vegetable products produced by the system can be certified as organic products

Case Study

BrianCan's 1000M² Demo System

- System Desigh
- Construction and Installation
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- Technical Achievements
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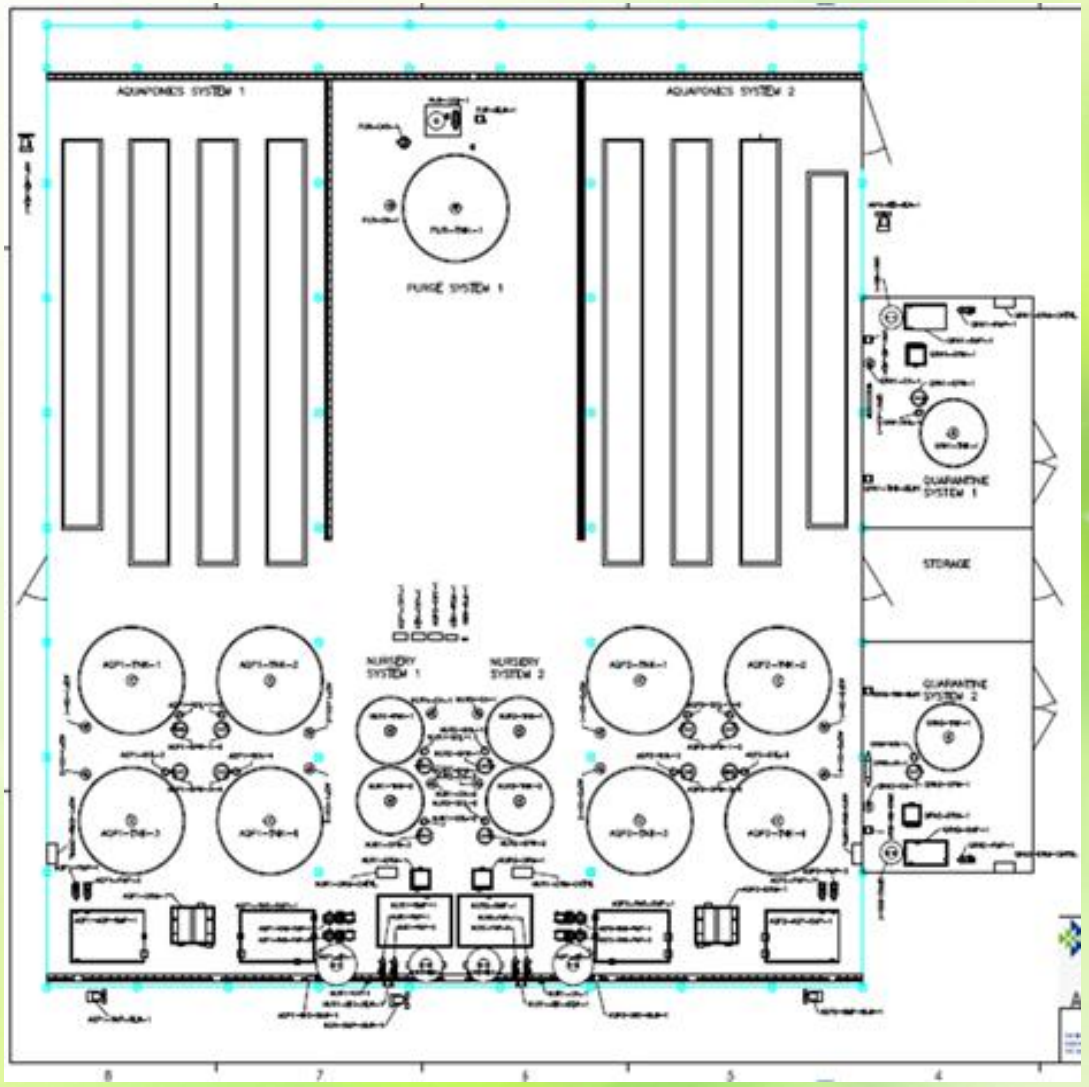
System Design



