

中国光大水务有限公司

CHINA EVERBRIGHT WATER LIMITED

樂在青山綠水





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Company Profile





Company Profile

CHINA EVERBRIGHT WATER LIMITED

**A Leading Service Provider of Water Environment
Management in China**

Dual listed on the Mainboard of Singapore Exchange
Securities Trading Limited("SGX")and the Main Board of
The Stock Exchange of Hong Kong Limited("HKEX")
(U9E.SG & 1857.HK)

Direct Shareholding Company-

China Everbright Environment Group Ltd.,(257.HK)

**A platform dedicated to water business under
China Everbright Group Ltd.**

**Everbright Water strives to seize industry
opportunities, with an aim of becoming a leading
player in China's water industry**

Devoted to Ecology
and Environment
for a Beautiful China





Company Profile



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China Everbright Group Ltd.

Established in Hong Kong in 1983, China Everbright Group Ltd. ("China Everbright Group") is directly managed by the State Council of the PRC. It is among the Fortune Global 500 List. With total assets of approximately RMB4.98 trillion, China Everbright Group is a large financial holdings group with a complete set of business licenses in China.



China Everbright Environment Group Limited



China Everbright Environment Group Limited ("Everbright Environment") is a backbone enterprise of China Everbright Group, and a listed company on the Main Board of the HKEX. As a state-owned and foreign company, Everbright Environment operates with better efficiency and vitality than other state-owned enterprises, and demonstrates a stronger responsibility and better capability than its foreign peers. The company has two listed subsidiary companies, namely China Everbright Water Limited, which is dual listed in Singapore and Hong Kong (U9E.SG & 1857.HK), and China Everbright Greentech Limited, which is listed in Hong Kong (1257.HK). After over a decade of

development, Everbright Environment has grown into a leading player in China and Asia's environmental protection industries, as well as a world-renowned ecological and environmental management group.

Everbright Environment's main business covers: waste-to-energy, food waste treatment, waste sorting, environmental sanitation integration, development of zero-waste cities, energy conservation services, waste water treatment, reusable water, water supply, water environment treatment, integrated biomass utilisation, hazardous waste and solid waste treatment, ecological restoration, technology research and development ("R&D"), planning and designing, equipment manufacturing, analysis and testing, as well as environmental protection industrial parks. The company has a business presence in over 190 locations across more than 23 provinces and municipalities in China, as well as in Germany, Poland and Vietnam. It has secured over 435 projects, with an aggregated investment exceeding RMB130 billion.



