



首届上市公司可持续发展官高峰论坛  
暨年度最佳奖项评选  
Inaugural CSO Forum and  
Sustainability Excellence Awards

**Create long-term value  
Build sustainable future**

**Awards Gala Brochure**





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# Foreword

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Climate change has become one of the biggest environmental challenges facing the world today. Pursuing a green recovery with clean and low-carbon production and lifestyle, especially in the post-COVID era, will have a direct impact on the future of human society. A far-reaching economic and social change is imminent.

Implementing the sustainable development strategy and accelerating the green and low-carbon transformation are not only the act and responsibility of China as a responsible power, but also the key to building China's economic and industrial core competitiveness in the future. In 2020, President Xi Jinping introduced the "3060" dual carbon targets, where a clearer path toward a sustainable future was mapped out. As an active advocate and practitioner of sustainable development, EY has been promoting its "decarbonization" process and is willing to work with all walks of life to build a green and sustainable business world.

Over the past two years, EY has achieved carbon neutrality and has since become carbon negative. It is committed to reducing its emissions by 40% and becoming net zero by 2025. Moreover, the EY Greater China Region has set up an ESG Management Committee and released its first EY Greater China FY21 Environmental, Social and Governance Report, sharing its philosophy and progress in promoting sustainable development and creating long-term value for society.

Faced with severe climate and environmental pressure, as well as the impact and challenges of the pandemic, more and more companies are formulating their sustainable development strategy and integrating sustainability into their production and operation.

In a changing and demanding market, EY has the responsibility and capability to bring together wisdom and strength to help companies gain insights on policy trends, accelerate technological innovation, transformation and upgrade, and build a sustainable and green finance system. We hope to join hands with you on the journey of sustainable development, and build trust among broader communities while creating long-term value.

This is why we organize the CSO Forum with the theme *Create long-term value; Build sustainable future*. EY hopes that this can serve as a platform for exchanging experience among the government, regulators, professional organizations, academic institutions and leading companies, while providing valuable experience through the Sustainability Excellence Awards to help companies transform sustainability ideas into business strategy, and accelerate the commercial application of new standards and new technology.

I look forward to your participation and collaborating with you on our journey toward a sustainable future.

**Jack Chan**  
Chairman, China  
Regional Managing Partner, Greater China  
EY

# Create long-term value; Build sustainable future

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According to the Report to the 20th CPC National Congress, pursuing high-quality development is an overarching task to build a modern socialist country in an all-round way. It is required that we fully and faithfully apply the new development philosophy on all fronts and build a new development pattern. The harmony between humanity and nature is essential for building a modern China while sustainability is a priority in building a beautiful China, and faster adoption of green and low carbon approaches in economic and social development is of crucial importance to achieve high-quality development.

To accelerate and support the high-quality development, the EY Greater China Region launched the inaugural CSO Forum and Sustainability Excellence Awards, which is designed to identify and recognize best practices in low-carbon transformation and sustainable development; drive the deployment and commercialization of new technology and models; encourage listed companies to play a leading role in advancing sustainable development in China.

The CSO Forum, themed with *Create long-term value; Build sustainable future*, invites representatives from the government, regulators, professional organizations, academic institutions, and leading companies to share insights on the opportunities and challenges in the transformation of different industries, as well as topics such as powering green and sustainable development with technology and finance.

With the introduction of the latest global sustainability evaluation system and ESG standards, the independent judging panel selects award recipients in each category - a company/institution, individual, and practice/case, taking into consideration the key national development strategies such as green development, rural revitalization and common prosperity.

The nominees come from different industries and fields. The awards is dedicated to sharing experiences and outcomes from the latest practices of high quality development to explore new models and new paths for green transformation and sustainable development, and provide access to new features and trends of Chinese companies to promote high-quality and sustainable development.

1. Integrating the philosophy of sustainable development into corporate strategy and management, and using business as an instrument to respond to national concerns and help address social issues to achieve win-win economic, environmental, and social benefits
2. Prioritizing ongoing innovation and investment in technology and using innovative technologies to enable a sustainable environment, to promote green and low-carbon production and lifestyle.
3. Strengthening ESG capability and disclosure, taking into consideration the environmental and social impacts of the upstream and downstream of the industrial chain to promote the green development of the real economy with green finance.

Looking forward, the CSO Forum and Sustainability Excellence Awards will always hold onto the philosophy of professionalism, rigorousness, objectivity, and fairness, support the national high-quality development strategy, and help more companies on their journey toward sustainability to create long-term value for country and society and build a trusted, sustainable and better business world.

The CSO Forum and Sustainability Excellence Awards Organizing Committee

November 2022



## ■ Awards categories



Excellence Awards - Company / Institution



Excellence Awards - Individual



Excellence Awards - Best Practice / Case

- ▶ Leading social initiative
- ▶ Technology innovation and advancement
- ▶ Financial enablement and empowerment

## ■ Scope

Nominees, recommended by the organizers and event supporters, are mainly from national and international listed companies of a certain scale. The nominee can be a company/institution, the head of a company/institution, a CSO/leader from sustainability-related functions, and a practice/case.



Excellence Award -  
Company/  
Institution

### Company/institution

includes but not limited to:

- ▶ Companies/institutions excelling in overall ESG performance
- ▶ Companies/institutions excelling in one or more areas of ESG
- ▶ Companies/institutions leading ESG efforts in their industry



Excellence Award -  
Individual

### Individual

includes but not limited to:

- ▶ Individuals working at a listed company, including executives responsible for typical sustainability-related business, innovative technical professionals and scientists
- ▶ Influential individuals who initiate, promote or lead sustainability efforts



Excellence Award  
- Best Practice/  
Case

### Practice/Case

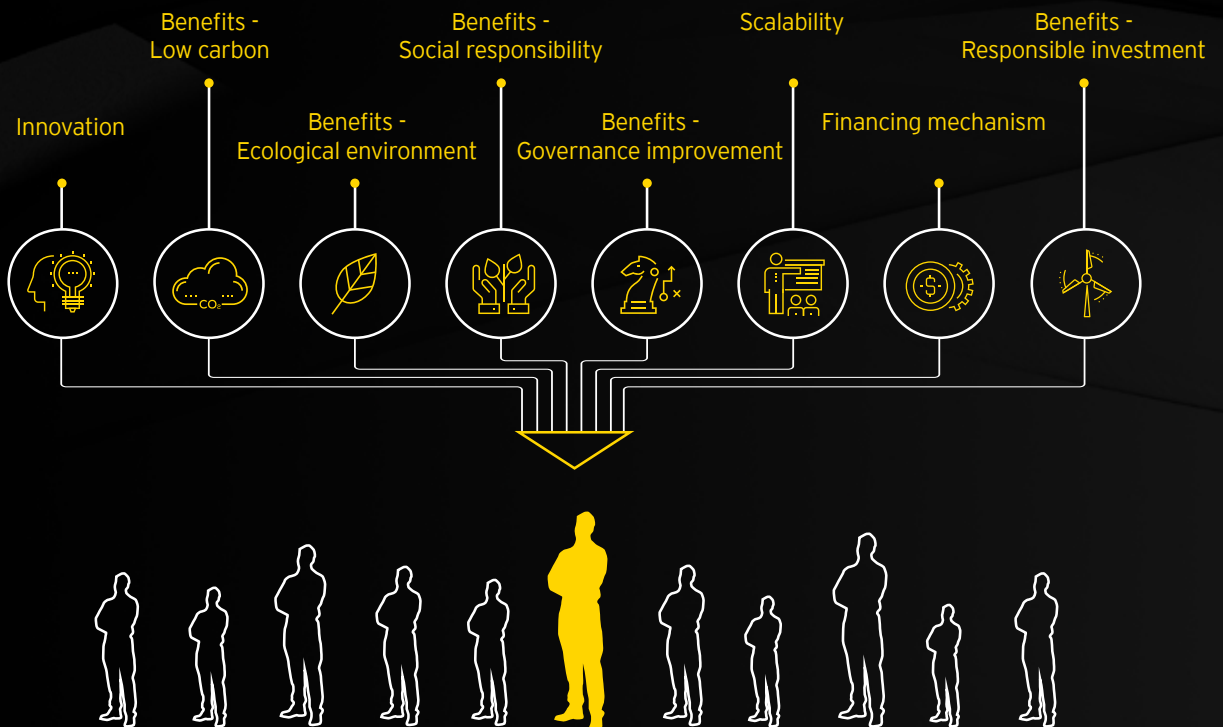
includes but not limited to:

