





Elion Resource Group (Elion)

Committed to Ecological

Environment Protection and

Green Finance





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Core Business: Ecological Restoration

We use biological and ecological techniques to repair degraded lands and do comprehensive management of water resources.









Nearly 30 years' experience in desertification control "World Dryland Champion"

The world's No.1 company in term of area of desert under desertification control

Desert Ecological Restoration

Utilize comprehensive measures, like sandification prevention & control and ecological planting, to improve eco-environment in deserts, meanwhile, develop ecological industry to drive local economy





Desert Ecological Restoration

Business Model: Elion + Farmers + Industry

Elion provides seedlings and technology, and orderbased procurement. Farmers and pastoralists participate in this business through different patterns including using desertified land as capital to become shareholders, leasing desertified land for return, planting trees through labor input for compensation, and thus achieve mutually beneficial cooperation with Elion.

Core competences:

- Developed 127 eco-industrial technologies, cultivated and domesticated over 1000 droughttolerant, cold-tolerant and saline-alkali-tolerant species;
- Independently innovated more than 100 kinds of planting technologies such as "air and water jetting", "horizontal root growing technique for liquorice plantation", "spiral punching method of tree planting";
- Organized 232 farmer teams



Total desertification control area of 12,700 km² in Kubuqi Desert and Ulan Buh Desert in Inner Mongolia Autonomous Region, Taklimakan Desert in Xinjiang Uyghur Autonomous Region, and Tengger Desert in Gansu Province

亿利资源



Desertification control

Years

Poverty alleviation

people

Created ecological wealth

Over

Afforest desert

Ecological Return



Poverty alleviation since 18th CPC **National Congress**

Desertification

control

people





Invested industry fund

Invested public welfare fund

www.elion.com.cn



Classic Model of Desert Ecological Restoration **Liquorice:** Desertification Control + Ecological Industry

Excellent



Red bark; Firm texture Rich mealiness; High acid content

Scale Operation

725 GAP certificated liquorice cultivation bases. largest in the world!

Kubuai 2.200.000 mu

Taklimakan 500.000 mu

Tengger 300.000 mu

Ulan Buh 1,200,000 mu Mu Us Desert Shanghai Temple 430.000 mu

psammophyte, medicinal herb. cold-tolerant, droughttolerant. wind-tolerant. leanness-tolerant wind prevention and **Advanced Technology** sand fixation, soil improvement

> Innovation of horizontal root growing technique for liquorice plantation

Elion's liquorice industry chain model: Sustainable development model brings both ecological and economic benefits.

Desertification control; Soil improvement by nitrogen-fixing of root nodule bacteria

Medicinal herb:

Fodder:

Wind prevention and sand fixation



Ecological Restoration in Cities

- Comprehensive riverway renovation and water treatment
- Large-scale greening projectSponge City construction





Total value of ecological restoration projects: RMB100 billion

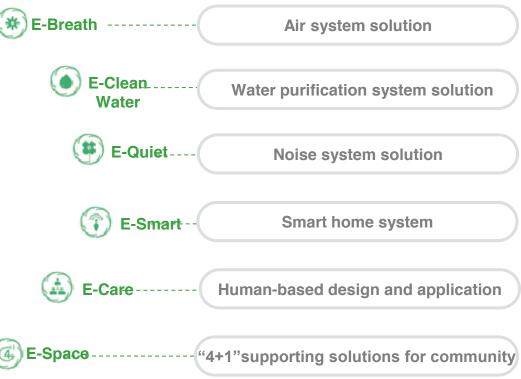




Tianjin Elion International Ecological Island

The project is located in Sino-Singapore Tianjin Eco-city, Binhai New Area, Tianjin. As **the flagship work of the Elife + Eco 3.0 system**, the project launched six ecological health systems to solve the problems associated with air, water and noise. In addition, the integration of smart home system allows residents to pay utility bills, go shopping and book reservations without leaving house.







