BRIDGE OF JINZE, BRIDGING TO THE WEB
Brief Introduction of Shanghai and Energy Planning

- Shanghai is focused on the coordinated development of Yangtze Delta region, and is forming a city-scale space structure of "multi axis, multi cores".
- Shanghai will eventually form three complementary natural gas sources.

The Plan of Natural Gas Development in Shanghai

The Mast Plan of Shanghai
Jinze town is located in Qingpu district of Shanghai. Qingpu district is in the west suburb of Shanghai. It is an important gateway connecting Shanghai, Jiangsu and Zhejiang province. The biggest freshwater lake of Shanghai——Dingshan lake Is located to the west of the district.
Existing Water System

Legend
- Fishpond
- Water
- Wetland

Analysis of the existing water system

Legend
- City-level Water Way
- District-level Water Way
- Town-level Water Way
- Fishpond
- Water

The water way rank
Analysis

- **Strength:**
  Long history with nice environment
Weakness:
Water self-restraint area controlling industry
Threats:
Environment pollution
energy and traffic demand increase stress
Part Four—Research on Current Energy and Water Recourse in Jinze

Research Method

<table>
<thead>
<tr>
<th>16 Parcels</th>
<th>16 Parcels</th>
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<tbody>
<tr>
<td><strong>Chinese Name</strong></td>
<td><strong>English Name</strong></td>
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<tr>
<td>1. 古镇民居</td>
<td>Historic House</td>
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<tr>
<td>2. 三类住宅</td>
<td>T_Residence</td>
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<tr>
<td>3. 别墅</td>
<td>Villa</td>
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<tr>
<td>4. 村落住宅</td>
<td>R_Residence</td>
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<tr>
<td>5. 商业</td>
<td>Commerce</td>
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<td>6. 农贸市场</td>
<td>Market</td>
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<td>7. 办公建筑</td>
<td>Office</td>
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<td>8. 中小学</td>
<td>School</td>
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<td>9. 医疗单位</td>
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<td>10. 庙宇</td>
<td>Temple</td>
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<td>11. 教堂</td>
<td>Church</td>
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<td>12. 市政单位</td>
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<td>鱼塘</td>
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Town-wide spatial distribution of the total consumption of energy per month
Spatial distribution of the total water consumption per month
Energy Consumption

Energy Consumption in each parcel (kg/month)

Energy Cost in Jinze Town

- Elect: 68%
- Diesel: 12%
- Petrol: 12%
- Solar: 8%
- Straw: 0%
- L_P_G: 0%

Legend:
- Elect
- Diesel
- Solar
- Petrol
- Straw
- L_P_G
The Bridge Town -- Jinze
Background of Shanghai

Background of Jinze

Strength
- Long history
- Nice environment

Weakness
- Control industry
- Water container area

Opportunity
- EXPO2010
- Entertainment economy

Threats
- Environment & landscape value

Environment & landscape value
- Developing tourism
- Existing energy analysis

Concept of bridge
- Catalyst project

Industry web

Future total energy prediction

System guideline

Spatial
- Energy
- Water usage
- Population
- Environment estimation

Scenario description & comparison

Existing scenario
- Short-term scenario
- Long-term scenario

Conclusion

Result reexamination
Tourism ↔ Agricultural & Fishery industries

- The connection between agriculture, fisheries and energy, environment
Experiencing Agriculture

- Flower Park
- Village Life
- Village Holiday

A. Sightseeing and Participation

B. Experiencing the lives of fisher and farmer

C. Making village holiday in a rural lifestyle
- Recent Catalytic Projects
- Energy Recycle in Township

Energy Recycle in Township

Recycling Town Structure
Future Catalytic Projects

Existing Community Structure

Circle Community
Tourism ↔ Characteristic inhabit industry

- The connection between Tourism ↔ Characteristic inhabit industry

Tourism  Characteristic inhabit  New typologies of building
Three Design typologies:
2. Village residential
Three Design typologies:
3. Holiday buildings
The connection between Tourism ↔ Eco-functional Industry

Tourism ↔ Eco-functional Industry
Research Park

Position in JINZE

Natural island

Floating college

Maya civilization

Research park
Floating College

Landscape images