- ▶ Low carbon transformation and ESG management projects with leading technology, scalability, clear trends in cost reduction, wider commercial application, comparable advantages in market entry and affordability and significant social effects
- ▶ Dual carbon targets-related road map and best practices/cases
- ▶ Investment projects and financial products with excellent performance in ESG, including but not limited to helping achieve significant low-carbon benefits, supporting pollution prevention and environmental protection projects, creating and increasing jobs, supporting rural revitalization, facilitating the development of small and micro-sized companies, improving healthcare and medical provision, raising education level or increasing educated population, supporting the achievement of common wealth and sustainability targets



## ■ Judging criteria

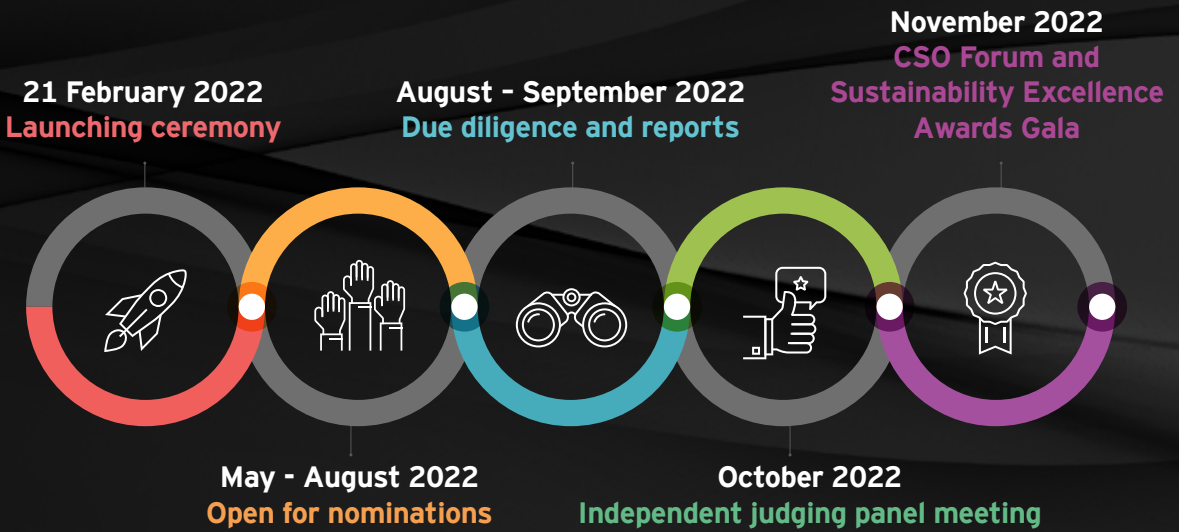
EY teams will bring in the latest global sustainability evaluation system and ESG standards while refer to national and international principles and guidelines. The independent judging panel will evaluate shortlisted participants through an independent judging panel.







## ■ Selection process



## ■ Independent judging panel

With reference to the judging criteria, an independent panel of recognized judges - comprising local experts, scholars, entrepreneurs and institutional investors - selects the award recipients of Sustainability Excellence Awards based on the application materials and due diligence reports. The judging process is carried out in a fair, open and impartial manner.



### Mr. Wang Zhan

Honorary Judging Chairman

Chairman of Shanghai Federation of Social Sciences

Vice President of China Economic System Reform Research Association

Executive Director of China Center for International Economic Exchanges

Mr. Wang Zhan served as Deputy Secretary General of the CPC Shanghai Municipal Committee, Director of the Research Office of the Municipal Committee, Director of the Shanghai Municipal Decision-making Advisory Committee, Director of the Office of the Municipal Leading Group of Finance and Economics, Member of the 9th and 10th National Committee of the Chinese People's Political Consultative Conference, Deputy to the 11th and 12th National People's Congress, President of the Shanghai Academy of Social Sciences, Chief Expert of the National Top Expert Pool, Secretary of the Party Group and Director of the Development Research Center of the Shanghai Municipal People's Government, Chairman of the Shanghai Advisory Center for WTO Affairs, and Vice Chairman of the Yangtze River Development Promotion Association. Since 1993, he received special allowance from the State Council, and in 1998, he was awarded as one of the Outstanding Young and Middle-aged Experts by the Ministry of Personnel.

Since early 1980s, Mr. Wang has been committing to the researches of Shanghai Municipal Government, and later national policy-making advisory for China's comprehensive deepening reform and strategic transformation. He led the policy-making advisory research, including Shanghai in the 21st Century, Study on the Development and Opening of Shanghai Pudong in the 1990s, Study on the Theme of Shanghai World Expo, Outline of Shanghai Action Plan for China's Accession to WTO, Argumentative Research on Shanghai Yangshan Container Port, Study on China's Reform and Development Strategy in the Next Decade, Shanghai 2050: Towards a Global Civilized City, etc. The policy recommendations including those on Shanghai's land lease, Pudong development, Constructing Shanghai Metropolitan Area, Study on the Impact of China's WTO Accession on Shanghai's Economy and Countermeasures, and International Comparative Study on Shanghai's Comprehensive Competitiveness were adopted by the municipal government and have important social and economic influence. He also serves as an economic advisor to the provincial and municipal governments of Yunnan, Jiangsu, Chengdu and Suzhou, and is one of the most well-known decision-making advisory experts and scholars in China.



### **Professor Jiao Jie**

Judging Chairman

Professor at Department of Innovation,  
Entrepreneurship and Strategy

Dean of the Institute for State-owned  
Asset Management of Tsinghua  
University

Director of the China Industrial  
Development Research Center at  
Tsinghua University SEM

Professor Jiao Jie is a doctoral supervisor at the Department of Innovation, Entrepreneurship and Strategy in the School of Economics and Management of Tsinghua University (Tsinghua University SEM), Dean of the Institute for State-owned Asset Management of Tsinghua University and the Director of the China Industrial Development Research Center at Tsinghua University SEM. He is selected as an expert in the Asset Management Talent Pool of the Ministry of Finance, and concurrently served as the Chief Economist and Honorary Chief Editor of the journal State-owned Asset Management.

Professor Jiao's main research areas include strategic planning and investment, management innovation and practice, State-owned asset management, Industrial and regional development strategies. Professor Jiao is a member of the American Institute of Certified Public Accountants, a Chartered Global Management Accountant (AICPA | CGMA), a fellow member of the Chartered Institute of Management Accountants (CIMA | FCMA). He led many research projects of the National Natural Science Foundation of China and the State Intellectual Property Office. Professor Jiao has his research achievements published at international academic journals, such as Journal of Banking & Finance, Entrepreneurship Theory and Practice, Journal of Occupational and Organizational Psychology, Technological Forecasting and Social Change, Journal of Financial Research, Journal of Management & Organization, Management and Organization Review, Asia Pacific Journal of Management. He also publishes many important articles at top-tier academic journals in China, such as management World, Chinese Soft Science Magazine, Nankai Business Review, China Journal of Economics, Acta Psychologica Sinica. He is expert at writing business study cases collected and published by Harvard Business School (HBS) Case Collection and China Business Case Center Tsinghua SEM.

