



**ENN 新奥**

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# ENN Group Profile

Founded in 1989, ENN Group is committed to the production and application of clean energies. The Group takes clean energy innovation as its mission, determines carbon dioxide (CO<sub>2</sub>) recycling business as its core strategy, and regards the clean production of coal-based energies as the breakthrough. At present, ENN has formed a complete clean energy value chain from energy production, conversion, storage & transportation, and distribution & application, which covering coal-based clean energy, solar energy and bio-energy. In order to promote the development of core energy business, we have established three supporting platforms which are ENN Science & Technology for R&D, ENN Capital for financing and ENN University for personnel capability promotion. By the end of June 2007, we had set up more than 100 subsidiaries, holding companies and offices in over 80 cities across China and in countries including U.K., USA, and Australia, etc., and had employed more than 23,000 people with total assets exceeding RMB 20 billion.



# Development Strategy

## Development Strategy of ENN Group

### Mission

Innovation of clean energy Development; Improvement of living environment; Enhancement of life quality

### Vision

To become the world class respectable energy enterprise

### Objective

Year 2020  
One of the Top 500 Global Corporations

### Business Layout

Energy Development

Energy Chemicals

Energy Distribution

Energy Logistics

ENN Energy

(Leading business, energy value chain)

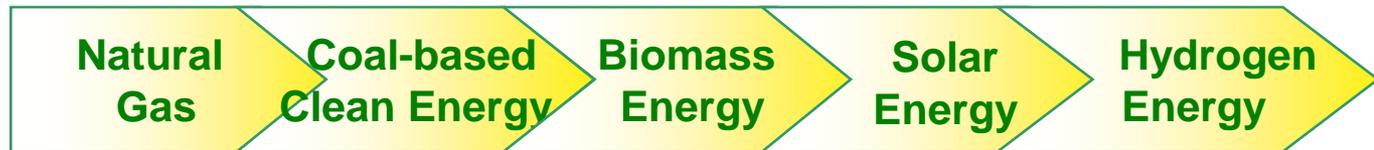
**ENN Science & Technology  
(Technology)**

**ENN Capital (capital)**

**ENN University (talent)**

# Strategic Business Segments

Focus on clean energy industry, establish clean energy industry value chain with predominant core competitiveness.



**Energy Solution Provider**

**Technology      Ability      Information      Finance**

# ENN Science & Technology Profile

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**ENN Science & Technology is devoted to providing technology support for the sustainable development of ENN's energy strategy. Relying on its international R&D and management team, it strives to make breakthroughs in CO2 recycling technology by integrating the superior science & technology resources both in China and abroad. Focusing on the core concept of "C Economy & Intelligence", ENN Science & Technology is committed to the key technologies innovation in the clean production and application of energies, continuously improve and utilize its technologies with independent intelligent property, and form comprehensive technology solutions to promote the realization of ENN's energy strategy. By focusing on developing carbon-cycling technology, ENN Science & Technology aims to provide eternal technology powers for ENN Group to realize its mission of "innovation of clean energies development, improvement of living environment, and enhancement of life quality", and finally accelerate its growth and social progress as well as the harmonious development between human and nature, economy and environment.**

