



光大环境
EVERBRIGHT ENVIRONMENT

Stock Code: 257

Devoted to
ECOLOGY AND ENVIRONMENT
for a
BEAUTIFUL CHINA

APRIL 2024

China Everbright Environment Group Limited (“Everbright Environment”)

is a flagship enterprise of China Everbright Group Ltd. in the industrial sector, and is listed on the Main Board of The Stock Exchange of Hong Kong Limited (257.HK). As **China’s largest environmental enterprise, a leading player in Asia’s environmental protection industry, the world’s largest waste-to-energy investor and operator, and a world-renowned environmental group**, Everbright Environment has two listed subsidiaries, China Everbright Water Limited (U9E.SG & 1857.HK) and China Everbright Greentech Limited (1257.HK).

In 2023, Everbright Environment’s revenue exceeded HKD32 billion and the profit attributable to shareholders of the company was approximately HKD4.4 billion. As at the end of 2023, the company’s total assets were approximately HK190 billion, with approximately 13,000 employees. As at now, the company has invested in more than 590 projects, with a total investment exceeding RMB160 billion. Of which, the waste-to-energy projects serve over 100 million residents across the globe.

Focusing on three major areas, namely **solid waste, water-related business and clean energy**, Everbright Environment has formed three core business sectors of environmental energy, environmental water and greentech, in addition to two supporting sectors of equipment manufacturing and envirotech.



*The company’s business footprint spans across 26 provinces, municipalities, autonomous regions and special administrative region in China, as well as **Germany, Poland, Vietnam** and **Mauritius**.*

GOLDEN BRAND

Operation and Management

- ▶ First place in the Top 10 Influential Solid Waste Treatment Enterprises in China (for 13 consecutive years)
- ▶ A constituent of MSCI China Index (for 10 consecutive years)
- ▶ One of the Top 10 Firms with Highest Corporate Governance Index Scores (2020)
- ▶ Hong Kong Corporate Governance & ESG Excellence Awards (2017 & 2021)



First place in **Top 50 Environmental Protection Enterprises in China** (for **five** consecutive years)

Social Responsibility



Advanced Group on **Ecological Civilization in China**



- ▶ Social Responsibility Brand of the Year (for 10 consecutive years)
- ▶ Over 100 environmental education/science education bases

Sustainability

- ▶ A constituent of Hang Seng Corporate Sustainability Benchmark Index (for 13 consecutive years)
- ▶ Achievement of Net-Zero Certificate
- ▶ A Pioneering Organisation in Net-Zero Contribution
- ▶ A member of S&P Global's Sustainability Yearbook (for six years)
- ▶ The "Best 1% of Chinese Companies in S&P Global ESG Score"



Member of **Dow Jones Sustainability Indices**
Powered by the S&P Global CSA



A constituent of **Dow Jones Sustainability Index Series** (for **eight** consecutive years)

Brand



Top in Brand Value Ranking for China's listed environmental protection companies (with brand value exceeding RMB20 billion)

Technological Innovation



One of **China Top 100 New Technology Companies**

- ▶ State Scientific and Technological Progress Award (second prize)
- ▶ Environmental Protection Science and Technology Award (first and second prizes)
- ▶ The 200 tonnes/day quick loading small-scale furnace research and development and industrialisation project regarded a demonstration project by the National Development and Reform Commission of the People's Republic of China ("PRC")

SOLID WASTE

Everbright Environment focuses on the deployment of solid waste industry chain, to foster the integrated development of the comprehensive utilisation of resources and energy.

Major Business Areas

- ▶ Waste-to-energy
- ▶ Food and kitchen waste treatment
- ▶ Heat and steam supply
- ▶ Sludge treatment and disposal
- ▶ Leachate treatment
- ▶ Waste sorting, collection, transferring and transporting
- ▶ Hazardous and solid waste treatment
- ▶ Development of environmental protection industrial parks

Designed Solid Waste Processing Capacity



Household waste

nearly **160,000** tonnes/day



Food and kitchen waste

over **8,700** tonnes/day



Hazardous and solid waste

over **2.4 million** tonnes/year

The world's Largest Waste-to-energy Investor and Operator



Xiongan Integrated Waste Treatment Project

China's only and the world's second semi-underground integrated waste treatment project



Hebei Zhangjiakou Waste-to-energy Project

A waste-to-energy project supporting the 2022 Beijing Olympic Games



Jiangxi Ji'an Waste-to-energy Project

A Site for Social Practise recognised by China Executive Leadership Academy, Jinggangshan, Jiangxi Province



Hainan Boao Near-Zero Carbon Demonstration Project (EPC)

A demonstration project for China's "Peaking Carbon Emissions and Achieving Carbon Neutrality" ("Dual Carbons") strategy

Zhejiang Hangzhou Waste-to-energy Project

China's first waste-to-energy project that solved the NIMBY (Not-in-My-Backyard) effect and was established at its original construction site, and one of the company's five projects that received the Luban Prize



Jiangsu Changzhou Waste-to-energy Project

A "community-friendly plant" and "living room of the city" with public amenities but without walls, and a typical case on overcoming obstacles since the 18th National Congress recognised by the Organisation Department of the CPC Central Committee in China

Jiangsu Suzhou Waste-to-energy Project

A "garden-like factory" in the news report of China Central Television (CCTV) and one of the company's 14 waste-to-energy projects that have been granted the certificate of the National AAA-rated Household Waste Incineration Plant



Vietnam Can Tho Waste-to-energy Project

A Chinese benchmark project in Vietnam that was mentioned in a byline article by Chinese President Xi Jinping in *Nhan Dan*, the Vietnamese Newspaper, and a green benchmark of the Mekong Delta

WATER-RELATED BUSINESS

Everbright Environment focuses on the water environment management, to create value to industries through various water-related businesses.