Professor Jiao has extensive industrial experience and worked for China Ocean Shipping Group Corporation, China Netcom, World Bank etc. He advised on the planning and development strategy for emerging sectors of strategic importance and assisted enterprises in improving their competitiveness in many regions.



**Mr. Yu Xingxi**

Secretary General of the Listed Companies Association of Beijing

Mr. Yu Xingxi serves as Secretary General of the Listed Companies Association of Beijing, member of Academic Advisory Committee of China Association for Public Companies as well as Adjunct Professor of School of Economics and Management of Beijing Jiaotong University, Course Instructor of Executive Education Program at the Business School of Renmin University of China, MBA Mentor of School of Economics and Business Administration of Beijing Normal University, and Independent Director (Chairman of Audit Committee) of several listed companies. Previously, Mr. Yu served as Board Secretary, Spokesperson, Principal of Finance Department and Principal of Investment Department of the China Railway Construction Corporation (the predecessor of China Railway Construction Corporation Limited, CRCC) and CRCC listed both in Shanghai and Hong Kong as well as Director, Chairman, General Manager, Chief Financial Officer, Chief Accountant at subsidiaries and branches under the CRCC; meanwhile, Mr. Yu participated in or presided over such activities as IPO, private placement, mergers and acquisitions, domestic and foreign convertible bonds and spin-off listing overseas.

Mr. Yu holds Bachelor of Economics and Master of Management and CPA, CTA, Corporate Counsel and Fund Qualification certificates as a senior accountant, who has in-depth research on financial accounting, investment and financing, capital market and corporate governance. Mr. Yu is a fellow member (non-practicing) of the Chinese Institute of Certified Public Accountants and one of the sponsors of China Corporate Governance 50 Forum established on October 31, 2020.

Mr. Yu used to be the leader of the expert review group of demonstration state-owned enterprises (SOEs) on corporate governance under the State-owned Assets Supervision and Administration Commission of the State Council SASAC and teach courses on corporate governance for listed companies, SOEs, universities and training institutions.

Mr. Yu has published more than 100 professional papers, many of which have won awards or been republished. Mr. Yu started a column on a monthly magazine Xinlicai in August 2017, and frequently contributes articles to media outlets including Board of Directors.

During his tenure of service as Board Secretary, the Board of Directors of CRCC was rated by the SASAC every year as a well-functioning board of directors and honored with numerous titles, including Outstanding Board of Directors, while for himself, Mr. Yu received more than 40 honors, including New Wealth Gold Board Secretary (5 times) as a member of Board of Secretary Hall of Fame, New Wealth Gold Award for Best Capital Operation (twice), Gold Board Secretary Lifetime Honor Award and Lifetime Achievement Award of Top 100 Board Secretary Awards by Sina Finance, and China's Top 10 Board Secretaries by China CFO Summit.



**Mr. Mei Dewen**

The General Manager of China Beijing Green Exchange (former China Beijing Environment Exchange)

Mr. Mei Dewen, the General Manager of China Beijing Green Exchange (former China Beijing Environment Exchange), holds MBA from Peking University and Master of Finance from New York Fordham University. Also he is Secretary General of Beijing Green Finance Association; Deputy Secretary General of Green Finance Committee, China Society for Finance & Banking; Member of Standing Committee of Climate Investment and Finance Association, China Society for Environmental Sciences; Researcher of Center for Eco-Finance Studies, Renmin University of China and Researcher of International Institute of Green Finance, Central University of Finance and Economics, etc. He has served as the General Manager since the establishment of Beijing Environment Exchange in 2008. With 15 years of experience in carbon trading and 20 years of experience in investment and financing, he has published many articles on green finance and carbon market.



**Dr. Yuebing Lu**

Chairman, Climate Capital Group

Dr. Lu is the Chairman of Air Liquide China Holding Co. Ltd..

Previously, Dr. Lu was vice chairman of China Funds of Siguler Guff & Company a New York-based private equity fund of funds invested by China Investment Corporation (CIC). He was deputy president and chief investment officer of China Jiayin Investment Co. Ltd., the domestic investment platform of CIC and managing director of Climate Change Capital.

Before his above work in private equity and sustainable investment, Dr. Lu had been executive vice president of Alstom (China) Investment Co., Ltd., vice president of Ford Motor (China) Investment Co., Ltd.. In those capacities, he helped the above companies to transfer technologies, build wholly-owned subsidiaries, set up joint ventures and make acquisitions in China.

He is fellow of Cambridge Overseas Society, honorary senior research fellow of Birmingham University. He was expert advisor to UNCTAD for its flagship report World Investment Report 2010: investing in low carbon economy. He holds a B. Eng. in mechanical engineering from Tsinghua University and a Ph.D. in economics from Cambridge University.



**Dr. Neil Wang**

Frost & Sullivan Global Partner and  
Greater China President

Dr. Neil Wang is the founder of Frost & Sullivan's business in Greater China, and now he is the Global Partner and Greater China President.

Dr. Neil Wang has over 20 years of outstanding experience in consulting services for multinational companies and leading businesses in Asia Pacific region, especially in Greater China.

For 24 years, led by Dr. Neil Wang, Frost & Sullivan's team has combined 61 years of consulting experience with a global perspective to help clients accelerate their growth and achieve advanced positions in growth, science and innovation, and leadership in their industries. As one of the leading figures of investment strategy consulting service in China, Dr. Wang has guided nearly 1,000 domestic and international companies to finance and list in major global capital markets.

Dr. Neil Wang has led Frost & Sullivan's team since 2003. Dr. Wang is credited with pioneering professional industry consulting service offerings for listings on the stock Exchange of Hong Kong and other stock exchanges globally. Dr. Wang was at the helm of firstly establishing and standardizing business processes and service level standards of industry consultants for investment and financing, making great achievements and contributions in setting up industry standards. Dr. Wang also took part in the solicitation of revision opinions of biotech company listing on the Main Board under Chapter 18A of the Listing Rules published by the Hong Kong Stock Exchange.

Frost & Sullivan's team has been providing investment and financing consulting services for corporate leaders and their management teams, and has helped nearly 1,000 companies successfully list in Hong Kong and overseas. From 2014 to 2021, Frost & Sullivan has been continuously ranked no.1 market share of industry research and consulting services in Hong Kong and overseas IPO market. In recent years, Frost & Sullivan's reports have also been widely cited in the prospectus documents of leading A-share listed companies, primary and secondary markets research reports and other public capital market documents.

In addition to leading Frost & Sullivan to achieve many successes in the Asia Pacific region, Dr. Neil Wang also founded the cutting-edge domestic original industry/enterprise research content platform and new enterprise service provider "LeadLeo", which is widely recognized by the government, financial institutions, investors, enterprises and media.



**Mr. Chao Yijun**

Partner, Han Kun Law Offices

Mr. Chao Yijun co-founded Han Kun Law Offices in 2004. Previously, he worked at Coudert Brothers LLP and Morrison & Foerster. Mr. Chao focuses primarily on private equity and venture capital, onshore and offshore securities issuances and listing, mergers and acquisitions, fund formation and management, and intellectual property.