# ENN Group Strategy Explanation-C Economic Model

**Vision:** To become the world class respectable energy enterprise

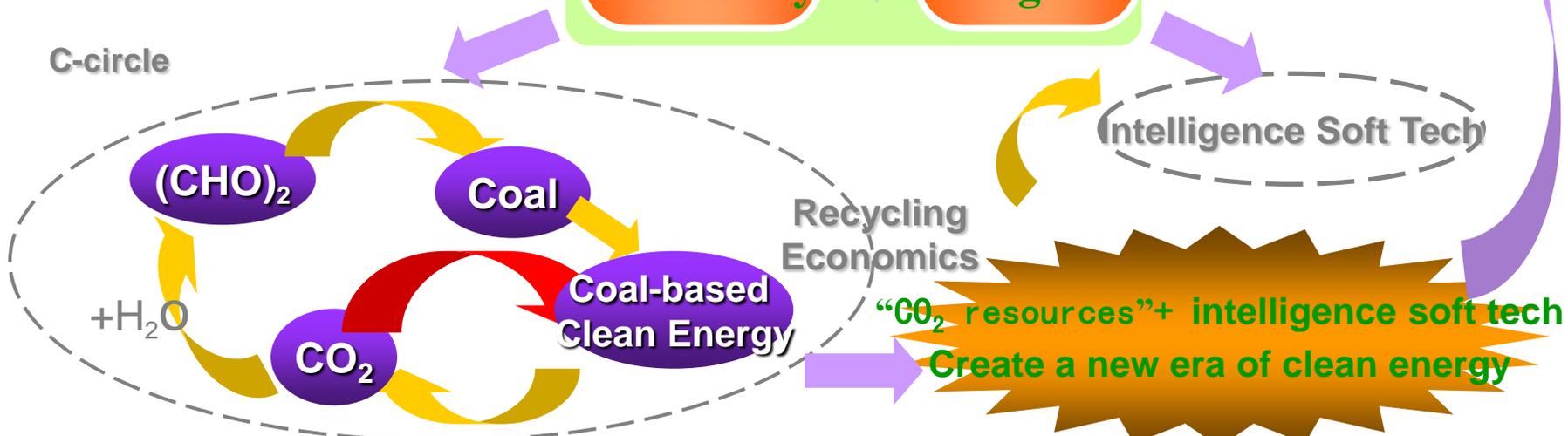
**Mission:**  
Innovation of clean energy Development;  
Improvement of living environment;  
Enhancement of life quality

☆ **Premise:**  
Innovation of clean energy

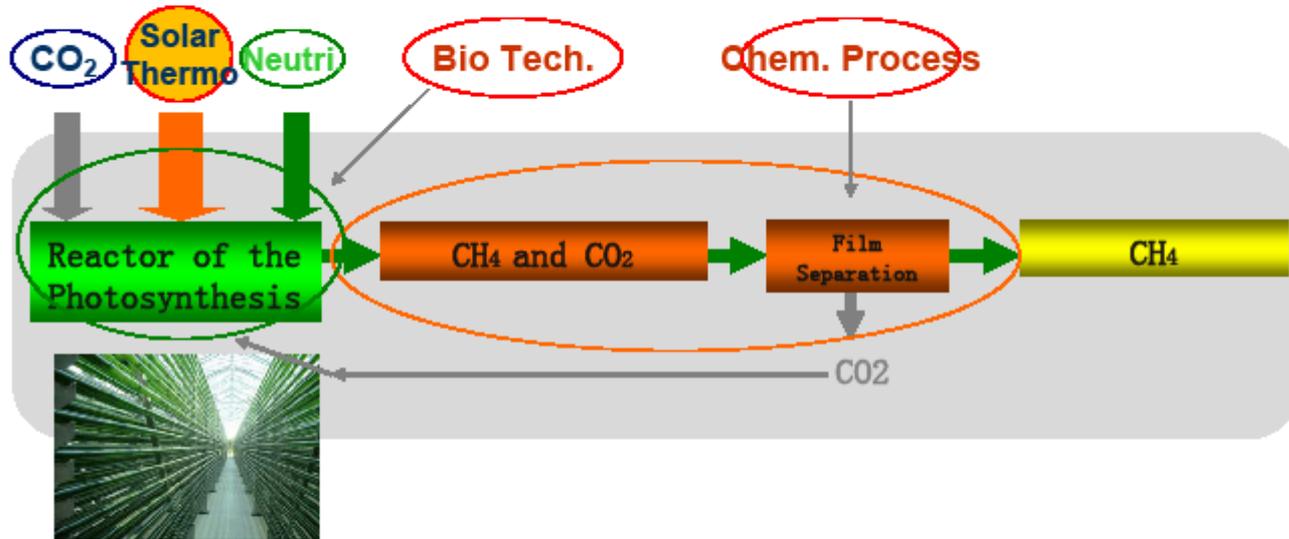
☆ **Main Part:**  
ENN technological innovation