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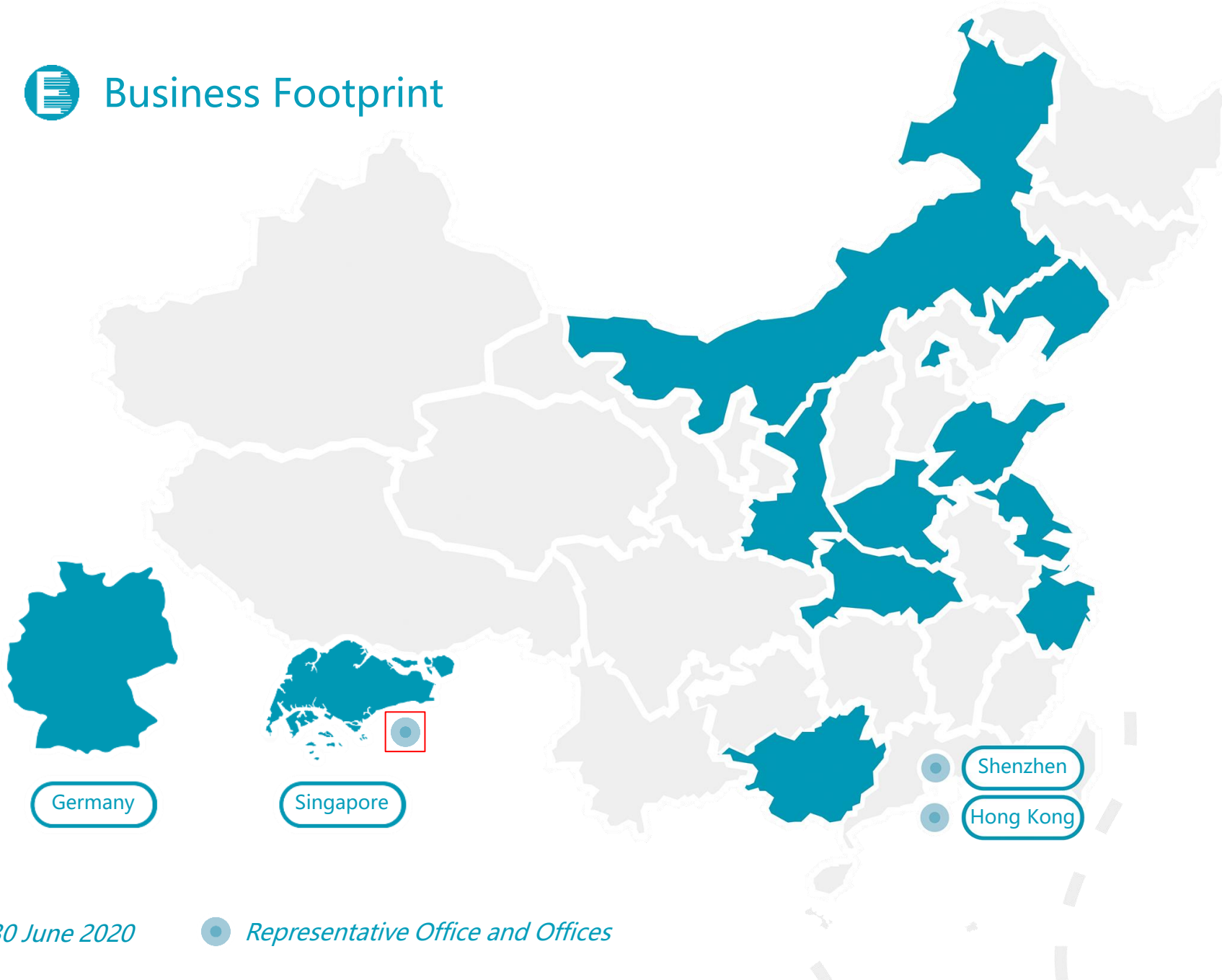


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Business Overview



Business Footprint



Full-fledged business

Full-fledged business coverage

135

135 projects secured

50⁺

Business presence over 50 locations

* As at 30 June 2020

 Representative Office and Offices



Business Overview

** As at 30 June 2020*

**Full-fledged
Business**

Business Scope

Water environment treatment, sponge city construction, river-basin ecological restoration, water supply, reusable water, waste water source heat pump, sludge treatment and disposal, R&D of water technologies, engineering and construction, municipal design, among others.

135

Projects

Everbright Water secured 135 projects in China.

50⁺

Business Presence

Business footprint spans across 10 provinces, municipalities and autonomous regions which include Beijing, Shandong, Jiangsu, Shaanxi, Liaoning, Inner Mongolia, Henan, Hubei Guangxi and Zhejiang, covering over 50 locations.

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Total Assets:
Approximately **HKD23.27** Billion

Water Treatment Capacity:
around 6.4 Million m³/Day

Business Scale

* As at 30 June 2020



The company also has 1 leachate treatment project (with a total investment of about 51 million), 2 sewage source heat pump projects (with a total investment of 141 million) and 4 EPC / entrusted operation projects.

Aggregate Project Investment over RMB 24.3 Billion

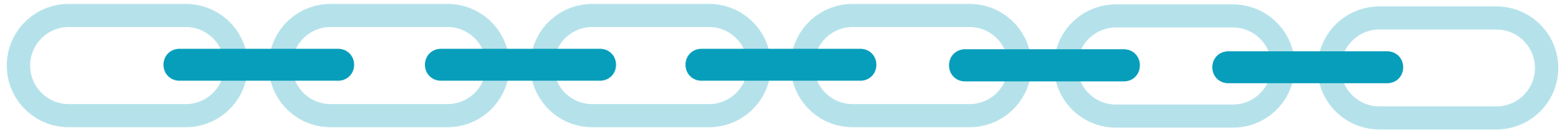
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Business Areas

- **1** Project Investment
- **2** Operations Management
- **3** Engineering Management
- **4** Technology R&D
- **5** Municipal Design



Mergers and
Acquisitions
(M&A)

Public-Private
Partnership
(PPP)

Build-Operate-
Transfer
(BOT)

Transfer-
Operate-
Transfer
(TOT)

Build-Own-
Operate
(BOO)

Joint
Venture
Company
(JV)

1

Business Area-
Project Investment

2 Business Area- Operations Management

Operational Qualifications

A

Everbright Water has a set of operational qualifications, including the municipal waste water grade 1A and industrial waste water grade 1A under the "Qualification for Operation of Environmental Pollution Control Facilities".