Construction and Installation

Construction and Installation

Operation

Operation

Technical Achievements

17 Patents are filed

6 of them are issued

Products



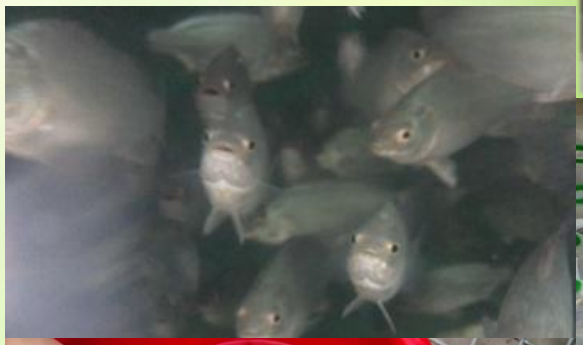






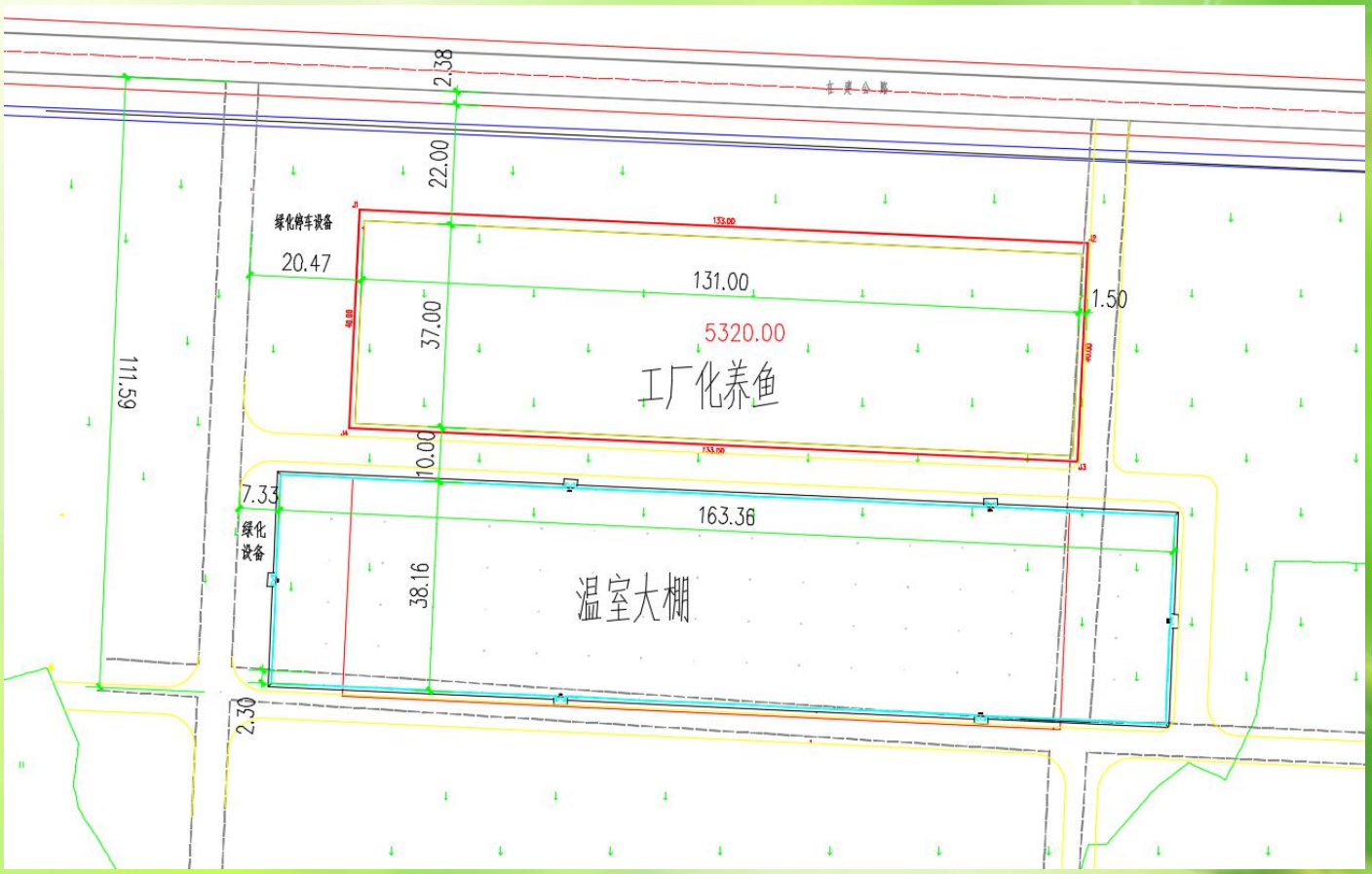



Products



Future Plan

10,000 M² standardized industrial aquaponic production system



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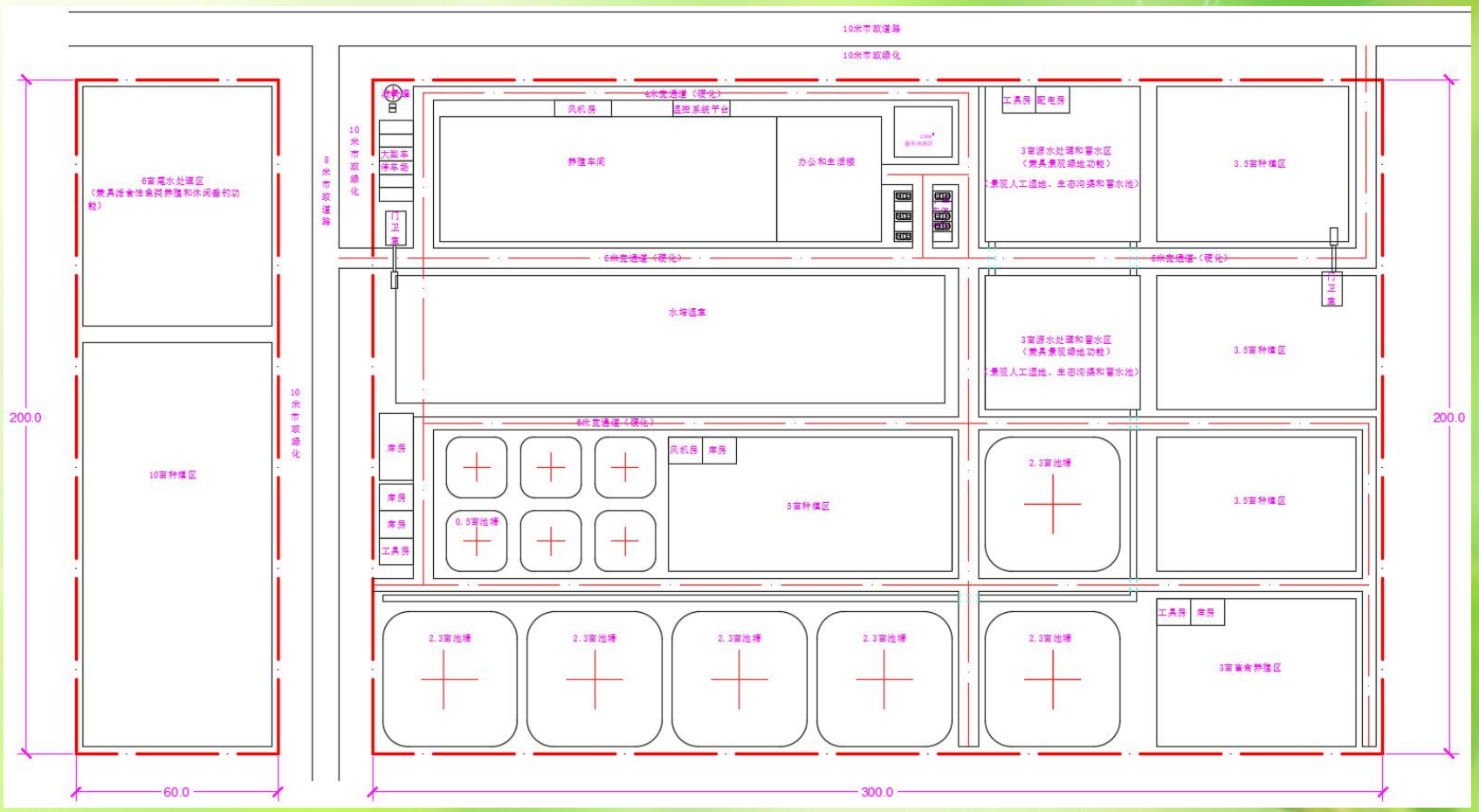


Thank you !