**C Economy + Intelligente**

C-circle



# Linkage between Coal Based Energy and the Bio Energy Sector--- Using CO<sub>2</sub> as the resources

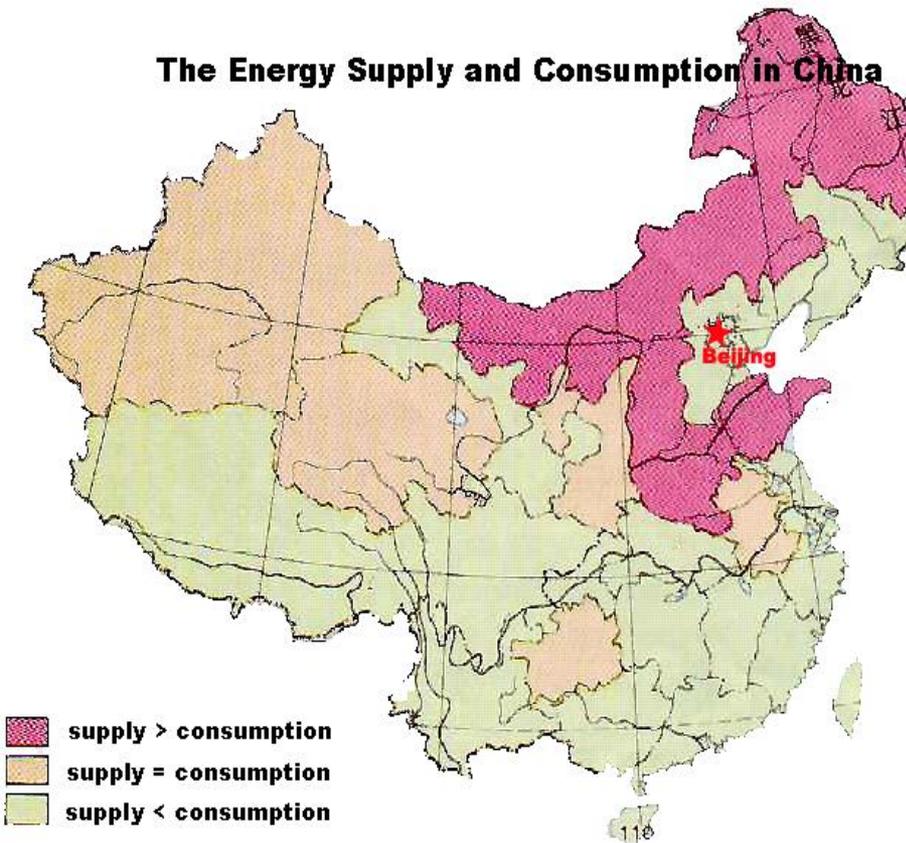


We are currently in the experimental stage, pilot site is scheduled in late 2009 in Inner Mogonia.

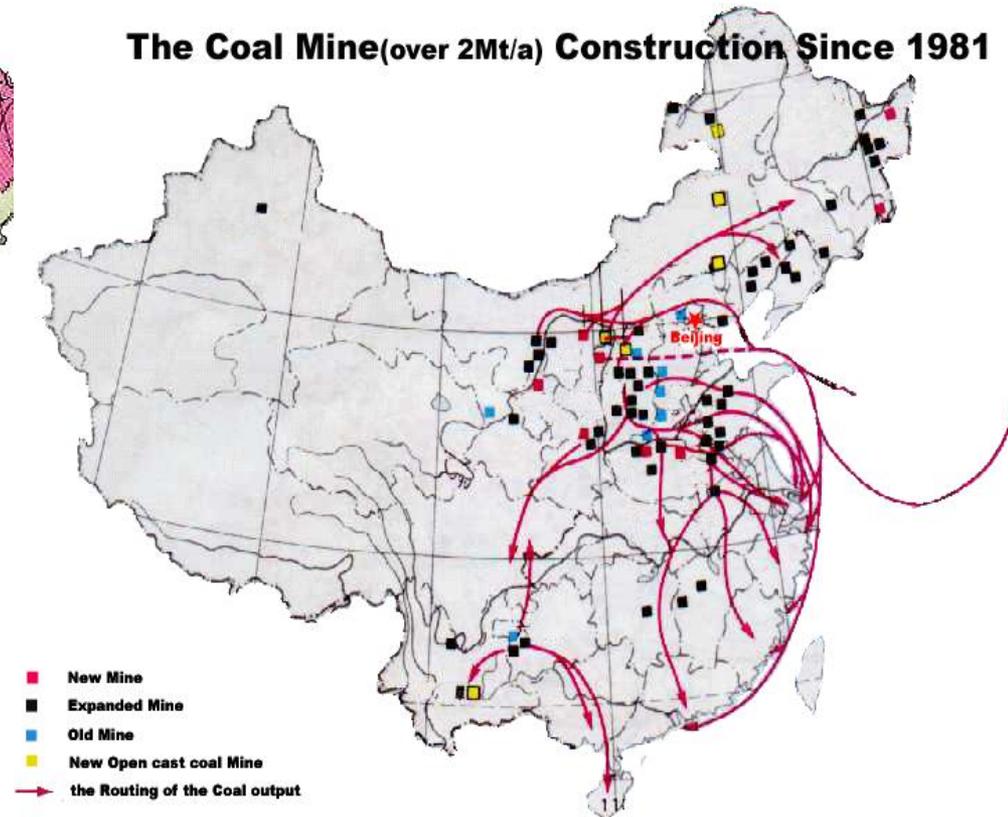
## XinAo's UCG Strategy is driven by the market.

