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Rizhao: It was the first to get the sunshine".













- An important hub for One Belt and One Road:
- With two international ports and one railway linking Asia with Europe, also the Eastern Bridgehead of the New Euro-Asia Continental Bridge
- City Honer: UN Habitat Award, World Clean Energy City Award, National Sanitary City, National Model City of environmental protection, etc

Rizhao (Shijiu Bay) Central Vitality Zone: Geographic Location & Functional Zoning



Shijiu Bay Central Vitality Zon

Area: 42 square kilometers and a coastline of - 12 kilometers



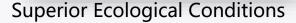
Shijiu Bay Central Vitality Zone Functional Zoning

Main Functions

- Headquarter Economy
- Business Finance
- Science and Technology Innovation,
- Business Leisure
- livable health care and other supporting functions
- University Town (Science, Education and Finance)
- Wankou (Cultural Tourism Exhibition)
- Zhangjiatai (Health and Wellness)
- Shek Wu Suo (Commerce and Trade)
- Taigong Island (Tourist Holiday)
- Halong Bay (Tourism and Leisure)
- Zibo Road (Business business)

Rizhao (Shijiu Bay) Central Vitality Zone: City Advantages



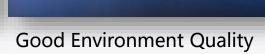


- Urban planning pays attention to ecological construction and protection
- Rich in natural resources: beaches, reefs, wetlands, et.al.



Complete Infrastructure

- Well established transportation facilities
- Urban renewal and reconstruction land provided sufficient space guarantee for construction of green building projects
- Integrated development of industry and city mature.

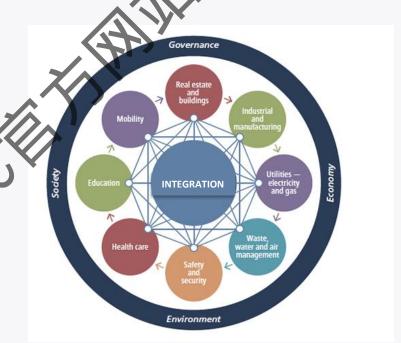


- Strategy implementation of "ecological city establishment" and achieved remarkable results;
- Rich experience in urban management of ecological and environmental protection

Rizhao (Shijiu Bay) Central Vitality Zone: Main Concerns

The content of green ecological construction needs to be further INTEGRATED as a whole.

- There are too many factors of the green ecological planning implementation, such as the sponge city, composite pipe gallery, smart city management, slow traffic construction, etc., various special crossover and integration between these factors;
- In order to ensure the implementation of quality, avoid contradictions and conflicts between the special, save social resources, to plan as a whole and integrated.



Objectives & Important Significance of Green Ecological Index System

- Objectives
- To ESTABLISH a comprehensive green & ecological index system, providing basis for sustainable development strategic decision to local government, to GUIDE city towards sustainable development.
- Significance
- To EVALUATE current situation of the development of Rizbao (Shijiu Bay) Central Vitality Zone.
- To PROMOTE the comprehensive promotion of the ecological environment of Rizhao (Shijiu Bay);
 - scientific and technological innovation and enhance the vitality and power of Rizhao (Shijiu Bay);
 - a modern urban center establishment with convenient transportation, perfect public facilities beautiful environment and pleasant and comfortable environment
- To ESTABLISH people-oriented, sustainable development demonstration of China for the APEC region and the world's benchmark



- Thoughts of Work
- Basic Principle
 - Technical Route
- Preliminary Construction Idea of Index System

2.1 绿色生态指标体系

Thoughts of Work

BASIC PRINCIPLE

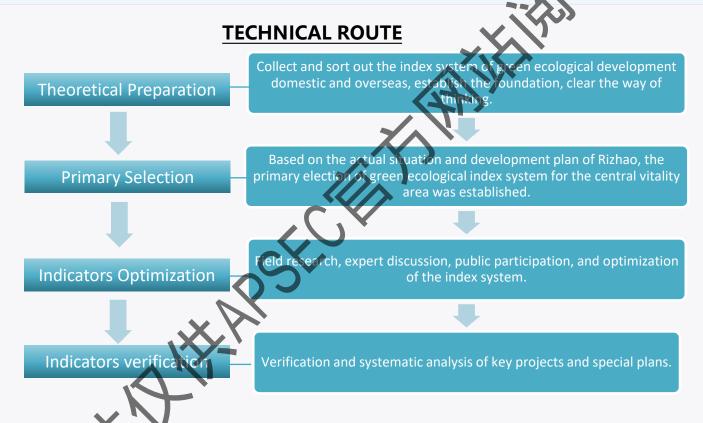
- Policy Relevance
- Comprehensiveness
- Understandability

BASIC FUNCTION

- Description
- Interpretation
- Evaluation
- Monitoring
- Prediction



Thoughts of Work: Basic Principle, Basic Function, Technical Route



Preliminary Construction of Green and Eco Index System





Resource Conservation: Green Buildings

TARGET LAYER

Resource Conservation

FIRST-LEVEL INDICATORS

Green Building

SECOND-LEVEL INDICATORS

100%

Proportion of Green Buildings

30%

Proport on y

Prefabricated building

- · The star rating of green buildings SHOULD be clearly defined.
- The star rating requirement SHOULD be included in the position Paper on Construction Conditions of Real Estate Development Projects.





Resource Conservation: Green Buildings



- One star green building: Level 3.
- Two Stars green building: Level 2
- Special planning for sponge city, rainwater collection and utilization
- water-saving irrigation: 90% of green space needs to be covered





3. CONCLUSION & FUTURE WORK

Achievement: The Provincial Green Ecological Demonstration City In 2019

RIZHAO (SHIJIU BAY) CENTRAL VITALITY ZONE

The Provincial Green Ecological Demonstration City In 2019 2019年度省级绿色生态示范城区

-The **ONLY** green ecological demonstration city in the province in 2019



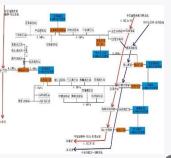
3. CONCLUSION & FUTURE WORK

Future Work: Green Ecological Development Frameworks

SPECIAL PLANNING for heating supply, green energy and other related city systems need to be carried out to support and implement proposed green ecological index system, on the basis of overall city planning and controlling provisions.









- Heating Supply
- Water Supply and Drainage
- Sponge City
- Underground Integrated Pipe Gallery
- Green Energy
- Green Space
- Green Building
- Green Municipal Administration
- Green Transportation

3. CONCLUSION & FUTURE WORK

Conclusions

- Rizhao (Shijiu Bay) Central Vitality Zone has the strong need of GREEN & ECOLOGICAL development.
- A comprehensive green & ecological development (NYEX) SYSTEM should be established.
- SPECIAL PLANNING needs to be carried out to support the implementation of proposed green & ecological development index system.
- SUPPORTING MEASURES should be proposed to ensure the achievement of GREEN & ECOLOGICAL development goals.

