Devoted to Ecology and Environment for a Beautiful China

August 2019
China Everbright International Limited ("Everbright International"), established in Hong Kong in 1993, is a backbone enterprise of China Everbright Group. Everbright International is listed on the Main Board of The Stock Exchange of Hong Kong Limited ("HKEX") (257.HK). As a state-owned and foreign company, Everbright International operates with better efficiency and vitality than other state-owned enterprises, and demonstrates a stronger responsibility and better capability than its foreign peers.

Through over a decade’s development, Everbright International has become a leading player in China and Asia’s environmental protection industries, and also a world-renowned ecological and environmental management group, with two listed subsidiary companies, namely China Everbright Water Limited (U9E.SG & 1857.HK) and China Everbright Greentech Limited (1257.HK). In 2018, Everbright International recorded a revenue exceeding HKD27 billion. In the first half of 2019, its revenue exceeded HKD16 billion and total assets surpassed HKD100 billion, with the number of employees exceeding 10,000.
Everbright International’s projects are located in over 170 locations across 22 provinces and municipalities in China. It has secured 370 projects, with an aggregated investment exceeding RMB110 billion.

It has also tapped into overseas markets, including Germany, Poland and Vietnam.

* As at 31 August 2019
ENVIRONMENTAL ENERGY

Asia’s largest waste-to-energy investor and operator

As a core business sector of Everbright International, environmental energy has the largest business scale and makes up the biggest portion of the Group’s overall business. Environmental energy covers waste-to-energy, food waste treatment, leachate treatment, fly ash treatment, methane-to-energy, sludge treatment and disposal, and the development of environmental protection industrial parks. Currently, environmental energy has invested in 134 projects with a total investment exceeding RMB62.5 billion.

Projects secured

134*

Designed daily waste processing capacity

104,450 tonnes

Waste-to-energy projects in operation

65*

Daily waste processing capacity in operation

53,800 tonnes

Environmental protection industrial parks

12

* Including 2 O&M projects

* As at 31 August 2019

All projects are constructed and operated in compliance with relevant international standards, with 10 projects recognised as the national AAA-rated waste-to-energy plants in China, demonstrating the Group as the best player in dealing with the “Not in My Back Yard” (NIMBY) effect in China’s waste-to-energy industry.

Changzhou Waste-to-energy Project has been included as a case study in the Case Studies on Overcoming Obstacles Since the 18th CPC National Congress, which was issued by the Organization Department of the CPC Central Committee.

Vietnam Can Tho Waste-to-energy Project was featured in the “Belt and Road” reporting series in the Xinwen Lianbo news program at China Central Television (CCTV).

Hangzhou Waste-to-energy Project has become a good example of quelling the NIMBY effect and having a positive impact on the neighboring communities.
GREENTECH

One of China’s leading investors and operators specialised in integrated biomass utilisation and harmless treatment of hazardous waste and solid waste

China Everbright Greentech Limited ("Everbright Greentech"), with its controlling shareholder being Everbright International, is a company that is listed on the Main Board of HKEX (stock code: 1257.HK) that focuses on integrated biomass utilisation, hazardous waste and solid waste treatment, environmental remediation, among others. Everbright Greentech has invested in 107 projects, with a total investment exceeding RMB28 billion. It also undertook 24 environmental remediation services, with a total contract value of approximately RMB660 million.

- Designed annual hazardous waste and solid waste treatment capacity: 1.84 million tonnes
- Environmental remediation services: 24
- Integrated biomass utilisation projects: 52
- Urban-rural integration projects: 35
- Designed annual biomass processing capacity: 8.8198 million tonnes
- Designed daily household waste processing capacity: 9,350 tonnes

* Including urban-rural integration projects
* As at 31 August 2019
ENVIRONMENTAL WATER

A water environment management services provider
China Everbright Water Limited (“Everbright Water”), with its controlling shareholder being Everbright International, is a company that is listed on the Main Board of HKEX and the Mainboard of the Singapore Stock Exchange (stock codes: U9E.SG & 1857.HK), with a focus on water environment management. Environmental water has a total daily treatment capacity exceeding 6 million m$^3$, with a total investment exceeding RMB22 billion, ranking among the top in the domestic industry.