Mr. Chao has been on the cutting edge of the development of China's venture capital and private capital industry, representing many high-tech start-ups in their private equity and venture financings, mergers and acquisitions, and onshore and offshore listings. His clients are in a broad range of industries. He also represents many industry-leading multinationals and PRC and non-PRC equity investment funds in their investments into Chinese companies. He has advised issuers and underwriters on multiple listings of Chinese companies in the United States, Hong Kong, and the mainland of China.

Mr. Chao also represented a variety of multinational companies, handling various legal issues related to their direct investments and mergers and acquisition transactions within China. Such transactions include the establishment of various types of foreign-invested enterprises, structure, significant and complex asset transfers, appraisal and government approval of state-owned assets, research and analysis of regulation and policy changes, and strategic planning. He also represents both multinational companies and Chinese companies in handling transactions and infringement matters related to patents, trademarks, copyright, and trade secrets.

Mr. Chao has been consistently recognized as a leading Chinese lawyer in the fields of private equity, capital markets, mergers and acquisitions, and technology, media and telecommunications by many internationally renowned legal ranking agencies.





**Mr. Liu Senlin**

Managing Director, CICC Capital

Mr. Liu Senlin is the Managing Director of CICC Capital and has over 15 years of experience in investment banking and Private Equity. Mr. Liu has invested in numerous companies covering medicine, high-end manufacturing, TMT, and consumption. He has led investments in United Imaging Healthcare, BAIC BJEV, Kidswant Children Products, Huitongda Network, StarCharge, 3DMed Diagnostics, RIMAG and other leading investments. Prior to CICC Capital, Mr. Liu worked in the Investment Banking Division of CICC, participated in corporate restructuring, stock issuance, financial advisory, and bond issuance. Mr. Liu graduated with a bachelor's degree in engineering and a master's degree in management from Tsinghua University.

## ■ EY Sustainability Excellence Awards 2022 - Special Jury Prize

(The list is arranged without priority)



**Bank of China  
Limited**

The independent judging panel agrees that Bank of China Limited (BOC) takes green finance as one of its strategic business directions – eight major financial featured products and professional services with onshore commercial banks as the mainstay, leveraging its advantages in globalization and integrated operation, using financial instruments including investment, lending, debt, equity, insurance and leasing, and provides “BOC Green +” product and service solutions to inject vitality and vigor for green and low-carbon development.

In 2021, BOC continued to increase onshore green credit, with the balance exceeding 1.4 trillion yuan by the end of 2021, up 57% on YOY basis. Also, BOC led in green bond market. In terms of investment, BOC topped the National Association of Financial Market Institutional Investors’ rankings of green debt financing instrument investors in 2021. Moreover, BOC introduced ESG investment philosophy and issued a number of ESG investment products.

Notably, as the official exclusive banking partner of the Beijing 2022 Winter Olympics, BOC upheld the philosophy of “Green Olympics”, fulfilled its commitment to providing carbon neutral financial services, and contributed its efforts to the biodiversity conservation during the Beijing Winter Olympics. As such, BOC was awarded the Special Jury Prize.

Along with the Special Jury Prize, BOC’s case study - supporting the biodiversity conservation during the Beijing Winter Olympics to promote Green Olympics was recognized as a best practice for financial empowerment.



**GD Power  
Development  
Co., Ltd.**

The jury agrees that GD Power Development Co., Ltd. (GD Power), as one of the largest listed power companies in China, firmly fulfills its responsibility to secure power supply, commits itself to the development of clean coal-fired power and actively promote technology advancement and model innovation, resulting in substantial improvement in energy efficiency and significant reduction in carbon emissions. All these make GD Power become a paradigm in low-carbon transformation for power businesses. Moreover, GD Power’s profile shows that it attaches equal importance to both economic benefits and ecological and social benefits. Its case study has great potential for sustainability, which provides a solid underpinning for practice and will be replicable.

GD Power is honored with the Special Jury Prize. The panel recognizes its contribution to promoting high-quality development in power industry, rural revitalization and boosting regional economic development as well as its demonstration role in facilitating win-win solutions for business and social environment.



## ■ EY Sustainability Excellence Awards 2022 - Company

(The list is arranged without priority)



**GD Power  
Development  
Co., Ltd.**

Founded in 1992, GD Power Development Co., Ltd. (GD Power) is a core listed power company controlled by National Energy Group and serves as an integrated platform for conventional energy power generation business. Its main business covers the production and sales of electric power involving a wide range of areas, including thermal power, hydropower, wind power, photovoltaic power generation and coal. GD Power is committed to becoming a leader in the transformation of conventional power energy and the backbone in new energy development, and a leader among world-class companies. GD Power focuses on transformation and upgrade, and strengthens energy conservation and environmental protection transformation, driving down the carbon emission intensity of power supply. It also stimulates internal growth momentum by facilitating the digitalization and building of an intelligent new energy enterprise. GD Power attaches equal importance to both economic benefits and ecological and social benefits, places great value on information disclosure and overall improvement of corporate governance, fully implements development strategy to grow into a world-class energy group with global competitiveness, upholds the core values - steadiness, collaboration, empowerment and high quality.



**Shanghai Electric  
Group Company  
Limited**

Shanghai Electric Group Co., LTD. (Shanghai Electric) is a large integrated high-end equipment manufacturer, focusing on energy equipment, industrial equipment and integrated services, prioritizing smart energy, intelligent manufacturing and smart infrastructure to provide worldwide clients with green and intelligent industrial-grade system solutions.

Sustainability is one of key goals of Shanghai Electric. To support the national dual carbon strategy, Shanghai Electric fulfils its mission toward dual carbon targets, upholds the value of progressing while ensuring stability, innovation and high-quality development. Shanghai Electric provides green, environment-friendly, intelligent and interconnected integrated system solutions, with an aim to create an equal, diversified, safe and comfortable working environment and a clean, open, mutually beneficial and win-win industrial ecological system, and forge ahead with national rejuvenation by shouldering the responsibility as a leading energy equipment manufacturer.



**Daqin Railway  
Co., Ltd.**

Daqin Railway Co., Ltd. (Daqin Railway) is a regional diversified railway transport enterprise and bases its business on freight transport and passenger transport. Daqin Railway is listed on China's A-share market as China's first listed railway enterprise focusing on core trunk lines of road network. The coal shipment volume of Daqin Railway accounts for nearly a quarter of China's total coal railway shipment volume, and it boasts a key strategic position in the national energy transportation pattern, i.e. transporting coal from west to east and north to south. In 2021, Daqin Railway achieved a net profit of RMB 12.181 billion, ranking first among listed companies in China's railway transportation industry and Shanxi Province.

Daqin Railway shoulders its responsibility to build China into a transportation power led by railway, leverages the advantages of railway such as specialization, fundamentality, network and non-profit nature, to promote innovation and create social value. Firstly, Daqin Railway gives full play its backbone role in coal railway transportation, to secure national energy, serve the national economy and people's livelihood, and boost economic development. Secondly, Daqin Railway promotes low-carbon transformation, facilitates the shift from road to railway transport of bulk cargo and accelerates the development and application of new equipment, environment-friendly materials and technologies to become a pioneer practitioner to support dual carbon strategy. Thirdly, Daqin Railway has achieved remarkable results by upholding its non-profit nature in light of national strategy, improving the operation of the China-Europe Express, integrating itself into the all-region tourism framework of Shanxi, and helping the rural revitalization of old revolutionary base areas.



