

Stock Code: 257

DEVOTED TO

ECOLOGY & ENVIRONMENT

for a **BEAUTIFUL CHINA**



March 2022

China Everbright Environment Group Limited ("Everbright Environment"), established in Hong Kong in 1993, is a backbone enterprise of China Everbright Group Ltd. Listed on the Main Board of The Stock Exchange of Hong Kong Limited (HKEX) (257.HK), the company has grown into the largest environmental enterprise in China, a leading player in Asia's environmental protection industry, the world's largest waste-to-energy ("WTE") investor and operator, and a world-renowned environmental group.

Everbright Environment has two listed subsidiaries, China Everbright Greentech Limited (1257.HK) and China Everbright Water Limited (U9E.SG & 1857.HK).In 2021, Everbright Environment recorded a revenue of approximately HKD49.9 billion, with total assets surpassing HKD200 billion as of 31 December 2021.

- Over 210 locations across 25 provinces, municipalities, autonomous regions and special administrative region in China
- Overseas business footprint in Germany, Poland, Vietnam and Mauritius
- Over 520 environmental protection projects
- Aggregate investment exceeding RMB150 billion



As a one-stop integrated environmental management service provider, Everbright Environment closely follows China's "14th Five-year Plan" and the country's "Two Carbons" strategic goals of "Peaking Carbon Emissions" and "Achieving Carbon Neutrality". It has set the "Three Carbons" development target and action plan in line with its characteristics and positioning. The company has also been implementing its "Four Five Eight Seven" development strategy, focusing on management advancement, and steadily carrying out transformation.

Pursuing Strategic Transformation with Focus on the "Two Carbons" Goal

Ride on the "Two Carbons" strategic goal to foster strategic transformation

Technology as a driving force

Reduction of pollution and carbon emissions

Integration of soft and hard power

Co-development of asset-light and asset-heavy businesses

Co-development of arterial and veinous industrial parks

Co-development of municipal and consumer businesses

Expansion of domestic and overseas businesses

Fulfilling Accountability with Focus on "Three Carbons" Target

Set the "Three Carbons" development target to demonstrate accountability

To become a carbon-negative company

To develop zero-carbon plants

To pursue a low-carbon lifestyle



Green Innovation

Focusing on "5G" model to Deploy Green Markets

Propose the "5G" concept for the collaboration and development of the green industry

Green Finance Green Investment

Green Industrilisation

Green Belt & Road

THE "FOUR FIVE EIGHT SEVEN" DEVELOPMENT STRATEGY

Environment Energy Climate Resources

Five Capabilities		
Market	Project	
Expansion	Construction	
Project	Equipment	
Operation	Manufacturing	
Technologica	al Innovation	

Eight Business Sectors		
Environmental Energy	Eco-recycling	
Greentech	Greenergy	
Environmental Water	Envirotech	
Equipment Manufacturing	Environmental Planning	

Seven Safeguards		
Finance	Bidding and Procurement	
Budget	Safety and Environmental Management	
Human Resources	Efficiency	
Corporate Culture		

ENVIRONMENTAL ENERGY

The world's largest WTE investor and operator

As Everbright Environment's core business sector with the largest scale and highest business proportion, environmental energy maintains its leading position in the WTE industry and covers WTE, food and kitchen waste treatment, sludge treatment and disposal, leachate treatment, fly ash treatment, methane-to-energy, construction and decoration waste treatment, heating supply and the development of environmental protection industrial parks. The projects of the sector command a total investment of approximately RMB90 billion.



[&]quot;including operation and management ("O&M") projects * as of 31 March 2022

Opening-up

Jiangsu Changzhou's WTE Project is China's first fully opened "living room of the city" equipped with public amenities, being shortlisted in the first batch of the Primary Contact Points for the Key Projects of the CCGCEP





Solution to the NIMBY effect

Zhejiang Hangzhou's WTE Project is considered a good example of quelling the Not-in-my-Backyard (NIMBY) effect and bringing positive impact to local communities

Global layout

Vietnam Can Tho WTE Project was featured in a report series of CCTV's News Network Programme . The project was also granted the Vietnam's Urban Environment Quality Excellence Award