* As at 31 August 2019
ECO-RECYCLING

Focusing on waste sorting, resource utilisation and zero-waste cities
As Everbright International’s new business sector, Eco-recycling primarily focuses on waste sorting, environmental services and integrated utilisation of renewable resources. It is currently exploring new technologies and business models. Backed by other major business sectors of Everbright International, Eco-recycling targets to develop a full-chain business system that ranges from waste sorting and collection till end disposal.

Foray into waste sorting sector
In May 2019, Everbright International invested and obtained a 90% equity interest in a technology company that focuses on waste sorting. This marks the Group’s entry into the waste sorting and resource recycling business sectors.

Its main business covers R&D, manufacturing and the sale of smart waste recycling machines, as well as sorting, collecting and transporting waste and reusing resources through the “Internet +” model.

Yunnan Yuxi Environmental Sanitation Integration Project: The project is Everbright International’s first project in Yunnan Province, with a designed daily waste collection and transportation capacity of approximately 800 tonnes, and is able to fulfill such service needs of the Hongta District of Yuxi City.
Everbright Jinglang, Lighting Up China

Everbright Jinglang Greenergy and Lighting (Shenzhen) Limited (“Everbright Jinglang”) was established and has been equipped with top experts and an elite research team in China’s lighting field. Everbright Jinglang has unique technical advantages of the R&D team from Tsinghua University, in addition to Everbright International’s abundant market resources and branding advantages in the ecological and environmental protection sector. Backed by such a strong collaboration, Everbright Jinglang is bound to be a new player in China’s energy-saving lighting sector.

Everbright Jinglang will focus on the R&D and manufacturing of energy conservation street lights, urban outdoor lighting projects, as well as other types of energy-saving lighting products, offering comprehensive lighting solutions to conserve energy and reduce emissions. By providing such services, Everbright Jinglang aims to realise smart lighting through the intelligent control of outdoor lighting devices, as well as healthy lighting through the R&D of parameters of light sources.

Advantages of Everbright Jinglang

New Sodium Lamp (the Lamp)
- High light efficiency
- Good color rendering
- High color temperature
- Anti-glare effect
- Good fog penetration
- A long working life
- Ease of replacement
- Outstanding energy efficiency

As compared with high-pressure sodium lamp that is currently widely used for street lighting in China, the Lamp is

- 60% smaller in size
- 50% lower in energy consumption

The Lamp can be used for various scenarios:
- Streets
- Squares
- Airports
- Railways
- Bridges
- Ports
- Tunnels
- Factories

Everbright International taps into this new market by seizing opportunities arising from the upgrading of billions of high-pressure sodium lamps across the country. By integrating R&D, manufacturing, sales and the EMC model, the Group will explore a win-win-win situation that could help the government authorities to save budget, benefit the public and also generate business profit.
EQUIPMENT MANUFACTURING

A high-end equipment manufacturing service provider with the brand of “Intelligent Manufacturing by Everbright International”

Headquartered in Changzhou City, Everbright Environmental Technical Equipment (Changzhou) Limited represents Everbright International’s manufacturing sector, and has become a leading environmental protection equipment provider in China. Its self-developed grate furnaces, with the processing capacity ranging from 300 tonnes/day to 850 tonnes/day, the leachate treatment system and flue gas purification system have tapped into the first-tier of the environmental protection equipment manufacturing industry. The self-developed equipment has been exported to countries and regions in Southeast Asia, South Asia and North Africa.

Everbright grate furnace series

- Most of the grate furnaces with the daily processing capacity ranging from 300 tonnes to 850 tonnes have received the European Union’s CE Mark, and have met export requirements of all European Union countries.
- The self-developed 850 tonnes/day grate was manufactured and came off the production line. It has filled the void in the manufacturing of largescale grate in China, and marks the increase of capacity, innovation of technology and improvement of quality for the homemade grate furnace.