**SUMEC Corporation  
Limited**

SUMEC Corporation Limited (SUMEC), emerged from the process of reform and opening up and economic integration, adhering to the concept of high-quality sustainable development, innovation, breakthrough, and long-term stability, and striving to “build a digitally driven international industrial chain and supply chain, and a dual circulation benchmark with both domestic and international promotion”.

As a listed company held by a state-owned key enterprise, SUMEC focuses on the top priorities of the country and commit itself to building a green supply chain, helping enterprises introduce more advanced and energy-saving green equipment, effectively promoting energy efficiency and green sustainable development, and improving of the regional ecological environment. SUMEC actively implements the concept of “lucid waters and lush mountains are invaluable assets”, through the R&D and innovation of raw materials and production process. We develop “waterless dyeing” technology and products to further green and high-quality development at the end of the industrial chain. SUMEC actively implements the “double carbon” development strategy, accelerates the construction of green projects in ecological protection and clean energy, and contributes to the construction of “Beautiful China”.



**Anhui Conch Cement  
Co., Ltd.**

Anhui Conch Cement Co., Ltd. was established on September 1, 1997 and listed on the market in Hong Kong on October in the same year, and listed on A-share in February 2002. The company is mainly engaged in the production and sales of cement, clinker, aggregates and commercial concrete. It is renowned for its outstanding product quality, which is used in world-renowned landmark projects such as Beijing-Shanghai high-speed railway, Shanghai Maglev train track and Burj Khalifa in Dubai, and is the largest single cement brand supplier in the world.

In terms of corporate governance, since its listing, the company has continuously improved its corporate governance structure, improved its internal management system and standardized its operations in accordance with relevant domestic and overseas listing rules and regulatory requirements. In terms of green and low-carbon, the company insists on taking the path of win-win situation between ecological civilization and enterprise development, incorporates energy conservation, emission reduction and environmental protection into the medium and long-term development strategy of the company, always carries out ecological and environmental protection from the beginning of plant construction to every link of production and operation, insists on ecological priority, relentlessly pursues the development of circular economy, and promotes the green transformation of traditional enterprises. In terms of employee employment, the company adheres to the principle of equal employment, prohibits employment discrimination, and has built a diversified workforce. In terms of social responsibility, Conch Cement adheres to the business tenet of “excellent quality and excellent service” and the business philosophy of “creating a living space for human beings”, and always insists on building a harmonious community, actively practices the social responsibility of big companies and realizes the social value of enterprises through multiple ways such as targeted poverty alleviation, participation in public welfare as well as community service, supporting the disaster-stricken areas and assisting the epidemic prevention and control. In September 2022, the company’s MSCI rating has reached BB level.



**Geely Automobile  
Holdings Limited**

Geely Automobile Holdings Limited (“Geely Auto”) and its subsidiaries are automobile manufacturers that specialize in R&D, manufacturing and sale of passenger cars. The business comprises its automobile brands: Geely Auto, Geometry, Lynk&Co, Zeekr and Livan. Geely

Auto continues to create sustainable products, drive a sustainable value chain, maintain sustainable business operations and contribute to a sustainable community ecology. Geely Auto has set the goals of reducing carbon emissions by more than 25% of the entire life cycle of a single vehicle by 2025 and achieving carbon neutrality by 2045, with 2020 as the base year. Meanwhile, Geely Auto is the first Chinese passenger car company to commit to the Science-Based Carbon Target Initiative (SBTI). Currently, Geely Auto has been selected as a constituent stock of the Hang Seng ESG50 Index, the Hang Seng Sustainability Benchmark Index and the FTSE Social Responsibility Index Series.



大禹节水集团股份有限公司  
DAYU IRRIGATION GROUP Co., Ltd.

## DAYU Irrigation Group Co., Ltd

DAYU Irrigation Group (“DAYU Irrigation”) is committed to solving the problems of Chinese agriculture, rural areas and water resources, adhering to the mission of “making agriculture smarter, making rural areas better, and making farmers happier”, comprehensively covering “high-efficiency water saving in agriculture, rural sewage treatment, safe drinking water for farmers”, providing government and rural areas with comprehensive solutions for the integration of the “three networks” of water network, information network, and service network.

DAYU Irrigation focuses on the agricultural and water conservancy sectors in China, with technological and model innovation as the inexhaustible driving force, carbon reduction to help new agricultural infrastructure, and water conservation to create ecological added value. The company’s approach is to “build mechanisms first, then build projects”, effectively solving the challenges of sustainable agricultural and water infrastructure development and creating a “water network” system, a digital “information network” and a comprehensive “service network”. DAYU Irrigation is the only GEM member of the ESG Committee of the China Association for Public Companies, and it has been selected as a best practice case for rural revitalization of listed companies and an excellent ESG practice case, and its Yuanmou project has been repeatedly recommended by the Ministry of Finance of China for sharing at meetings of the United Nations, G20 and other international organizations or included in case sets.



## ENN Natural Gas Co., Ltd.

As one of the largest private energy companies in China, ENN Natural Gas Co., Ltd. (ENN NG) operates over 250 city gas projects nationwide, has annual LNG distribution capacity over 10 bcm, runs the first large-scale private LNG terminal in China -- Zhoushan LNG Terminal. Its business layout covers the entire natural gas value chain, including distribution, trading, storage and transportation, production and engineering.

ENN NG adheres to the philosophy of sustainable development, incorporates ESG strategy into the company’s operation decisions, improves the company’s management system, and promotes the company’s sustainable development. The company has taken the initiative to fulfill its low-carbon emission reduction obligations, actively employed hydrogen and other low-carbon energy technologies, and committed to achieving peak carbon by 2030 and carbon neutrality by 2050 to help the country achieve its “double carbon” goal. ENN NG shares were included in the Hang Seng A-share Sustainable Enterprise Index, ranking among the top 30 A-share ESG performers. ENN Energy, a subsidiary of ENN NG, received the MSCI ESG rating of AA, the highest rating for gas industry companies in Greater China, for the fourth consecutive year.



Jinko Solar Co., Ltd.

Jinko Solar Co., Ltd. (the "Company", or "Jinko Solar") is one of the most famous and innovative solar technology companies in the world. It covers the core links of the photovoltaic industry chain, focusing on the R&D of integrated photovoltaic products and integrated clean energy solutions. At present, Jinko Solar's products serve more than 3,000 customers in more than 160 countries and regions around the world, and the company has ranked No.1 in global module shipments from 2016 to 2019. By the end of March 2022, the cumulative module shipments of Jinko Solar have exceeded 100GW. This is the first module shipments in the industry to achieve the 100GW milestone, which means that at least 1 out of every 10 solar modules installed worldwide is produced by Jinko Solar. This also shows that it can produce about 130 billion kWh of clean energy electricity, reduce carbon dioxide emissions by about 130 million tons, and save about 52.52 million tons of standard coal per year, which is equivalent to planting approximately 7.02 billion trees.

Jinko Solar has been actively responding to international initiatives on climate change and has long been committed to reducing greenhouse gas emissions. As a member of the Renewable Energy Initiative's RE100, Jinko Solar has been increasing the proportion of renewable energy used in its plants and operations worldwide. Currently, Jinko Solar has three plants in Leshan, in Sichuan, Chuxiong, in Yunnan and Penang in Malaysia that use 100% renewable energy. In addition, Jinko Solar joined the Science-Based Carbon Targets Initiative (SBTi) at the end of 2021, committing to set scientific emission reduction goals to achieve "2050 net zero emissions", joined the United Nations Global Compact in 2021, and joined the Climate Ambition Business Accelerator (CAA) program in 2022. Jinko Solar continues to support the Sustainable Development Goals and the 10 principles of the United Nations Global Compact. Jinko Solar has systematically set long-term ESG strategic direction on a global basis and established an ESG Committee, with the highest level joining the ESG Decision Center, to work with the heads of different areas of the company to echo the UN Global Compact's sustainability goals. The ESG Committee has identified carbon emission reduction and climate change response as one of its top priorities in terms of sustainable development.