Operations Mission

B

By honoring "Stable Operation and Compliant Discharge" as its bounded duty, Everbright Water makes sure its projects operate in harmony with the neighboring environment and communities and pursue sustainable development together.

Management System

C

Everbright Water's operating projects have all applied for the "Quality, Environment, and Occupational Health and Safety" management system certification.

Management Team

D

Everbright Water has a strong operational management team, with various professional background and extensive operations management experience.

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3 Business Area- Engineering Design and Management



Everbright Water adheres to its engineering construction philosophy of "Excellent Design, State-of-art Technology, Advanced Equipment, High Quality Construction and First Class Management", and proactively applies for engineering construction-related qualifications, such as "Grade A for Environmental Protection Engineering Projects", "Grade B for Mechanical and Electrical Installation", "Safe Production License" and "National Industrial Product Manufacturing License".

In the meantime, Everbright Water has steadily developed an advanced engineering management system, which keeps every process of the construction project under strict control, and ensure all construction work is conducted safely and orderly, in order to develop benchmark projects with high quality, high standard and advanced technology. The Company has already acquired a number of certificates, including: ISO 9001 for quality management systems, ISO 14001 for environmental management systems, and OHSAS 18001 for health and safety management systems. With a strong engineering management system, the Company has been able to achieve steady growth of the economic and environmental benefits for its projects.

3 Business Area- Engineering Design and Management- the Philosophy

Brand **A** Building Quality Products and Establishing Quality Branding

First-class **B** Excellent Design, State-of-art Technology, Advanced Equipment, High Quality Construction and First Class Management

Benchmark **C** Developing Holistic and High-quality Projects, with an Aim of Becoming Industry Benchmarks

Safety **D** Safety as a Priority, Quality as the Foundation

4 Business Area- Technology R&D



With its **technology center and German joint venture technology company** as the platform, it is a high starting point, high standard, domestic leading and international advanced technology research and development institution and technology innovation platform integrating water environment technology research, engineering design and consulting, and new business incubation. The technology center is also a **national high-tech enterprise**.

5 Business Area - Municipal Design



In recent years, Everbright Water has been actively exploring asset-light business models relating to engineering design and management, with an aim to boost efficiency of capital utilisation and its overall business return. In 2018, the Company acquired Xuzhou Design Institute, which complements the Company's capabilities in municipal engineering, enhance the efficiency of the Company's engineering design works while reduce relevant costs, as well as enabling the Company to undertake design projects relating to water services to create new source of profit growth. As the Company integrates its resources relating to engineering and technology designs, Everbright Water will further enhance its full-chain service capabilities from the initial project design till project operation.