Leachate treatment system

- The leachate treatment system is able to process leachate with COD level above 60,000mg/L.
- Through years of efforts in self-development and application, the leachate treatment technology has become systematic and is able to comply with standards for the discharge or reuse of leachate after treatment.

Flue gas purification system

- Gas emissions of waste-to-energy projects fully comply with relevant national standards.
- The daily average level of online monitored gas emissions of Everbright International’s projects are superior to the EU 2010 Standard.
INTERNATIONAL BUSINESS

Steady progress in internationalisation, forging a new source of growth
Established as a key platform for Everbright International to follow China’s “Belt and Road” initiative and participate in the global environment management, international business is mainly responsible for exploring and investing in overseas markets. It has already invested in several projects in countries and regions along the “Belt and Road” route.

• In December 2016, Everbright International won the bid for Vietnam Can Tho Waste-to-energy Project. The project, which commenced operation in November 2018, commands an investment of approximately RMB320 million, and has a designed daily waste processing capacity of 400 tonnes. It is Everbright International’s first overseas waste-to-energy project, as well as Vietnam’s first advanced waste-to-energy project.

• In October 2018, Everbright International won the bid for Vietnam Hue Waste-to-energy Project. The project commands an investment of approximately RMB400 million, and has a designed daily waste processing capacity of 400 tonnes. It will adopt Everbright International’s self-developed equipment for its core equipment.

• In September 2011, Everbright International invested RMB68.36 million in Schönewalde Solar Energy Project based on a BOO (Build-Operation-Own) model. The project was considered the largest ground solar energy project in Germany at that time.

• In August 2016, Everbright International tapped the environmental protection market in Europe by spending RMB896 million acquiring Novago sp. z o.o., the largest independent solid waste treatment company in Poland. The acquisition was also regarded the largest acquisition by a Chinese company in Central and Eastern Europe in 2016.
What is a “zero-waste city”?  
As an advanced urban management concept, “zero waste city” aims to promote green development and a green lifestyle, and encourages the reduction of solid waste at the source as well as recycling and reuse of waste materials, in order to minimise landfill waste and mitigate the impact of solid waste on the environment.
In 2016, included as a constituent stock of Dow Jones Sustainability World Index.

Since 2016, included as a constituent stock of Dow Jones Sustainability Emerging Markets Index.

Since 2014, included as a constituent stock of Hang Seng Corporate Sustainability Index.

Since 2017, included as a constituent stock of FTSE4Good Index.

From 2016 to 2018, awarded the Silver Class and Bronze Class distinctions by RobecoSAM.

In 2018, included for the first time in the green Supply Chain CITI Index, ranking top in the environmental protection sector of the list.

In 2016, shortlisted among Top 10 Green Companies in China by United Nations Environmental Programme.

Since 2013, included as a constituent stock of MSCI China Index.

Since 2014, included as a constituent stock of Hang Seng China (Hong Kong-listed) 100 Index.

In 2017, received Hong Kong Corporate Governance Excellence Awards.

In 2019, awarded the Advanced Group on Ecological Civilization in China and was among the Top Ten Case Studies on Public Participation 2019 by the Ministry of Ecology and Environment of the PRC.

Since 2011, ranked the first in the Top Ten Influential Solid Waste Treatment Enterprises in China for eight consecutive years.

In 2018 and 2019, Mr. Wang Tianyi, CEO of Everbright International, awarded Asia’s Best CEO.

Awarded the Most Honored Company from 2017 to 2019 in All-Asia (ex-Japan) Executive Team rankings.

In 2018 and 2019, received multiple recognitions including Best Corporate Governance, Best ESG Metrics and Best Investor Relations Company.

In 2012, recognised as A leading Enterprise in the environmental protection industry of China by eight PRC governmental departments and committees, including the Ministry of Environmental Protection of the PRC.
With a strong sense of social responsibility, Everbright International has actively taken part in charitable activities relating to energy conservation, environmental protection education, charitable donations and greening around the world.