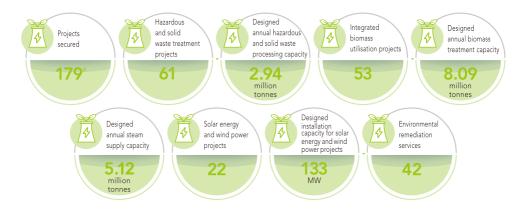
Synergistic treatment

Xiongan New Area Waste Integrated Treatment Project (under construction) is the second set in the world and the only underground waste integrated treatment facility in China that is equipped with a full set of solid waste treatment processes and techniques

GREENTECH

China's leading intelligent energy supplier dedicated to "Carbon Neutrality" and industrial hazardous waste treatment investor and operator

China Everbright Greentech Limited ("Everbright Greentech") is listed on the Main Board of HKEX (1257.HK) and controlled by Everbright Environment. Everbright Greentech focuses on hazardous and solid waste treatment, environmental remediation, integrated biomass utilisation, solar energy and wind power. Its projects command a total investment of approximately RMB33 billion, in addition to environmental remediation services, with a total contract value surpassing RMB1.1 billion.



[#] including environmental remediation services * as of 31 March 2022











ENVIRONMENTAL WATER

China's leading water environment management service provider

China Everbright Water Limited ("Everbright Water"), controlled by Everbright Environment, it is listed on the Mainboard of The Singapore Exchange Securities Trading Limited and the Main Board of HKEX (stock codes: U9E.SG & 1857.HK). It has developed a full-fledged business coverage, which includes raw water protection, water supply, municipal waste-water treatment ("WWT"), industrial WWT, reusable water, river-basin ecological restoration, and sludge treatment and disposal. The company has also formed a full industry chain on the water business, including project investment, planning and design, technological research and development ("R&D"), engineering and construction and operations management, among others. The projects of Everbright Water command a total investment surpassing RMB28 billion.



Including O&M projects * as of 31 March 2022









EQUIPMENT MANUFACTURING

China's backbone environmental protection equipment R&D and manufacturing provider

Located in Changzhou City, Jiangsu Province, Everbright Environmental Technical Equipment (Changzhou) Limited represents the equipment manufacturing sector of Everbright Environment, focusing on the research, development and manufacturing of environmental protection equipment and related consumer products.

The 300 tonnes/day-1,000 tonnes/day series of grate furnaces, leachate treatment and flue gas purification systems developed and produced by equipment manufacturing have entered the first tier of the industry and are exported to countries in Southeast Asia, South Asia and North Africa. In 2021, equipment manufacturing set up the Everbright Electric Appliance Division and tapped into the consumer market, starting from the water purifier series. Separately, the self-developed 1,000 tonnes/day grate furnace was applied at the company's Jiangsu Wujiang WTE Project.



Everbright grate furnaces

- The self-developed grate furnaces with daily processing capacity ranging from 300 tonnes/day to 1,000 tonnes/day have received the Technological Advancement Award by the Ministry of Ecology and Environment of the PRC ("MEE")
- The 850 tonnes/day and 1,000 tonnes/day grate furnaces have filled the gap in the domestic market



Leachate treatment system

 Through years of effort in self-development and application, equipment manufacturing has formed its leachate treatment technology system, which is able to comply with standards for the discharge or reuse of leachate after treatment



Flue gas purification system

- The daily average level of online monitored gas emissions is superior to the EU 2010 Standard (the Industrial Emissions Directive (2010/75/EU))
- Gas emissions of WTE projects fully comply with relevant national standards



Everbright water purifier series

 Equipment manufacturing launched the water purifier series, with filter membrane as the core technology. The purifiers could minimise harmful substances in tap water, as verified by professional institutions

ECO-RECYCLING

First-class investor and operator in waste sorting and resource recycling across China

The eco-recycling sector rides on the "Five Points in One Line" process model for waste sorting, with a focus on three main business areas, namely waste sorting and zero-waste cities, environmental sanitation integration and resource recycling.

"Five Points in One Line" process model for waste sorting



Waste Sorting

In 2021, the sector secured 2 waste sorting services. Among which, Chagnzhou Economic Development Zone Waste Sorting Polit Service commenced operation, with a service period of three years.