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Core Competencies



Brand Advantages



Top 10 influential
enterprise in
Chinese water
industry



The most socially
responsible
award of Chinese
Enterprises



Best enterprise
of Singapore
Financial Weekly



Singapore
Securities Investors
Association
Sustainable
Development
Award



FTSE Straits
Times Small Cap
Index



MSCI Mingsheng
China small
index
component
stocks

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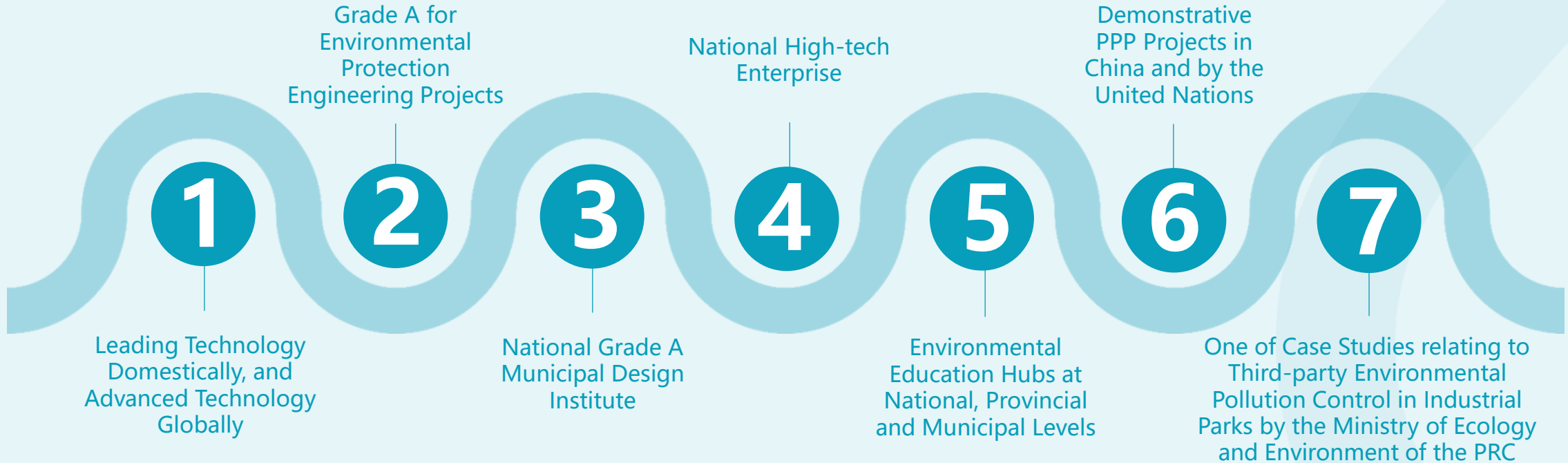
Scale Advantage



Everbright Water was ranked the fifth in China's municipal waste water treatment industry and was largest waste water treatment company among all the enterprises that are owned by the Chinese central government with waste water treatment business.

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Brand Advantages



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Technology Advantages



Its **Nanjing technology development company** focuses on R & D and technical consulting, which is an important technology R & D platform.

The joint venture company **E+B Umwelttechnik GmbH** builds overseas business channels to promote the company's core technology in line with international standards.

Xuzhou Municipal Design Institute effectively supplemented the company's municipal engineering design qualification and experience.

Guangdong Provincial Research Center for urban water cycle and water environment security engineering technology, co-established with Tsinghua University.

Cooperating with Harbin Institute of technology to establish **a joint training base for postdoctoral students** in Shenzhen.

Cooperate with design institutes directly under the Ministry of water resources to set up **academician workstation** in xiong'an new area.

carry out comprehensive strategic cooperation with many **well-known universities** at home and abroad.



Technology Advantages - Technology Areas

- A** Advanced Waste Water Treatment
- B** Intelligent Management of Industrial Waste Water Sources
- C** Sponge City Construction & River-basin Ecological Restoration
- D** Harmless Treatment and Reuse of Sludge
- E** Integrated Treatment of Odorous Gas

Technology Advantages



EBHES™ High-density sedimentation tank

Application

- Pre-treatment at waste water treatment plant or potable water plant
- Advanced treatment at waste water treatment plant
- River-basin ecological restoration



EBAF™ Biological aerated filter

Application

- Advanced treatment at waste water treatment plant
- Upgrading of waste water treatment plant



EBOC™ Biological deodorisation

Application

- Deodorisation at waste water treatment plant



EBOAC™ Ozone catalytic oxidation

Application

- High-density waste water treatment
- Advanced treatment at waste water treatment plant



Intelligent Water System

Application

- Precise aeration
- Precise dosing
- Intelligent water plant



EBMED™ Low-temperature sludge drying

Application

- Sludge treatment plant
- Various types of chemical sludge
- Food waste, organic waste, etc.

Financing Advantages

In January 2015, Everbright Water introduced two well-known international investment institutions as strategic investors: International Finance Company ("FC") which is a member of World Bank Group and Dalvey Asset Holdings Ltd, a wholly-owned subsidiary of RRJ capital

From July 2017 to January 2019, Everbright Water successfully completed the company's first RMB denominated corporate bond in three phases, with a total issuance scale of RMB 2.5 billion.



In May 2019, Everbright Water was successfully listed on the main board of the stock exchange of Hong Kong, obtaining the dual listing status of Singapore and Hong Kong.