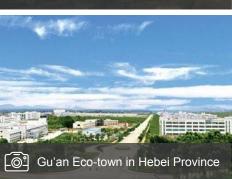
Flourishing Development of Elion Eco-towns in China

(10 Undergoing Projects)























From Ecological Restoration to Eco-environment Amelioration and Landscape Design; From Desert to City, Creating Various Unique Health and Wellness Tourism Projects





Kubuqi Desert National Park

With 30 years of experience in desertification control of Kubuqi Desert, Elion built Kubuqi Desert National Park to protect restoration achievement. The park has been rated as 4A-class desert eco-tourism resort and been recognized as "Pilot Initiative" approved by the State Forestry Administration. It has won a succession of awards including "The World's Best Stargazing Site", "The First Batch of National Low-carbon Eco-tourism Demonstration Zone" and "China Desert (Seven Star Lake) Autocross Training Base" etc.







亿利资源



Core Business: Clean Energy





Elion Clean Energy (Stock Code: 600277)

Focusing on Energy Saving and **Environment Protection** Protection and Control of Air Pollution





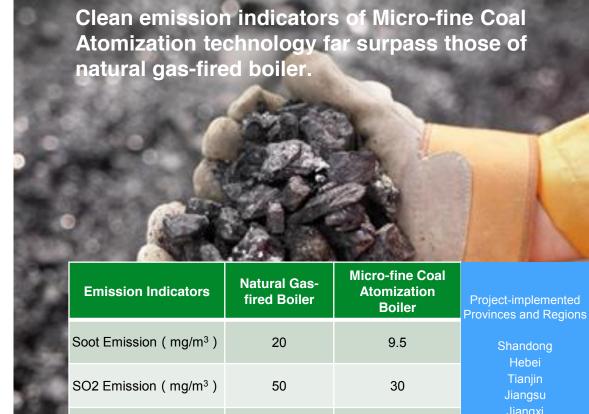




Clean Heating

Micro-fine Coal Atomization for smog reduction and coal control

"Micro-fine Coal Atomization" is an innovative technology independently developed by Elion for efficient and clean use of coal. The core technology is "micro-fine coal configuration and multiple vortex atomization", which improves the combustion efficiency to 98% and heating efficiency over 90%. Compared with traditional coal-fired boiler, this technology can realize coal saving over 30%, leaving no dust, coal, slag and soot.



Source: Soot/gas real-time monitoring data in March 2015 on Elion Clean Energy Yishui Micro-fine Coal Atomization devices from Shandong Provincial Department of Environmental Protection

87

200

Zhejiang

NOX Emission

 (mg/m^3)



Eco-solar

Innovatively integrate solar photovoltaic and photothermal power generation and energy storage technology to develop eco-solar industry base



Fully utilize ample sunlight and space of desert to develop desert solar business Implement innovative eco-solar industry characterized by "power-generating + planting + grassing + cultivation." Ecosystem: Cultivate plants and vegetables under panels (liquorice, sabina vulgaris, organic vegetables, etc.) PV: Generate power from panels

Poverty alleviation: Elion + registered poor families + villages + county government

Project	Capacity (MWp)	Schedule
Kubuqi Desert Project	1000	Completion of grid-connected power generation of 310 MWp Phase I project
Zhangbei Poverty Alleviation PV Project	220	Under construction
Zhangjiakou G6 Welcome Corridor PV Project	240	Under construction



Intelligent Energy

By implementing "Internet +"strategy and intelligent management, Elion has built a safety-controllable, ondemand, real-time settlement and two-way transaction intelligent energy system.

Current implemented projects include Thailand Lisheng rubber industrial park, development and operation of intelligent charging facilities at the National Swimming Center, industrial energy saving project of recycling industrial park in Dalad Banner, Ordos and etc.