### Coal producing area & transportation trend in China

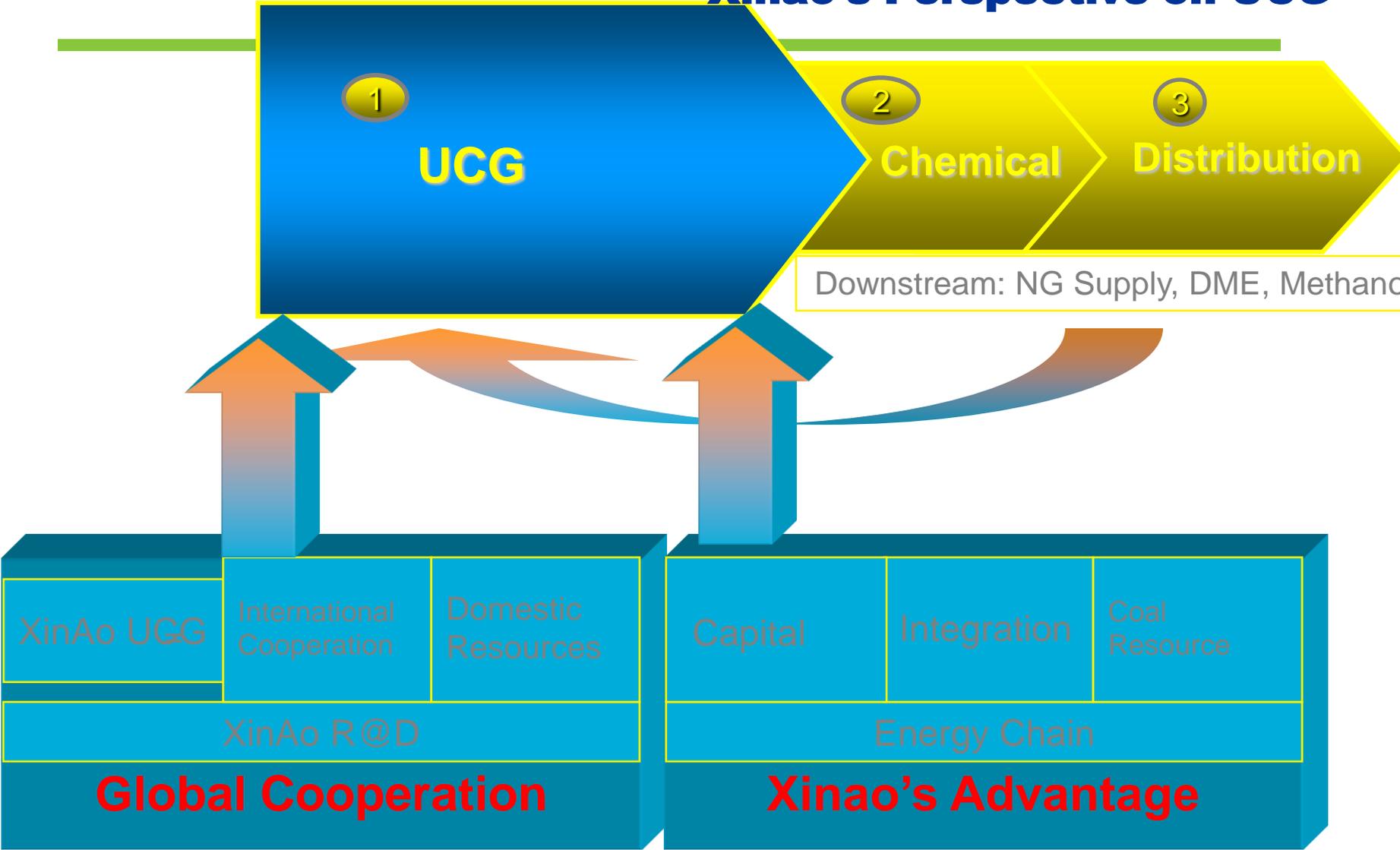
The Energy Supply and Consumption in China