In June and August 2020, Everbright Water first issued asset-backed securities (ABS) and the first phase of medium-term notes, with the issuance scale of RMB 300 million and RMB 1 billion respectively

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4

Project
Showcase



Project Photos



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Project Showcase – **Business Categories**

- **A** Raw Water Protection
- **B** Water Supply
- **C** Municipal Waste Water Treatment
- **D** Industrial Waste Water Treatment
- **E** Water Reuse
- **F** Watershed Management
- **G** Sludge Treatment and Disposal

A Project Showcase – Raw Water Protection



Zhejiang Tongxiang Drinking Water Source Protection Project

- The project is invested, constructed and operated in BOT mode with a franchise period of 20 years.
- The project covers an area of about 3.6 km², and the design water intake scale of the project is 600,000 m³/day.
- The main indexes of effluent quality of ecological wetland of the project are in accordance with GB3838-2002 class III surface water quality standard, some indexes can reach class II surface water quality standard, and the effluent turbidity is less than 30 NTU.
- The project is the first drinking water source protection project of Everbright Water.

B Project Showcase – Water Supply



Shandong Jinan Zhangqiu Urban Rural Water Supply Integration Project

- The project is the first urban-rural water supply integration project of Everbright Water, with a franchise period of 30 years. The project operates in BOT and other modes. Everbright water holds 80% of the shares.
- The project mainly undertakes the construction projects within the administrative region of Zhangqiu District, covering urban and rural water supply, construction of new reservoir pipe network, reservoir water diversion and source supplement, etc.

C Project Showcase – Municipal Waste Water Treatment



Shandong Jinan Waste Water Treatment Project

- The project was invested in TOT mode and put into commercial operation in November 2006 with a franchise period of 30 years. The project includes 8 sewage treatment plants and 1 reclaimed water treatment plant, with a daily treatment capacity of 1,225,000 m³.
- The project is the only Chinese project selected in the world's 12 successful PPP cases in the "2016 UNECE international PPP forum".
- The No.1 and No.2 plants under the jurisdiction of the project are the first "provincial capital city" in China to fully implement the national class a emission standard. The national municipal golden cup demonstration project has been ranked first in the sewage treatment evaluation of 36 large and medium-sized cities by the Ministry of Housing and Urban Rural Development for many years.

Project Showcase – Municipal Waste Water Treatment



Shandong Qingdao Waste Water Treatment Project

- The designed daily sewage treatment capacity is 220,000 m³.
- The Qingdao sewage treatment project (Maidao plant) expansion project included is a supporting project for the sailing competition of the 2008 Beijing Olympic Games.
- The effluent shall comply with the national Class A discharge standard.

C Project Showcase – Municipal Waste Water Treatment



Beijing Daxing Tiantanghe Waste Water Treatment Project

- The project is the first underground, fully-enclosed waste water treatment plant in China. It was invested in and constructed based on a BOT model, with a designed daily waste water treatment capacity of 80,000 tonnes.
- The discharged water of the project complies with Beijing's Grade B discharge standard according to the Discharge Standard of Water Pollutants for Municipal Wastewater Treatment Plant (DB11/890-2012), which is more stringent than the national Grade 1A standard.

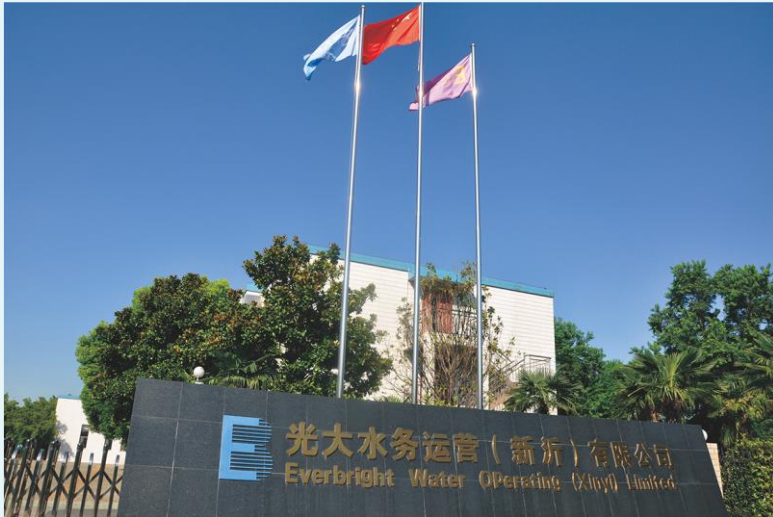
Project Showcase – Municipal Waste Water Treatment