The first to adopt the Euro 2000 Standard (Directive 2000/76/EC) in developing waste-to-energy projects in China

The first to connect with local environmental protection departments and share real-time project emission data

The first to disclose the hourly average level of gas emissions of all its operating waste-to-energy projects

The first to open up its operating waste-to-energy projects to the public, welcoming supervisions from the society

The first to open up its environmental protection facilities from all business sectors for public visits

Since 2010, Everbright International has been engaged in poverty relief activities for the Xinhua County of Hunan Province.

In September 2011, Everbright International True Love School was established in Dangshan, Anhui Province.

In June 2013, Everbright Environmental Protection Charitable Foundation was launched.

In August 2013, Everbright International Environmental Protection Charitable Foundation (the “Foundation”) was set up in Hong Kong.

Since 2014, the Foundation has become a Double Diamond Member of WWF-HK, and has supported the Earth Hour Hong Kong as lead sponsor for many consecutive years.

In 2015, the Foundation supported Yan Oi Tong’s Green City Exploration Tour.

Since 2016, the Foundation has sponsored Heifer International Hong Kong’s “Read to feed” charity program.

In November 2017, Everbright International supported the planning and construction of sports facilities for children in Schönewalde, Germany.

In June 2018, a number of projects under Everbright International supported, jointly organised or participated in local environmental protection promotion activities relating to the World Environment Day on the 5th of June.

In November 2018, Everbright International held a ceremony in Nanjing City of Jiangsu Province to announce the opening of its environmental protection facilities for public visits, with up to 77 such facilities from the Group’s various business sectors to be opened up for public visits in next three years.
<table>
<thead>
<tr>
<th>Featured Projects</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Jiangsu Suzhou Waste-to-energy Project</strong> <em>(3,550 tonnes/day)</em> among the first batch of projects to be awarded as the national AAA-rated waste-to-energy projects.</td>
</tr>
<tr>
<td><strong>Jiangsu Wujiang Waste-to-energy Project</strong> <em>(1,500 tonnes/day)</em> having been awarded as the national AAA-rated waste-to-energy project.</td>
</tr>
<tr>
<td><strong>Jiangsu Changzhou Xinbei Waste-to-energy Project</strong> <em>(1,500 tonnes/day)</em> having been awarded as the national AAA-rated waste-to-energy project.</td>
</tr>
<tr>
<td><strong>Shandong Weifang Waste-to-energy Project</strong> <em>(1,500 tonnes/day)</em> having been awarded as the national AAA-rated waste-to-energy project.</td>
</tr>
<tr>
<td><strong>Shandong Rizhao Waste-to-energy Project</strong> <em>(1,000 tonnes/day)</em> having been awarded as the national AAA-rated waste-to-energy project.</td>
</tr>
<tr>
<td><strong>Guangdong Boluo Waste-to-energy Project</strong> <em>(1,050 tonnes/day)</em> having been awarded as the national AAA-rated waste-to-energy project.</td>
</tr>
</tbody>
</table>

- **Zhejiang Ningbo Waste-to-energy Project** *(1,500 tonnes/day)* having been awarded as the national AAA-rated waste-to-energy project. It is also a benchmark green development project in China.
- **Jiangsu Changzhou Waste-to-energy Project** *(800 tonnes/day)* having been awarded as the national AAA-rated waste-to-energy project. It is the only waste-to-energy plant that is located most close to residential communities in China.
- **Jiangsu Nanjing Waste-to-energy Project** *(4,000 tonnes/day)* having been awarded as the national AAA-rated waste-to-energy project. It is the largest waste-to-energy project in operation at Everbright International.