Major Business Areas

- ▶ Municipal waste water treatment
- ▶ Industrial waste water treatment
- ▶ Reusable water
- ▶ River-basin ecological restoration
- ▶ Water supply
- ▶ Raw water protection

Designed water treatment capacity



Municipal and industrial waste water
over **6.3 million** m³/day



Reusable water supply
over **300,000** m³/day



Water supply
850,000 m³/day

China's First-Class Water Environment Management Service Provider

Shandong Ji'nan Waste Water Treatment Project

The only Chinese project in the 12 successful PPP (Public-Private-Partnership) cases in the world at the "2016 UNECE* International PPP Forum"



Shandong Zibo Zhangdian Industrial Waste Water Treatment Project

A benchmark project in terms of market-oriented industrial park environment management

Jiangsu Zhenjiang Sponge City Construction PPP Project

One of the fiscal supported pilot projects for sponge city construction in China and one of the Top 5 projects in the Building Back Better Infrastructure Award from the UNECE*



Guangdong Nanxiong Livestock and Poultry Manure Resource Utilisation Project

The company's first rural water environment management project

* UNECE: United Nations Economic Commission for Europe

CLEAN ENERGY

Everbright Environment focuses on the deployment of clean energy business to foster the development of “zero-carbon” industrial parks.

Major Business Areas

- ▶ Integrated biomass utilisation
- ▶ Solar power
- ▶ Wind power
- ▶ Environmental remediation

Designed treatment capacity



Biomass materials
over **8.1 million** tonnes/year



Installed capacity
over **230** MW

*A Leading Intelligent Energy Supplier
Dedicated to “Carbon Neutrality”*

Jiangsu Feng County County-wide Solar Power Project

A county-wide distributed rooftop solar energy project, with a total power generation capacity of 200 million kWh, thereby reducing carbon dioxide (CO₂) emissions by 180,000 tonnes per annum



Anhui Lingbi Integrated Biomass and Waste-to-energy Projects

China's first urban-rural integration project that was built in one go

Jiangsu Suzhou Wujiang Municipal Household Waste Landfill Remediation Project

A project that adopts multiple energy-saving, efficient remediation technologies that could avoid secondary pollution



TECHNOLOGY

Everbright Environment considers technological innovation as the core engine for its development, with a focus on environment-related scientific research and advanced manufacturing.

Key research areas

- ▶ High-value utilisation of household waste
- ▶ Utilisation of agricultural and forestry biomass resources
- ▶ Harmless disposal of general industrial solid waste
- ▶ Water environment treatment
- ▶ Treatment of waste water with high concentration of organic pollutants
- ▶ Big data and intelligent control



Total number of patents held
nearly **1,800**

*Breaking up Monopolies of Foreign Technologies and
Becoming a World-leading Player in the Field*

A National "Little Giant" Enterprise that uses special and sophisticated technologies to produce novel and unique projects and services, Service-Oriented Manufacturing Demonstration Enterprise, and Green Supply Chain Management Enterprise in China



Self-developed Environmental Protection Equipment



- **Core equipment for waste incineration and treatment**
 - 300-1,000 tonnes/day grate furnace series, which filled several gaps in the domestic market
 - 50-200 tonnes/day small-tonnage grate furnace series for household waste incineration, some types of which rolled off the production line and sold to internal and external clients, empowering the company to deploy county and rural markets
 - Flue gas purification system
 - Leachate treatment system



- **Food and kitchen waste treatment equipment**
- **DTRO membrane treatment equipment**

RESPONSIBILITY

Pollution Reduction

Everbright Environment offers high-quality environmental services to continuously improve the living and ecological environment.

- ▶ In 2023, the company processed more than 60 million tonnes of household waste, hazardous and solid waste, and agricultural and forestry waste, which aggregately provided nearly 26 billion kWh of green electricity, equivalent to saving more than 10 million tonnes of standard coal and avoiding CO₂ emissions of nearly 14 million tonnes, which is equivalent to the volume of CO₂ absorbed by approximately 770 million trees in one year*. It also treated more than 1.7 billion m³ of waste water and more than 12 million m³ of leachate, which reduced chemical oxygen demand (COD) of 850,000 tonnes.

Carbon Reduction

The company leverages on its business characteristics and advantages to proactively implement China's "Dual Carbons" strategy.

- ▶ Participation in the draft of the national standards relating to carbon accounting
- ▶ Completion of the pilot project on the on-site monitoring of GHG emissions, as assigned by the Ministry of Ecology and Environment of the PRC
- ▶ Continued efforts to launch various low-carbon pilot programmes to develop low-carbon benchmark projects
- ▶ Gansu Wuwei Waste-to-energy Project became the company's first project that registered and filed a Verified Carbon Standard (VCS) project, marking the company's new achievement in developing and managing its carbon assets



Community Engagement

The company strives to fulfill its corporate social responsibility, to enhance shared interests among government authorities, businesses and residents.

- ▶ Over 210 projects of the company have opened up for public visits
- ▶ Over 700,000 visitors from all social circles visited the company's projects
- ▶ The company works closely with local government authorities and residents to plan, organise and participate in activities of various types, such as science popularisation, education, training and exchange, relating to ecological conservation, sustainability and other similar themes, in a bid to enhance the mutual understanding and support



* According to the science popularisation platform of the online platform of the People's Daily in China, a tree is able to absorb 18kg CO₂ per annum.

WORD CLOUD (MEDIA COVERAGE)





www.cebenvironment.com



www.ebwater.com



www.ebgreentech.com



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