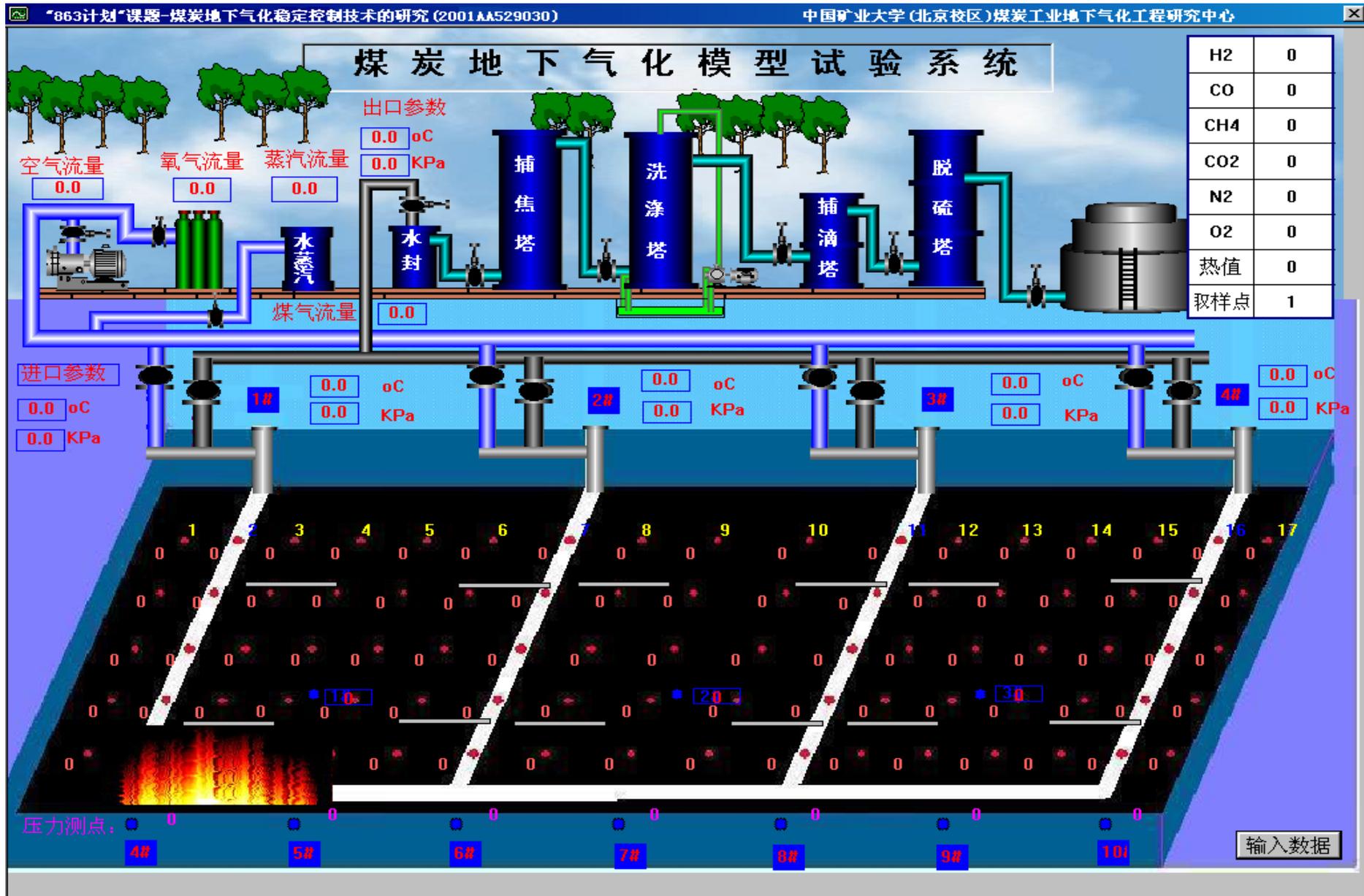
The Coal Mine(over 2Mt/a) Construction Since 1981