Liaoning Dalian Siergou Waste Water Treatment Project

- The project is a large semi-underground waste water treatment plant in China, and also one of The second batch for Dalian City's environmental protection facility "Open Day" initiative.
- The project was invested in and constructed based on a BOT model, with a designed daily waste water treatment capacity of 100,000 m³ The discharged water complies with the national Grade 1A standard.

D Project Showcase – Industrial Waste Water Treatment



Xinyi Economic Development Zone Waste Water Treatment Project

- The project was invested in and constructed based on a PPP model, with a concession period of 25 years. The discharged water complies with the national Grade 1A standard.
- The project is mainly responsible for the treatment of waste water generated from chemical companies in the chemical industrial cluster of the Xinyi Economic Development Zone (namely the Tangdian chemical cluster and the Suhua area).

D Project Showcase – Industrial Waste Water Treatment



Jiangsu Nanjing Pukou Industrial Waste Water Treatment Project

- The project was invested in and constructed based on a BOT model for a concession period of 20 years, with a designed daily water treatment capacity of 60,000 m³. The discharged water of the project complies with the national Grade 1A standard.
- The project mainly provides services to the integrated circuit industrial cluster in the Pukou Economic Development Zone of Nanjing City.

E Project Showcase –Water Reuse



Shandong Jinan Licheng Resuable Water Project

- The project was invested in and constructed based on a BOO model for a concession period of 24 years, with a designed daily water supply capacity of 42,000 m³. The project uses water discharged by Ji'nan Waste Water Treatment Project (Plant 3) for water recycling for power plants.
- The project is the largest reusable water project in Shandong Province, as well as a key project of this type in Ji'nan City. It has significant demonstrative effect on water recycling, water conservation and improvement of environmental and economic efficiencies in the city.

E Project Showcase –Water Reuse



Jiangsu Nanjing Pukou Reusable Water Project

- The project was invested in and constructed based on a BOO model for a concession period of 15.5 years, with a designed daily water supply capacity of 60,000 m³.
- The project is mainly responsible for the restoration and water replenishment of the Chengnan River, as well as providing recreational water for the Yushan River. The discharged water of the project complies with the Surface Water Quality Standard Category IV, as well as the standards of water for the purposes of landscaping, street cleaning and greening in urban areas.

F Project Showcase –Watershed Management



Jiangsu Zhenjiang Sponge City Construction PPP Project

- The project is Everbright Water's first sponge city construction project, and also the first out of 16 cities selected under the sponge city construction pilot programme funded by the Ministry of Finance, Ministry of Housing and Urban-Rural Development and Ministry of Water Resources of the PRC. It is Invested in and constructed based on a PPP model, with a concession period of 23 years.
- The project commands a total investment of approximately RMB2.585 billion, including a RMB1.2 billion subsidy from the PRC central government and a RMB1.385 billion investment contributed by a joint-venture company established by Everbright Water and Zhenjiang Waterworks Corporation
- The joint-venture company undertakes the construction and operation of Zhengrunzhou Waste Water Treatment Plant, and a series of rainwater pump stations, drainage networks, rainwater storage tanks and the ecological restoration and repair of certain rivers.

G Project Showcase –**Sludge Treatment**



Shandong Zibo Sludge Treatment Project

- The project has been put into operation. The sludge drying process route of "sludge thickening + chemical conditioning + plate and frame pressure filtration" is adopted to achieve the sludge moisture content of 60%.

Jiangsu Jiangyin Sludge Treatment Project

- The project adopts the deep dewatering process of "sludge conditioning + plate and frame pressing". The sludge with 98% moisture content was directly dried to below 50% water content.



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Corporate
Culture & Social
Responsibility





Corporate Aspiration

Focusing on the Water Market,
and Dedicated to
the Comprehensive Management of
Water Environment,
Comprehensive Utilisation of Water Resources,
and Comprehensive Protection of Water Ecology,
With the Aim of Becoming a Leading Player in
China's Water Industry.