 The intelligent bins independently developed by Everbright Environment for waste sorting have several advantages, including tracking waste sources, working round-the-clock, and unsupervised operating.





Enivoronmental Sanitation Integration

Yunnan Yuxi SanitationIntegration Project covers needs for waste collection and transferring in the Hongta District of Yuxi City. The project has a designed daily waste collection and transfer capability of approximately 800 tonnes.

GREENERGY



Everbright New Sodium Lamp, Lighting the Way Home

The greenergy sector focuses on the R&D, manufacturing and sales of energy-saving healthy lighting products, as well as software and hardware products relating to the development of smart cities that are based on greenergy's intelligent light poles. Greenergy aims to provide lighting services for different scenarios and purposes, in addition to solutions for the development of smart cities. The sector targets to become a leading integrated service provider specialising in energy-saving lighting and development of smart cities in China.



Shandong Ji'nan Streetlight Retrofitting EMC Project is greenergy's first project in a provincial capital city and is regarded as a new benchmark in the energy-saving lighting industry.

As compared with high-pressure sodium lamps that are currently widely used for street lighting in China, the **Everbright New Sodium Lamp** (the "Lamp") is 60% smaller in size and up to 50% lower in energy consumption.

The Lamps can be used in a wide range of applications with excellent light efficiency, good light quality, low maintenance cost, strong fog permeability, healthy lighting characteristics, convenient replacement and low maintenance cost.

Greenergy has so far secured multiple streetlight retrofitting projects based on the energy management contract ("EMC") and engineering, procurement and construction ("EPC") models. In addition, it established the Greenergy Intelligent Industrial Park in Ji'nan to produce the Lamps, LED lamps, intelligent light poles and other products, aiming to develop the industrial park into a key national innovation hub in the green lighting industry.



Study lamp series

The study lamp products comply with the national AA-level illuminance and uniformity standards; are able to monitor sitting postures of users based on the binocular AI algorithm to help users prevent myopia; and adopt LED installed with solar like spectroscopic high color rendering index unisplendour which help to reduce damages brought by Bluray, strobe, dazzling of the light. The product series has a wide range of choices, with study, working and living scenarios.

Customised intelligent light poles

The light pole product series has comprehensive functions, including intelligent lighting, environment sensing, security monitoring, public safety rescue alarm and municipal facility monitoring for urban areas. The products are considered to be good platforms for the digitalisation of intelligent cities with the "new infrastructure" and a good demonstration of the development of big data, green and low-carbon cities.



ENVIROTECH

Innovation and development driven by science and technology

Being the technology R&D innovation engine of Everbright Environment, the envirotech sector has substantially established the "Four-in-One" technological innovation and R&D layout with platforms in Hong Kong, Shenzhen, Nanjing and Qingdao cities, with the goal of becoming a global platform dedicated to green technological innovation and technology commercialisation.

In 2021, envirotech was actively carrying out "Dual Carbons"-related theoretical and technical researches, achieving positive progress in many areas, such as optimisation of carbon calculation model(s), pilot programmes on onsite monitoring of greenhouse gas emissions, and research into core technologies like carbon capture.

134 invention patents
978 utility patents
184 software copyright
licenses
24 appearance patents

*As of 31 December 2021

1,320

Patents

光大環境 HKSTPT

光大環境與香港科技關
打造綠色科技際化與梅化
中的國教的學
Part Hysometal and part Householder and Part Hous

In 2021, Everbright Environment partnered with Hong Kong Science and Technology Park to jointly build a green technology incubation and commercialisation platform in Hong Kong to foster the development of green technological innovation in the city.



Everbright-Qingdao University of Technology Institute of Technology and Environmental Technology was awarded a certificate of "Laboratory of Excellence" by the Environmental Resources Association's international proficiency testing, for its excellent water dioxin testing capability.

The research project on "Key Technologies and Applications for Intelligent Monitoring and Optimal Operation of Municipal Waste Water Treatment Plants", in which Everbright Water (Shenzhen) Limited participated, received the second prize of the 2020 State Scientific and Technological Progress Award





aranted

The self-developed plasma melting technology for fly ash treatment has been recognised as having complied with relevant international standards upon technical assessments.