Café de Coral  
Holdings Limited

Café de Coral Holdings Limited was incorporated in 1968 and listed on the Hong Kong Stock Exchange in 1986. Its businesses include quick service restaurants, casual dining chains, institutional catering and food processing. The Group established its position as a market leader in the fast food industry in Hong Kong. The Group opened its first Mainland outlet in Shenzhen in 1992 and it now operates over 470 dining outlets - as well as 4 ISO-certified food processing plants - in Hong Kong and Mainland China.

The Group adheres to the sustainable development strategies of "catering to customers", "empowering our employees", "focusing on food" and "preserving the planet". For the eighth consecutive year, the Group was selected as a constituent stock of the Hang Seng Corporate Sustainability Benchmark Index with an "AA" rating, making it the only Hong Kong restaurant company selected for the index. The Group also received an "A" rating in the MSCI ESG Rating, ranking in the top 10% of the companies in the same industry evaluated globally. Over the years, the Group has been awarded the "China Fast Food Excellence Brand" and "China's Top 100 Restaurants" by the China Cuisine Association and hopes to become the most trusted fast casual dining brand in China.

## ■ EY Sustainability Excellence Awards 2022 - Individual

(listed in no particular order)



**Dr. Ma Jun**

President, Institute of  
Finance and Sustainability

Dr. MA Jun is currently the director of the Green Finance Committee (GFD), the president of the Institute of Finance and Sustainability, the Co-chair of the G20 Sustainable Finance Working Group. He has worked as the member of Monetary Policy Committee at the People's Bank of China and the Chief Economist at the People's Bank of China. During his tenure as Chief Economist of the Research Bureau of the People's Bank of China, he took the lead in drafting the "Guidance on Building a Green Financial System" of seven ministries and commissions and the first edition of China's green bond catalog; from 2021 to 2022, he represented China as co-chair of the G20 Sustainable Finance Working Group and organized the drafting of the *G20 Sustainable Finance Roadmap*, the *G20 Transformative Finance Framework* and other documents, promoting the formation of a number of international consensus with the G20 platform. In 2022, as the Co-chair of the IPSF Sustainable Finance Catalogue Working Group, he organized the preparation of the Common Catalogue of Sustainable Finance, which formed the first sustainable green finance classification guidelines jointly recognized by China and Europe.



**Mr. Fu Jianguo**

Deputy General Manager,  
Baoshan Iron &  
Steel Company Limited,  
Senior Engineer

Mr. Fu Jianguo joined Baoshan Iron & Steel Co., Ltd. ("Baosteel") in 1990, and he is currently the Deputy GM in charge of production and ESG. Mr. Fu has a unique perspective on the sustainable development of the steel industry. He believes that sustainable development should not be at the expense of development, but to achieve the harmonization of sustainable economy, sustainable ecology and sustainable society, and ultimately to achieve comprehensive development.

By promoting the overall design and construction of ESG governance structure of Baosteel, Mr. Fu has played an extensive leading role in the industry. Through implementing energy-saving and consumption reduction measures, and vigorously promoting the application of low-carbon metallurgy and the special work of circular economy, he has achieved considerable energy saving and emissions reduction, reaching the goal of "no solid waste leaving the factory" and zero waste water discharge. Moreover, he has turned the practice into experience and organized the compilation of the first climate action report of Chinese steel enterprises. The report laid the foundation for Baosteel's leading role in the ESG field. Under his leadership, Baosteel has won many awards. For example, it was ranked first in Chinese steel enterprises in the CDP questionnaire survey in 2021. Baosteel also moved up from the seventh place in 2021 to the fourth place in 2022 in the "ESG-Pioneer 50 Index of Stated-owned Key Enterprises", topped the rank in the industry. Baosteel is one of the two "outstanding" companies with the best performance in the "China's Top 100 Listed Companies with Dual Carbon Leadership" in 2022, jointly compiled by Caijing Magazine and CCT Carbon Investment.



**Mr. Xue Keqing**

Board Secretary, China State  
Construction Engineering  
Corporation

Mr. Xue Keqing is currently the Board Secretary of China State Construction Engineering Corporation, and holds the positions of Council Member of the China Tax Institute, Deputy Director of the Third Board Secretaries Committee of the China Listed Companies Association, and Deputy Director of the First ESG Professional Committee of the China Listed Companies Association. He is also a senior accountant and certified public accountant. Mr. Xue led China State Construction to win the 2020 and 2021 Evergreen Award - Sustainable Development Contribution Award, Forbes ESG50, Overseas Exemplary Enterprise Award, Special Contribution Award of People's Corporate Social Responsibility Award, ESG Pioneer 50 Index of State-owned Key Enterprises, and 2017 A-share listed companies social value "SV 99". He has also led the company to maintain its position in the top 10 of the Top 100 Listed Companies Forum in the past five years, and win the best ESG practice case of China Listed Companies Association in 2022. Mr. Xue was awarded many accolades, including "CBT100 20th Anniversary Excellent Secretary of Board Award", "China Top 100 Companies Excellent Secretary of Board Award", "Secretary of Board Award", "Best Secretary of Board Award" and "Most Innovative Secretary of Board".





## ■ EY Sustainability Excellence Awards 2022 - Best Practice/Case: Financial enablement and empowerment

(listed in no particular order)



**Bank of China  
Limited  
- Supports  
biodiversity  
conservation and  
green goals for  
the Beijing Winter  
Olympics**

This project is the only winter Olympic planning project in the Yanqing District of the Beijing Winter Olympic Games to be financed on a market basis. In March 2019, Bank of China Limited ("Bank of China"), as the lead bank and agent bank of the project syndicate, organized a green syndicated loan of RMB 2.578 billion to support the construction of Yanqing Winter Olympic Village, Mountain Press Center and supporting infrastructure, which is to facilitate the construction of green buildings and the restoration of comprehensive ecological protection in this race area.

In accordance with the principle of "avoidance", the first of the four basic principles of biodiversity protection, the project has designed several measures for the protected plants that cannot be avoided, such as proximity to their habitats and long-distance relocation protection. During the construction and of the project, 11,027 rare plants were transplanted from near the race area, 24,000 trees were relocated and protected, and a special relocation protection area was built.

During the construction and protection of the project, millions of square meters of ecological restoration was completed, and the topsoil stripped during the construction process was recycled "by hand" and reused along with the ecological restoration work to protect the surrounding natural environment to the greatest extent. In addition, the project established animal protection corridors and built habitats for small animals, making Yanqing a truly ecological race area. During the Winter Olympic Games, leopard cats, a Grade II protected animal, appeared in the Yanqing area several times.

To protect the surface ecology, the project has built underground corridors to minimize the impact of artificial construction on the surface. Ice and snow sports require a large amount of water to make snow, which the park conveys by using pumping stations and by means of a step-by-step lift. Two water storage ponds and dams are built on the southern slope of Xiaohaituo Mountain, at 900 and 1050 meters above sea level, to realize the collection of natural precipitation in the race area and the efficient use of water resources.