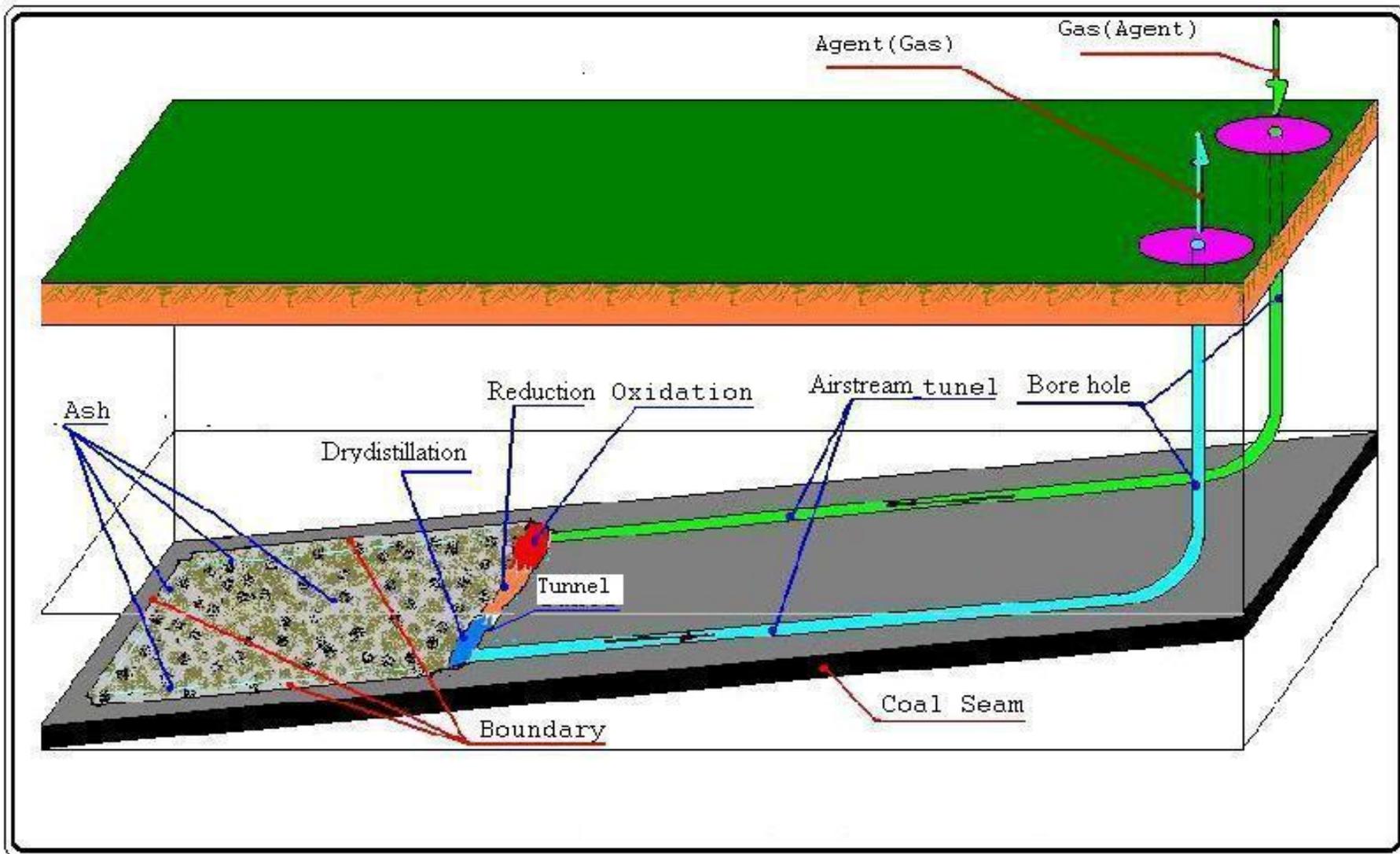
# Xinao's Perspective on UCG



# Controlling Software



# “Long Tunnel、Large Cross-section、Two Stages”



# UCG Demonstration Project in Inner-Mongolia (2006 - present)



# UCG Demonstration Project in Inner-Mongolia

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Borehole gasification, started 10/07

Gas output: synthetic gas, 150,000  
m<sup>3</sup>/d, CO+H<sub>2</sub>>60%

Gas use: methane synthesis, methanol  
synthesis

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# Thank You !