ENVIRONMENTAL PLANNING

Positioned to become China's premier planning and design institute

The environmental planning sector leverages on Everbright Ecological and Environmental Planning and Design Institute ("Environmental Planning and Design Institute") as the main plaform, with a focus on the fields of environmental protection and energy. It strives to build core technological capabilities, expand the business scope and spread its industry chain.

The Environmental Planning and Design Institute has obtained a series of important qualifications in the fields of electricity, municipal administration and the environment, relating to design and consultation, ecological construction and environmental engineering. Such qualifications include National Qualification For Pressure Pipelines Design, Class A Qualification For Environmental Engineering Solid Waste, and a First-Class Qualification For Professional Contracting Works of Environmental Engineering, and has further advanced to the ranks of Class A design institutes.

The institute provides integrated solutions relating to WTE, biomass power generation and food waste treatment. It has developed the design capacity for a full range of waste incineration treatment lines, with capacity ranging from 300 tonnes/day to 1,000 tonnes/day. It has also expanded the design and consulting services to food and kitchen waste treatment, sludge treatment and disposal, integrated slag utilisation, and medical waste treatment.

The institute will leverage on its advantages and engineering experience to expand various consulting services, as it aims to gradually develop a service system that provides full-process engineering consultancy and full-cycle integrated services. The institute is also carrying out future oriented value-added businesses, such as 3D design, digital delivery, a digital factory and an engineering data centre.



Rendering of the opening-up and upgrading project of Everbright Environment Changzhou WTE Project



Rendering of Everbright Environment Tianjin Beichen WTE Project

Business Performance

- Since 2019, ranked top in the list of Top 50 Environmental Protection Enterprises in China for three consecutive years
- Since 2020, ranked top among listed Chinese environmental protection companies, in terms of revenue and net profit, by the E20 Environment Platform
- Since 2011, ranked top in Influential Solid Waste Treatment Enterprises in China for 11 consecutive years
- In 2021, shortlisted in Fortune China 500 for the first time, ranking 283th

- Since 2018, Mr. Wang Tianyi, Chairman of the Board of Everbright Environment, named Asia's Best CEO for four years running
- In 2020, Mr. Wang Tianyi named the 2018-2019 Green China Person of the Year
- Since 2014, included as a constituent stock of Hang Seng China (Hong Kong-listed) 100 Index
- Since 2013, included as a constituent stock of MSCI China Index
- In 2021, shortlisted in the list of 2021 China Top 100 New Technology Companies







Corporate Governance

- In 2020, shortlisted in the **Top 10 Firms with Highest Corporate Governance Index Scores** by the Hong Kong Institute of Directors
- Since 2017, named the Most Honored Company in Asia for many years consecutively
- Since 2018, received multiple awards including Best Corporate Governance, Best ESG Metrics and Best Investor Relations Company
- In 2017, received Hong Kong Corporate Governance Excellence Awards

Social Responsibility and Sustainability

- In 2019, awarded the 2nd Advanced Group on Ecological Civilization in China and was among the Top Ten Case Studies on Public Participation by MEE
- In 2016, shortlisted among Top 10 Green Companies in China by the United Nations Environmental Programme
- Since 2017, included several times in the Sustainability Yearbooks launched by Robeco SAM/S&P Global
- In 2020, received an award for the Enterprise's Actions on Climate Change

- Since 2014, included multiple times as a constituent member of Hang Seng Corporate Sustainability Index
- Since 2013, included as a constituent member of Hang Seng Corporate Sustainability Benchmark Index
- In 2016,included as a constituent member of the Dow Jones Sustainability World Index
- Since 2016, included as a constituent member of Dow Jones Sustainability Emerging Markets Index
- Since 2017, included as a constituent member of FTSE4Good Index







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

"

Create Better Investment Value and

Undertake More Social Responsibility ""

With a strong sense of social responsibility and mission, Everbright Environment actively takes part in social charitable activities relating to energy conservation, environmental protection education, charitable donations and environmental greening on a global scale



To promote and adopt the Euro 2000 Standard (Directive 2000/76/EC) for WTE projects in China

To connect with local government authorities and share real-time project emission data