ICBC

**中国工商银行**

**Industrial and  
Commercial Bank  
of China Limited  
- Green Finance  
Practice**

In the course of its business development, Industrial and Commercial Bank of China Limited ("ICBC") has always insisted on the unification of economic and social responsibilities and has focused on the development of green finance and support for the construction of ecological civilization, fully reflecting and comprehensively promoting the construction of green financial system in its strategic development plan. The strategic goal of green finance is "to build a leading international green bank and become a green bank with a good international reputation", and the business objective is "to promote the development of the real economy with green finance".

We take care of lucid water and lush mountains and help green low-carbon transformation. ICBC has formulated and issued the "Green Guide for Investment and Financing", which, in addition to the general requirements generally applicable to various industries, has formulated industry-specific green guides for ten major industries in China, such as thermal power and coal, to further refine the relevant requirements. By the end of June 2022, the bank's green loan balance was nearly RMB 3.5 trillion, continuing to lead the industry; it underwrote 32 green bonds of various types and issued carbon neutral green financial bonds of RMB 10 billion for the first time in the domestic market. The proportion of loans in the "High pollution and high energy consumption" industries continued to decline, and the bank's loans for wind power and photovoltaic power generation accounted for 36.5% of the total loans in the power industry, helping to continuously optimize the power structure. The bank has built and put into operation its self-developed carbon footprint management data and statistics system, realizing digital information filling, standardized approval and automated summary, laying a solid foundation for low-carbon operation.



**Postal Savings Bank  
of China Company  
Limited  
- Innovative  
Layout of Personal  
Carbon Accounts  
and Technology  
Empowers the  
Development of  
Carbon Inclusion**

Postal Savings Bank of China Co., LTD. ("PSBC") promotes the development of green finance with technological innovation, launches a platform of personal carbon account "C Post". It aims to record the carbon reduction actions of users, establish a carbon energy accounting system and an equity system, make every green behavior of users valuable, boost the green and low carbon transformation of social life, and support local ecological construction.

Carbon accounts can effectively reduce an individual's greenhouse gas emissions and resource consumption by guiding them to opt for low-carbon travel and paperless trading. For example, each active user can reduce carbon emissions by 65.7kg per year by reducing paper consumption and the emission reductions by each five active users can save a big tree. Additionally, the concept of "credit village, digital village and industrial village" can nourish the village ecosystem with green characteristics. The carbon sequestration accounting mechanism for rural crops will encourage farmers to plant sustainably and redeem agricultural products as carbon credit entitlements, which will increase their incomes and help rural revitalization. For enterprises, applying personal carbon accounts can help employees adopt green habits, integrate ESG into corporate culture and improve operational performance.



## ■ EY Sustainability Excellence Awards 2022 - Best Practice/Case: Technology innovation and advancement

(listed in no particular order)



### Baoshan Iron & Steel Company Limited - "Double carbon" strategy

As the leading force of the iron and steel sector, Baoshan Iron and Steel Co., Ltd. ("Baosteel") actively responds to the national strategy of "3060 Decarbonization", sets the goal of "reaching the carbon emission peak by 2023 and becoming carbon neutral by 2050". Baosteel has drawn up the strategic implementation plan of "adopting technological and product innovation to build a green steel and iron ecosystem" and has already achieved excellent results. The "Dual Carbon" strategy has been fully brought into reality.

The outstanding milestones achieved by Baosteel in the implementation of the "Dual Carbon" strategy include the following: pursuing the ultimate energy efficiency and making full use of green energy by establishing a library of the best commercial energy-saving and low-carbon technologies, recycling steel scrap and using low-carbon green electricity; by using the world's leading hydrogen-rich carbon cycle blast furnace technology, building hydrogen-based shaft furnaces and supporting electric furnaces and other initiatives to practice low-carbon metallurgical technology innovation; by developing the ultra-high-strength steel, oriented silicon steel, non-oriented silicon steel and new ultra-low carbon products to achieve product innovation and drive the energy-saving and carbon emission reduction of the downstream energy industry, motor industry and automobile industry; by building a carbon management system, carbon footprint quantification and assessment, and high-performance low-carbon products to build a low-carbon supply chain.

Through these efforts, Baosteel's dual carbon strategy has been implemented successfully and has won honors in the field of ESG, such as ranking among the top 10% of the global industry in the S&P Global Ratings - ESG Evaluation, and climbing from the seventh place in "ESG · Pioneer 50 Index of Central State-owned Enterprises" in 2021 to the fourth place in 2022. It is ranked first in the domestic industry in both years. Baosteel is also named as one of the two "companies with the best performance" in the "China's Top 100 Listed Companies with Dual Carbon Leadership" in 2022 jointly compiled by Caijing magazine and Sinocarbon.



### SAIC-GM-Wuling Automobile Company Limited - Low carbon lifestyle brought by Wuling new energy vehicles

SAIC GM Wuling Automobile Co., Ltd. ("SGMW") focuses on the pain points of consumers' travel experience and creates a business model that does not rely on state subsidies. For the customer end, the vehicle owner's carbon footprint is measured by mileage and charging pile. For the business end, it builds a digital carbon management platform that includes the carbon emissions of factories, supply chains and stores into the scope of disclosure, and promotes the "zero carbon" ecological construction.

The ESG practice of SGMW include: at the product level, the new energy products of SGMW have a total mileage of 8.6 billion km, which has saved 710 million litres of fuel and reduced carbon emissions by 106.7 tons; at the environmental level, in conjunction with the Liuzhou Municipal Government, SGMW promotes small appropriated berths to save an land area of 127000 square meters. Amid the energy transformation, by enabling megawatt photovoltaic and wind energy integrated cascade power stations, SGMW has accumulated more than 196000 degrees of charge and discharge, and saved more than 6.4 million yuan of energy costs; for the automobile owners, a variety of digital rights and incentives for low-carbon traveling are provided in the owner's Ling Club app, so that users can clearly perceive the carbon footprint. From an ecological perspective, SGMW builds a digital carbon management platform and zero-carbon stores to manage their own carbon emissions, and to use their own influence to drive the industrial chain to reduce carbon and create a zero-carbon ecology.



**Zhejiang Hailiang  
Co., Ltd.  
- Low Carbon  
Intelligent  
Manufacturing  
Technology and  
Equipment Research  
for Precision Copper  
Tubes**

This project is an intelligent production line of Zhejiang Hailiang Co., Ltd. ("Hailiang") with independent intellectual property rights, which has completely changed the current situation that domestic copper processing enterprises are largely influenced by the imports of foreign complete sets of equipment. The products have been exported to the famous copper processing enterprises in Europe. This project was rated as "international leading level" by China Non-Ferrous Metals Industry Association. It has remarkable energy saving and carbon reduction effect and possesses a high level of intelligent operation and management, which provides a practical case for realizing the high-quality development of the copper tube industry.

In terms of low carbon emissions, this project can increase the product yield from 89% to 93%, reduce the comprehensive energy consumption per unit product by 30%, increase labor efficiency by 300%, and reduce the comprehensive cost by 38%, so it has a significant effect of energy saving and carbon reduction. In the aspect of ecological environment: it reduces the land area of production line, saves land resources, and reduces the land area of annual capacity from 0.896 m<sup>2</sup> per ton to 0.381m<sup>2</sup> per ton. In respect of social responsibility, as a result of deploying the technology, labor efficiency has been increased by three times, and the labor intensity of grass-roots employees has also been mitigated. This technology creatively integrates the new mode of full-process intelligent manufacturing, plays an important role in promoting the technological progress of the copper tube industry and improving the market competitiveness of copper pipe products, and enhances the influence of China's copper processing enterprises in the international market. It has also been a vital factor to drive the "Belt and Road Initiative".



