

KYIV NATIONAL UNIVERSITY OF CONSTRUCTION AND ARCHITECTURE

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Master Plan of Xiangtan Shuifu Demonstration Zone

This presentation outlines the comprehensive master plan for the Xiangtan Shuifu Demonstration Zone, a pivotal project in Hunan province, China. The plan aims to transform this region into a model of sustainable urban development, combining ecological preservation, economic growth, and social well-being.

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Introduction to Xiangtan Shuifu Demonstration Zone

Vision

To create a vibrant and sustainable urban ecosystem that showcases innovative urban planning, green technology, and integrated development strategies. This zone will serve as a model for other regions across China, demonstrating the potential of sustainable urban development.

Key Features

The Xiangtan Shuifu Demonstration Zone will encompass a variety of elements, including residential areas, commercial centers, industrial parks, public spaces, and a robust infrastructure network.

Geographic Location and Regional Context

1

Strategic Location

The zone is strategically located in the heart of Hunan province, offering excellent connectivity to major transportation routes and economic centers.

2

Rich History and Culture

Xiangtan has a rich history and culture, making it a desirable location for tourism and cultural exchange. The demonstration zone will aim to preserve and promote this heritage.

3

Economic Potential

The region possesses significant potential for economic development, particularly in manufacturing, technology, and renewable energy.

Objectives and Guiding Principles of the Master Plan



Sustainable Development

Prioritizing environmentally friendly practices, resource conservation, and the creation of a livable urban environment.

Social Equity

Ensuring access to quality education, healthcare, and housing for all residents, creating a vibrant and inclusive community.

Economic Growth

Promoting innovation, attracting investment, and fostering a diverse and dynamic economy.

Ecological Preservation

Protecting and enhancing the natural environment, including water resources, green spaces, and biodiversity.

Key Components of the Master Plan



Mixed-Use Development

Combining residential, commercial, and industrial spaces to create a vibrant and diverse urban environment.

Green Infrastructure

Extensive green spaces, parks, and urban forests to enhance air quality, reduce heat island effect, and provide recreational opportunities.

Smart City Technologies

Utilizing advanced technology for efficient resource management, transportation, and public services.

Sustainable Transportation

Encouraging the use of public transport, cycling, and walking, while minimizing reliance on private vehicles.

Sustainable Urban Development Strategies



Infrastructure and Connectivity Initiatives

1

High-Speed Rail Network

Connecting the demonstration zone to major cities and economic centers across China, improving accessibility and regional integration.

2

Modern Road Network

Developing a well-maintained road network within the zone and connecting it to surrounding areas, facilitating efficient transportation.

3

Public Transportation System

Creating an efficient and reliable public transportation system, including bus lines, light rail, and pedestrian-friendly infrastructure, to reduce traffic congestion and promote sustainable transportation.





Ecological Protection and Enhancement Measures

1

Water Quality Improvement

Implementing measures to improve water quality in surrounding rivers and lakes, reducing pollution and preserving biodiversity.

2

Green Space Expansion

Expanding green spaces, parks, and urban forests within the zone to create a more livable and sustainable environment.

3

Biodiversity Conservation

Protecting and enhancing local biodiversity, including native plant and animal species, through habitat conservation and restoration efforts.



Economic Development and Investment Opportunities

5

Key Sectors

Focusing on attracting investment in key sectors like manufacturing, technology, renewable energy, tourism, and healthcare.

100M

Investment Potential

The demonstration zone offers significant investment opportunities for both domestic and international companies.

Implementation Timeline and Governance Structure



Phased Implementation

The master plan will be implemented in phases, with specific milestones and timelines for each stage of development.



Collaborative Governance

A collaborative governance structure will be established, involving government agencies, private companies, and community organizations.