To disclose hourly average level of gas emissions of all its operating WTE projects

To open up its operating WTE projects for public visits, welcoming supervisions from the public and society

To open up its facilities across all business sectors for public visits



2020

provided quality
environmental services to
safeguard people's lives and
environmental safety at home
and abroad, and supported
local anti-pandemic
arrangements, during the
Covid-19 pandemic

November 2017

supported the planning and construction of sports facilities for children in the community of Schönewalde, Germany



2014-2020

acted as lead sponsor of Earth Hour Hong Kong for many years

Since 2014

became a Double Diamond Member of WWF-HK

June 201

established Everbright Environmental Protection Charitable Foundation

Since 2010

engaged in poverty relief activities for Xinhua County, Hunan Province

2021

supported WWF-HK to build the Solar Dome, which commenced operation in 2021 to promote ecological conservation and sustainable development in Hong Kong; and signed memorandum of understanding with Asian Development Bank to improve ocean health through enhancement of solid waste management proficiency across Asia

October 2019

acted as lead sponsor of UNICEFHK's Adventure in the Wood activity, with the donation being used to help children and women in remote areas

Since 2018

supported and joined environmental protection initiatives in celebration of the World Environment Day on the 5th June, through multiple projects

2016-2019

sponsored Heifer International Hong Kong's "Read to feed" charity program

2015

supported Yan Oi Tong's Green City Exploration Tour

August 2013

set up Everbright Environment Charitable Foundation in Hong Kong

September 2011

established true love school in Dangshan County, Anhui Province







Jiangsu Changzhou WTE Project (800 tonnes/day) has been recognised as a national AAA-rated WTE project. Located closest to residential communities in China, it is the country's first fenceless WTE project that is open for public visits. The project was included in the compilation of most challenging projects since the 18th CPC National Congress and also shortlisted in the first batch of the Primary Contact Points for the Key Projects of CCGCEP.

Jiangsu Suzhou WTE Project

(3,550 tonnes/day) among first batch of projects awarded as a national AAA-rated WTE project

Shandong Weifang WTE Project

(2,500 tonnes/day) a national AAA-rated WTE project

Jiangsu Wujiang WTE Project

(1,500 tonnes/day) a national AAA-rated WTE project

Shandong Rizhao WTE Project

(1,000 tonnes/day) a national AAA-rated WTE project

Jiangsu Changzhou Xinbei WTE Project

(1,500 tonnes/day) a national AAA-rated WTE project

Hunan Yiyang WTE Project

(1,400 tonnes/day) a national AAA-rated WTE project

Guangdong Boluo WTE Project

(1,050 tonnes/day) a national AAA-rated WTE project

Anhui Ma'anshan WTE Project

(1,200 tonnes/day) a **national AAA-rated** WTE project



Zhejiang Ningbo WTE Project (1,500 tonnes/day)

 It has been awarded as a national AAA-rated WTE project. It is also a benchmark green development project in China



Jiangsu Nanjing WTE Project (4,000 tonnes/day)

 It has been awarded as a national AAA-rated WTE project. It is the largest WTE project in operation at Everbright Environment



Zhejiang Hangzhou WTE Project (3,000 tonnes/day)

is a demonstration project that has successfully solved the NIMBY effect. It was awarded the **Luban Prize** (National Quality Project) by the Ministry of Housing and Urban -Rural Development of the PRC("MOHURD")



Shandong Ji'nan WTE Project (2,750 tonnes/day)

was awarded the **Luban Prize** (National Quality Project) by MOHURD



Hainan Sanya WTE Project (2,250 tonnes/day)

has been awarded as the national AAA-rated WTE project and selected as a demonstration PPP (Public-private Partnership) project by the Ministry of Finance of the PRC



Zhejiang Quzhou WTE Project (1,500 tonnes/day) was awarded the Luban Prize

was awarded the **Luban Prize** (National QualityProject) by MOHURD

Anhui Lingbi Integrated Projects

(Annual treatment capacity of 150,000 tonnes of waste and 300.000 tonnes of straw)

First urban-rural integrated biomass and WTE demonstration project in the industry and across China