**Trina Solar Company  
Limited  
- 21MW 600W+  
Distributed  
Photovoltaic Zero-  
carbon Plant Project  
in Huzhou, Zhejiang**

The project uses the high-efficiency photovoltaic module with the mainstream mono-crystalline PERC in the market, which is the largest mass-produced 600W module based on the "210 technology platform". In terms of technology, the industry's most advanced 210 silicon wafers, half-wafers, multi-main gates, lossless cutting and other new technologies are adopted, which have advantages in quantity, efficiency, quality, cost and performance, and effectively reduce the cost of the power station and improve the revenue of the power station.

The project adopts green energy-solar power, and takes on advanced and feasible measures to save electricity, water and raw materials. The use of energy and resources is reasonably planned, and the guiding ideology of energy saving and environmental protection is strictly presented in the project design. Energy-saving requirements are fully considered in the technical scheme, equipment and material selection, building structure and other aspects, and the energy-saving indicators of the project meet the requirements of the relevant national regulations. The distributed power plant has an installed capacity of 20.3MW, and the first year's power generation is expected to reach 22.19 million kilowatt-hours, which is equivalent to reducing the use of 6770 tons of standard coal, diminishing carbon dioxide emissions by about 18500 tons, decreasing sulfur dioxide emissions by about 3.5 tons, and lessening nitrogen oxide emissions by about 3.9 tons. Within 25 years of operation, the photovoltaic power station system is expected to generate 518 million kilowatt-hours of electricity and reduce carbon emissions by about 430000 tons.

## ■ EY Sustainability Excellence Awards 2022 - Best Practice/Case: Leading social initiative

(listed in no particular order)



中國建築

**China State  
Construction  
Engineering  
Corporation**  
- “Green Stream  
Initiative ” Action  
Plan for Developing  
Green Carbon  
Supply Chain

Zhonghai Real Estate, a subsidiary of China Construction Group and the core unit of the project, aims to drive the green and low-carbon construction of the supply chain lifecycle which is jointly carried out by the majority of upstream and downstream units. The project mainly includes green design, green production, green procurement, green utility and so on, pursues environmental protection and resource conservation in the supply chain. Its purpose is to spread knowledge, study and interpret the concept of green and low carbon for the supply chain and upstream and downstream enterprises, and set an example to drive suppliers to carry out green design, green production and green manufacturing, so as to realize the green and low-carbon process of the supply chain. The project reduces carbon emissions and environmental pollution, promotes excellent enterprises, guides less advanced enterprises, and pose a good industry influence. A total of 161 units participated in the project, and 74 units achieved results in the construction of the green carbon supply chain, accounting for 46%. The project will build the regular management of the green carbon supply chain, including the key nodes of bidding review, the core indicators of supplier evaluation.



**Alibaba Group  
Holding Ltd.**  
- Carbon88 to  
promote sustainable  
living

In December 2021, Alibaba Group Holding Co., Ltd. (“Alibaba”) released the goal of carbon neutralization and put forward the concept of “Scope 3 +”. In order to implement the “Scope 3 +” goal of driving ecological carbon reduction by 1.5 billion tons in 15 years, Alibaba launched the “88 Carbon Account” system in 2022, covering Taobao, ele.me, Xianyu, Gaode, Cainiao and other platforms. By July 2022, more than 20 million individual users had actively participated in carbon reduction in their daily life, established low-carbon life awareness and practiced a green lifestyle.

“88 Carbon Account” leads the transformation of consumers’ green lifestyle with the model of “1+n”. At present, it has brought together five types of carbon reduction scenarios, such as low-carbon consumption, low-carbon travel, low-carbon catering, idle utilization and recycling, to help users have a “low-carbon day” in their lives.

As of June 30, 430000 household appliances with the properties of energy saving and carbon reduction have been launched by Alibaba, driving 13 million people to reduce the use of disposable tableware when ordering takeout, and the “Returning Plan” of express cartons at Cainiao Post Station has covered 315 cities across the country.

In the future, “88 Carbon Accounts” will continue to encourage users to participate in carbon reduction actions by creating more carbon reduction scenarios, and at the same time participate in the construction of individual carbon inclusion mechanisms to build a sustainable low-carbon development of business and consumer ecosystem.



**Tencent Holdings  
Limited**  
- Carbon Neutrality  
Roadmap and  
Practice

In January 2021, Tencent Holdings Limited (“Tencent”) announced it would start making its carbon neutrality plan. A year later, in February 2022, Tencent released the company’s inaugural Tencent Carbon Neutrality Target and Roadmap Report. Tencent promised to achieve carbon neutrality in its own operations and across its supply chain by no later than 2030, and it also committed to using green power for 100% of all electricity consumed by the end of the decade.

In terms of its own sustainable development, Tencent has become one of the first market players to participate in green power transactions organized by the state, and has signed a 504 million-degree green power trading contract. It also promotes the landing of several projects through self-built roof photovoltaic, building energy conservation, employee emission reduction and other measures. In order to support the low-carbon social transformation, Tencent will focus on empowering three key factors: promoting the low-carbon awareness of customers, helping businesses manage emissions reduction by offering digital solutions and driving the sustainable value innovation of society. Tencent has launched a number of software and programs to promote consumer carbon reduction, join hands with the government to promote carbon reduction in people’s daily life, help industries to reduce carbon emissions, and participate in the innovation and promotion of low-carbon technologies.



**GDS Holdings Ltd  
- Carbon neutrality  
strategy planning**

GDS Holdings Ltd (“GDS”) is the first company in China’s data center and Internet industry to commit to achieving carbon neutrality and 100% renewable energy use by 2030. GDS’s vision is a green and intelligent infrastructure platform that connects to a sustainable future. GDS has conducted a systematic analysis of the current status of renewable energy in China and its future development. Based on this analysis and combined with its business development status, GDS has developed a complete renewable energy utilization plan including DPP, renewable energy certificates, onsite PV, hydrogen energy and other new technology applications, to comprehensively address the issue of renewable energy access to data centers. GDS is also expanding its carbon emission management from the operation stage to include the design and construction stages, covering the complete data center life cycle.



**Jinyu Biotechnology  
Company Limited  
- Corporate  
responsibility of  
controlling zoonotic  
disease**

By developing a variety of vaccine products that match the prevalent strains in China, Jinyu Bio-technology Co Ltd (“Jinyu Bio-technology”) greatly reduces the national pandemic prevention and control expenses and the economic losses of herdsman due to brucellosis; through the construction of intelligent fully isolated production workshops and biosafety level 3 laboratories, the risk of biosafety environment caused by virus leakage is eliminated, and the risk of occupational disease hazards of employees is also greatly decreased, so as to “developing the animal husbandry with technology” guarantees the high-quality development of China’s animal husbandry industry. The company has invested 50 million RMB in R&D and applied different technical routes such as DNA recombination to develop a variety of vaccine products matching the popular strains in China; at the same time, the company has introduced the OIE standard strain Rev.1 for the first time in China and adopted the conjunctival inoculation method instead of the traditional oral or drinking water immunization in China, which greatly cuts the area of virus exposure for vaccination personnel and effectively reduces the chance of virus infection. By investing 100 million RMB to build an intelligent and fully isolated production workshop for brucellosis production and 300 million RMB to build a biosafety level 3 laboratory, the risk of biosafety environment caused by virus leakage is eliminated, and the risk of occupational disease hazards for employees is also greatly reduced.

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## ■ Supporting organizations

Guiding organizations:



Supporting organizations:



**长三角资本市场服务基地**  
YANGTZE RIVER DELTA CAPITAL MARKET SERVICE BASE



Hong Kong General Chamber of Commerce  
香港總商會 1861



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