Natural Gas

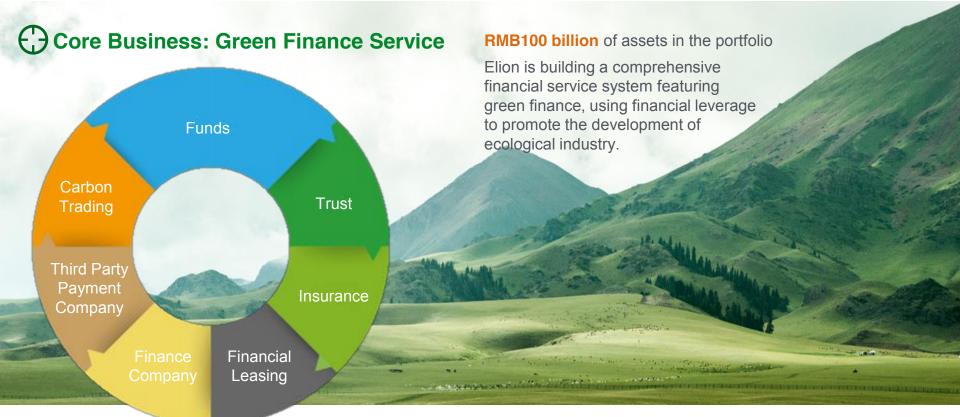
Elion is committed to natural gas business which is a representative of clean energy application. Since 2014, Elion began to invest in developing gas projects in mainland China, mainly covering industrial gas, autogas and civil gas.

Elion has more than 300 outlets in more than 100 cities of over 20 provinces in China.













J.P. Morgan
Goldman Sachs
The World Bank

CDB

ADBC

ICBC

ABC

CCB

China CITIC Bank

Pin An Bank

China Bohai Bank

Baoshang bank

Strategic Partners



Enterprise Partners

Shenhua Group

Sinopec Group

Asia Standard

Wanda Group

Chint Group

Huiyuan Group

Transfar Group

Macrolink Group

JuneYao Group

Air Liquide



International Partners

UNEP UNCCD

UNDP

IUCN

Saudi Arabia

Australia

Sweden

Sweden

Thailand

Malaysia

Israel

Mongolia

EC

AUC

AmCham China



March 4, 2016, XI Jinping, general secretary of the CPC Central Committee, visited delegates of the Fourth Session of the 12th National People's Congress, including members of China Democratic National Construction Association and Federation of Industry and Commerce, and participated in the joint group discussions. He listened to suggestions of desertification control and poverty alleviation from WANG wenbiao, Chairman of Elion Resources Group, and said he will continue to care about this and provide his support. Yu Zhengsheng, Member of the Standing Committee of the Political Bureau of the CPC Central Committee and Chairman of CPPCC, also participated in the discussion.

WANG Wenbiao, Chairman of Elion Resources Group

- 2001: National May 1 Labor Medal
- 2005: National award for Outstanding Contribution to Green Landing
- 2007: Vice Chairman of the 10th session of All-China Federation of Industry and Commerce
- 2008: Member of the 11th CPPCC National Committee
- 2012: UN award for Excellence in Implementing Environment and Development
- 2013: Member of the Standing Committee of the 12th CPPCC National Committee
- ◆ 2013: UN distinction of World Dryland Champion
- 2015: UNCCD Land for Life Award
- 2015: Award for Outstanding Contribution to the 2022
 Winter Olympics bidding
- 2016: National Award of Poverty Alleviation

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Kubuqi's ecological wealth creation model attracts world's attention

According to "The Report on Ecological Wealth Creation in China's Kubuqi Desert" at the UN Climate Change Conference in Paris on December 1, 2015:

- Outstanding achievement has been made in Kubuqi
 Desert by Elion to improve desert ecosystem, develop green industry, eradicate poverty in desert, and fight against climate change.
- Elion has created more than RMB460 billion of ecological wealth, transformed more than 12,700 km² of desert into green land, provided job opportunities to more than 100,000 people, more importantly, created a successful model based on its experience--Kubuqi's ecological wealth creation model.



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Following the nuclear power and high-speed rail,

Desertification Control is hailed by media as "the third business card for China to the world".

From 2007 to date, Elion has successfully hosted five times of Kubuqi international Desert Forum, which is the only desert forum worldwide dedicated to the world's desertification control and desert economic and cultural development, and has been put into a United Nations resolution as an important platform and means to combat desertification worldwide.





2013: Distinction of World Dryland Champion at UNCCD



2012: Award for Excellence in Implementing Environment and Development at United Nations Conference on Sustainable Development



2014: Launch of the UNEP Kubuqi Desert Eco-economic demonstration



Eco-pioneer Aims at Fortune Global 500