**Fulfilling its Corporate Commitment
and Responsibility, in Order to Contribute more
Towards Social Progress, Economic Growth and
Environmental Governance.**

Devoted to
**ECOLOGY
AND
ENVIRONMENT**
for a
**BEAUTIFUL
CHINA**

Corporate Culture



Development Philosophy:

Taking Quality as the Top Mission and Keeping Efficiency as the Priority with Support by Scale

Operation Philosophy:

Pursuing Excellence and Close to Zero Discharge

Management Philosophy:

People-oriented, Pragmatism, Creativity and Systematic Management

**Everbright Water honors
social responsibility
as its core mission.**

**As at 30th June 2020,
it had accumulatively treated waste
water of approximately 10.4 billion
tonnes, and reduced COD by
approximately
3.6 million tonnes.**

Charitable Activities



Everbright Water always encourages its staff to participate in volunteer activities, such as donations, caring visits, blood donations and tree planting, to fulfill its social responsibility.

Community Care



Everbright Water strives to promote volunteering activities, environmental protection education, disaster-relief, as well as other types of charitable activities, with an aim of running business in harmony with the local communities.



The company actively participates in various environmental initiatives, such as the National Public Science Day, the World Water Day and the International Environment Day, with an aim of promoting advanced environmental technologies and enhancing the public awareness of environment protection.



A number of projects under Everbright Water have been recognised as hubs for environmental protection education, which regularly allow students, investors, government officials, professionals and also the general public to visit the projects and exchange views on environmental technologies.



From January 2015 to the end of 30th June 2019, projects under Everbright Water received more than 3,400 groups of visitors, or more than 80,000 visitors in total from all social circles, for project visits.

Staff Development



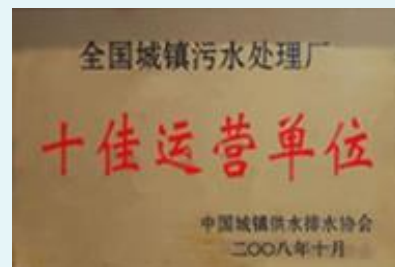
Everbright Water values talent as its treasure. By adhering to its people-oriented philosophy, the company provides a series of trainings to improve the overall capability of its staff, encourages its staff to participate in various trainings and learning opportunities. In the meantime, the company also pays close attention to the lives of its staff by organising various recreational activities.



Accolades and Awards



Ji'nan Waste Water Treatment Project



Ji'nan Waste Water Treatment Project



Ji'nan Waste Water Treatment Project



Ji'nan Waste Water Treatment Project



Beijing Daxing Tiantanghe Waste Water Treatment Project



Zibo Waste Water Treatment Project



Zibo Waste Water Treatment Project



Xianyang Dongjiao Waste Water Treatment Project



Xianyang Dongjiao Waste Water Treatment Project



Xianyang Dongjiao Waste Water Treatment Project



Lianyungang Dapu Waste Water Treatment Project



Lianyungang Waste Water Treatment Project



Accolades and Awards



Lianyungang Waste Water Treatment Project



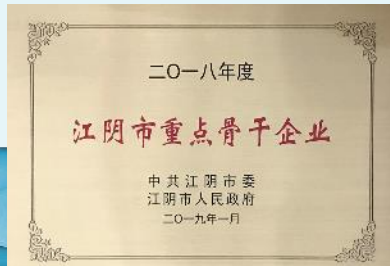
Jiangyin Waste Water Treatment Project



Jiangyin Waste Water Treatment Project



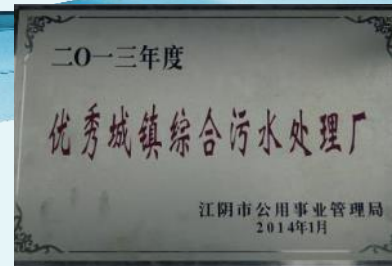
Jiangyin Waste Water Treatment Project



Jiangyin Waste Water Treatment Project



Jiangyin Waste Water Treatment Project



Jiangyin Waste Water Treatment Project



Dezhou Waste Water Treatment Project



Dezhou Waste Water Treatment Project



Dezhou Waste Water Treatment Project



Dezhou Waste Water Treatment Project



Dezhou Waste Water Treatment Project



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