- **Zhejiang Hangzhou Waste-to-energy Project** *(3,000 tonnes/day)* a demonstration project that has successfully solved the NIMBY Effect (Not In My Back Yard Effect).
- **Shandong Ji’nan Waste-to-energy Project** *(2,750 tonnes/day)* being awarded the Luban Prize (National Quality Project) by the Ministry of Housing and Urban-Rural Development of the PRC.
- **Hainan Sanya Waste-to-energy Project** *(1,050 tonnes/day)* having been awarded as the national AAA-rated waste-to-energy project, and been selected as a demonstration PPP (Public-private Partnership) project by the Ministry of Finance of the PRC.
### Featured Projects

<table>
<thead>
<tr>
<th>Anhui Dangshan Integrated Biomass and Waste-to-Energy Projects (Annual treatment capacity: 150,000 tonnes of household waste and 300,000 tonnes of straw)</th>
</tr>
</thead>
<tbody>
<tr>
<td>China’s first integrated biomass and waste-to-energy project, initiating a new business model that integrates the treatment of urban and rural waste in county and rural areas of China.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Jiangsu Changzhou Hazardous Waste Incineration Project (Annual incineration treatment capacity: 30,000 tonnes)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Equipped with world-class technologies, the project is the first hazardous waste treatment foreign joint-venture project that is jointly invested and established by Everbright Greentech and SUEZ NWS Limited.</td>
</tr>
</tbody>
</table>

- **Anhui Dangshan Integrated Biomass and Waste-to-Energy Projects** (Annual treatment capacity: 150,000 tonnes of household waste and 300,000 tonnes of straw)
  - The first demonstration integrated urban-rural project in China and the industry that have had its biomass treatment and waste-to-energy facilities constructed all at one time.

- **Jiangsu Binhai Hazardous Solid Waste Landfill Project** (Annual treatment capacity: 30,000 tonnes)
  - It has the largest capacity among all hazardous landfill sites that Everbright International has made one-off investments across China. The total landfill capacity of the project reaches 600,000 m³.

- **Shandong Zibo Hazardous Waste Integrated Treatment Project** (Annual treatment capacity: 39,830 tonnes)
  - It is Everbright International’s first project adopting a market-oriented operation model. It is also the first project in China to utilise incineration technology in the hazardous integrated treatment process.

![Anhui Dangshan Urban-rural Integration Projects](image1)

![Jiangsu Changzhou Hazardous Waste Incineration Project](image2)

![Anhui Lingbi Urban-rural Integration Projects](image3)

![Jiangsu Binhai Hazardous Solid Waste Landfill Project](image4)

![Shandong Zibo Hazardous Waste Integrated Treatment Project](image5)
### Featured Projects

#### Jiangsu Zhenjiang Sponge City Construction PPP Project
Among China’s first batch of demonstration projects on both PPP model and sponge city development.

#### Jiangsu Jiangyin Waste Water Treatment Project (190,000 m³/day)
A key demonstration project in the restoration of Taihu Lake water quality.

---

- **Shandong Ji’nan Waste Water Treatment Project (1,080,000 m³/day)**
  - A municipal Gold Cup demonstration project. It has been ranked the top for two consecutive years in a contest on municipal waste water treatment among 36 medium- and large-sized cities, which was launched by the Ministry of Housing and Urban-Rural Development of the PRC.
  - Huashan Waste Water Treatment Project, Everbright Water’s first full-underground waste water treatment project and also Ji’nan’s first large full-underground waste water treatment.

- **Shandong Zibo Waste Water Treatment Project (250,000 m³/day)**
  - China’s first project located in a “heavy industrial city” that complies with the national Grade 1A standard. The project is also the first to have passed the clean production assessment with an excellent grading.

- **Beijing Daxing Tiantanghe Waste Water Treatment Project (80,000 m³/day)**
  - China’s first underground, fully-enclosed waste water treatment plant.

- **Jiangsu Nanjing Municipal Water PPP Project**
  - Everbright Water’s first river-basin ecological restoration project.
CORE MANAGEMENT TEAM

Mr. An Xuesong
Deputy General Manager

Mr. Hu Yanguo
Deputy General Manager

Mr. Raymond Wong
Chief Financial Officer

Ms. Li Chunju
Deputy General Manager

Mr. Wang Tianyi
Chief Executive Officer

Mr. Qian Xiaodong
Deputy General Manager
For more information, please follow us via Website links/QR codes below

Everbright International official website
www.ebchinaintl.com

Everbright Greentech official website
www.ebgreentech.com

Everbright Water official website
www.ebwater.com