Jiangsu Xinyi Integrated Hazardous and Solid Waste Treatment Projects

(Annual treatment capacity of 88,000 tonnes)

Everbright Environment's first integrated hazardous waste treatment park providing one-stop urban harzardous waste treatment solutions, such as waste incineration, landfill and harmless treatment of animal carcasses



Anhui Lingbi Integration Projects



Jiangsu Xinyi Integrated Hazardous and Solid Waste Treatment Projects



Jiangsu Suzhou Wujiang Qidu Waste Landfill Integrated Treatment Project

The project adopts technical processes that integrate vertical barrier, in-situ extraction, in-situ chemical oxidation/reduction and bioremediation



Jiangsu Changzhou Chemical Plant Land Remediation Project

The project adopts technical processes that integrate cement kiln coprocessing, chemical oxidation, room temperature analysis and risk control for soil remediation, and technical processes of in-situ high-pressure rotary spray chemical oxidation for underground water remediation



Jiangsu Changzhou Rooftop Solar Energy Project (installed capacity of 3.7MW)

The project is located in the Wujin High-tech Zone of Changzhou City, the first demonstration cluster for the green construction industry and low-carbon development in China



Shanxi Ningwu Wind Power Project (installed capacity of 96MW)

The project consists of the Changfangshan wind power plant and the Zhaojiashan wind power plant. It was awarded the High-quality Electric Power Construction Project "Fenshui Cup" Construction Award and Excellent Project Certificate In Shanxi Province

Jiangsu Zhenjiang Sponge City Construction PPP Project

Among China's first batch of demonstration projects on both the PPP model and sponge city development. Shortlisted among the Top 5 in the UNECE Building Back Better Infrastructure Award 2021

Jiangsu Jiangyin WWT Project (190,000m³/day)

A key demonstration project on the restoration of Taihu Lake



Jiangsu Zhenjiang Sponge City Construction PPP Project



Jiangsu Jiangyin WWT Project



- Shandong Ji'nan WWT Projects (1,225,000 m³/day)
 - The projects were shortlisted for the 12 successful global PPP case studies at the 2016 International PPP Forum by the UNECE
 - Plant 1 and 2 under the projects were regarded as municipal Gold Cup demonstration projects



- Shandong Zibo WWT Project (250,000 m³/day)
 - China's first project located in a "heavy industrial city" that fully complies with the national waste water treatment Grade 1A standard.
 - Plant 1 of the project has added in-plant solar power facilities, with an installed capacity of 1.82MW and an estimated electricity supply of 1.9 million kWh.
 The electricity will be used by the plant first, while excessive electricity is for on-grid purpose



- Shandong Ji'nan Huashan WWT Project (30,000 m³/day)
 - It is Everbright Water's first fully underground WWT project and also Ji'nan's first large-scale fully underground WWT project



- Jiangsu Nanjing Municipal Water PPP Project
- Everbright Water's first river-basin ecological restoration project



Shandong Rizhao Streetlight Retrofitting Energy Management Contract (EMC) Project

As greenergy's first EMC project, it has retrofitted over 12,000 street lamps in Rizhao City by replacing the high-pressure sodium lamps with Everbright New Sodium lamps (the "Lamp"), which are more energy efficient



Shandong Ji'nan Streetlight Retrofitting EMC Project

As greenergy's first project in a provincial capital city, it is mainly responsible for retrofitting over 120,000 street lamps in the urban districts of Ji'nan City, Shandong Province. It is considered a project in the public interest because it involves no fiscal expense



• Greenergy Intelligent Industrial Park

Located in the JN Pioneer Area of Ji'nan City, the industrial park produces a series of intelligent lighting products, such as the Lamps, LED lamps and intelligent light poles. Upon completion of the construction work, the industrial park will become an intelligent industrial park and green lighting product R&D and production hub that includes the R&D, design and production of the Lamps, LED lamps, intelligent light poles and intelligent lighting systems.

CORE MANAGEMENT TEAM



For more information, please visit our official platforms below



www.cebenvironment.com



www.ebgreentech.com



www.ebwater.com



Everbright Environment WeChat account



Everbright Greentech WeChat account



Everbright Water WeChat account



Everbright Equipment Manufacturing WeChat account







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